

A review of the source, behaviour and distribution of ar

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 4 | Arsenic and other heavy metals in the rivers of central Nepal. Journal of Nepal Geological Society, 0, 31, 11-18. | 0.2 | 5 |
| 6 | PUBLIC HEALTH: Enhanced: Worldwide Occurrences of Arsenic in Ground Water. Science, 2002, 296, 2143-2145. | 6.0 | 1,405 |
| 8 | Arsenic contamination in groundwater: some analytical considerations. Talanta, 2002, 58, 165-180. | 2.9 | 151 |
| 9 | 7. Quantitative Speciation of Heavy Metals in Soils and Sediments by Synchrotron X-ray Techniques. , 2002, , 341-428. | | 103 |
| 10 | Overview of human health and chemical mixtures: problems facing developing countries.. Environmental Health Perspectives, 2002, 110, 901-909. | 2.8 | 53 |
| 11 | Pumping out the arsenic. Nature Biotechnology, 2002, 20, 1094-1095. | 9.4 | 46 |
| 12 | Redox Patterns and Trace-Element Behavior in the East Midlands Triassic Sandstone Aquifer, U.K.. Ground Water, 2002, 40, 44-58. | 0.7 | 118 |
| 13 | Quantitative Speciation of Heavy Metals in Soils and Sediments by Synchrotron X-ray Techniques. Reviews in Mineralogy and Geochemistry, 2002, 49, 341-428. | 2.2 | 264 |
| 14 | Arsenic Mobility and Groundwater Extraction in Bangladesh. Science, 2002, 298, 1602-1606. | 6.0 | 1,063 |
| 15 | Biogeochemical transformations of arsenic in circumneutral freshwater sediments. Biodegradation, 2003, 14, 123-137. | 1.5 | 44 |
| 16 | Sorption of As(V) Species from Aqueous Systems. Water, Air, and Soil Pollution, 2003, 149, 251-267. | 1.1 | 57 |
| 17 | High arsenic groundwater: mobilization, metabolism and mitigation--an overview in the Bengal Delta Plain. Molecular and Cellular Biochemistry, 2003, 253, 347-355. | 1.4 | 89 |
| 18 | Distribution of arsenic and other minor trace elements in the groundwater of Ischia Island (southern Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.2 | 5 |
| 19 | The origin of brines and salts in Chilean salars: a hydrochemical review. Earth-Science Reviews, 2003, 63, 249-293. | 4.0 | 263 |
| 20 | Drinking water quality in the Ethiopian section of the East African Rift Valley lâ€”data and health aspects. Science of the Total Environment, 2003, 311, 65-80. | 3.9 | 207 |
| 21 | Arsenic pollution in groundwater: a self-organizing complex geochemical process in the deltaic sedimentary environment, Bangladesh. Science of the Total Environment, 2003, 313, 213-226. | 3.9 | 93 |
| 22 | Environmental geochemistry of the Guanajuato Mining District, Mexico. Ore Geology Reviews, 2003, 23, 277-297. | 1.1 | 41 |
| 23 | Investigations into the Distribution of Element Concentrations in a Recent Dam and their Seasonal and Hydrographical Correlation (Bitterfelder Muldestausee, Saxony-Anhalt). Clean - Soil, Air, Water, 2003, 31, 378-390. | 0.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 24 | Arsenic "a Review. Part I: Occurrence, Toxicity, Speciation, Mobility. Clean - Soil, Air, Water, 2003, 31, 9-18. | 0.8 | 733 |
| 25 | Adsorption of arsenate from water using neutralized red mud. Journal of Colloid and Interface Science, 2003, 264, 327-334. | 5.0 | 168 |
| 26 | Uptake of elements from seawater by ferromanganese crusts: solid-phase associations and seawater speciation. Marine Geology, 2003, 198, 331-351. | 0.9 | 376 |
| 27 | Speciation of arsenic in sulfidic waters. Geochemical Transactions, 2003, 4, 1. | 1.8 | 200 |
| 28 | Comparison of Arsenic(V) and Arsenic(III) Sorption onto Iron Oxide Minerals: Implications for Arsenic Mobility. Environmental Science & Technology, 2003, 37, 4182-4189. | 4.6 | 1,962 |
| 29 | Arsenic in Australian Environment: An Overview. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 223-239. | 0.9 | 70 |
| 30 | Arsenic in Groundwater in Eastern New England: Occurrence, Controls, and Human Health Implications. Environmental Science & Technology, 2003, 37, 2075-2083. | 4.6 | 219 |
| 31 | XAS Speciation of Arsenic in a Hyper-Accumulating Fern. Environmental Science & Technology, 2003, 37, 754-760. | 4.6 | 168 |
| 32 | Arsenic and Selenium. , 2003, , 17-66. | | 62 |
| 33 | The Geochemistry of Acid Mine Drainage. , 2003, , 149-204. | | 200 |
| 34 | Water and sediment quality assessment of the Axios River and its coastal environment. Continental Shelf Research, 2003, 23, 1929-1944. | 0.9 | 64 |
| 35 | The behaviour of arsenic in muddy sediments of the Bay of Biscay (France). Geochimica Et Cosmochimica Acta, 2003, 67, 2993-3003. | 1.6 | 95 |
| 36 | Environmental arsenopyrite stability and dissolution: theory, experiment, and field observations. Chemical Geology, 2003, 199, 71-82. | 1.4 | 151 |
| 37 | Arsenite oxidation and arsenate determination by the molybdene blue method. Talanta, 2003, 61, 267-276. | 2.9 | 233 |
| 38 | Arsenic species contents at aquaculture farm and in farmed mouthbreeder (Oreochromis Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 Td (1491-1500. | 1.8 | 90 |
| 39 | Particulate and dissolved elemental loads in the Kuji River related to discharge rate. Environment International, 2003, 28, 649-658. | 4.8 | 36 |
| 40 | Arsenic in soils and waters and its relation to geology and mining activities (Salamanca Province,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 Td (1491-1500. | 1.5 | 83 |
| 41 | Geochemical changes in mine tailings during a transition to pressure"oxidation process discharge, Macraes mine, New Zealand. Journal of Geochemical Exploration, 2003, 80, 81-94. | 1.5 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 42 | Trace Elements in River Waters. , 2003, , 225-272. | | 263 |
| 44 | The aquatic geochemistry of arsenic in volcanic groundwaters from southern Italy. Applied Geochemistry, 2003, 18, 1283-1296. | 1.4 | 101 |
| 45 | Geochemical controls on arsenic distribution in the Baccu Locci stream catchment (Sardinia, Italy) affected by past mining. Applied Geochemistry, 2003, 18, 1373-1386. | 1.4 | 45 |
| 46 | Arsenic enrichment in waters and sediments of the Rio Loa (Second Region, Chile). Applied Geochemistry, 2003, 18, 1399-1416. | 1.4 | 182 |
| 47 | Groundwater As mobilization in the Bengal Delta Plain, the use of ferralite as a possible remedial measure—a case study. Applied Geochemistry, 2003, 18, 1435-1451. | 1.4 | 76 |
| 48 | Mobilisation of arsenic and other trace elements in fluvio-lacustrine aquifers of the Huhhot Basin, Inner Mongolia. Applied Geochemistry, 2003, 18, 1453-1477. | 1.4 | 222 |
| 49 | Vertical distribution of As(III) and As(V) in a coastal sandy aquifer: factors controlling the concentration and speciation of arsenic in the Stuarts Point groundwater system, northern New South Wales, Australia. Applied Geochemistry, 2003, 18, 1479-1496. | 1.4 | 37 |
| 50 | The source and transport of arsenic in a bedrock aquifer, New Hampshire, USA. Applied Geochemistry, 2003, 18, 1773-1787. | 1.4 | 69 |
| 51 | Preliminary EXAFS studies of solid phase speciation of As in a West Bengali sediment. Mineralogical Magazine, 2003, 67, 1183-1191. | 0.6 | 30 |
| 52 | The Ecology of Arsenic. Science, 2003, 300, 939-944. | 6.0 | 1,336 |
| 53 | Solid-Solution Reactions in As(V) Sorption by Schwertmannite. Environmental Science & Technology, 2003, 37, 3581-3586. | 4.6 | 87 |
| 54 | Volcanic fronts form as a consequence of serpentinite dehydration in the forearc mantle wedge. Geology, 2003, 31, 525. | 2.0 | 212 |
| 55 | Preservation of sulfidic waters containing dissolved As(III). Journal of Environmental Monitoring, 2003, 5, 913. | 2.1 | 49 |
| 56 | Arsenic contamination of soils and sediments from tailings in the vicinity of Myungbong Au mine, Korea. Chemical Speciation and Bioavailability, 2003, 15, 67-74. | 2.0 | 29 |
| 57 | Nanoscale mineralogy of arsenic in a region of New Hampshire with elevated As-concentrations in the groundwater. American Mineralogist, 2003, 88, 1844-1852. | 0.9 | 31 |
| 58 | Determination of the As(III)/As(V) Ratio in Soil by X-ray Absorption Near-edge Structure (XANES) and Its Application to the Arsenic Distribution between Soil and Water. Analytical Sciences, 2003, 19, 891-896. | 0.8 | 45 |
| 59 | Some factors controlling arsenic concentrations of groundwater in the northern part of Osaka Prefecture. Journal of Groundwater Hydrology, 2003, 45, 3-18. | 0.1 | 6 |
| 60 | Removal of Arsenic from Groundwater using Crystalline Hydrous Ferric Oxide (CHFO). Water Quality Research Journal of Canada, 2003, 38, 193-210. | 1.2 | 67 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 61 | Arsenic sorption onto disordered mackinawite as a control on the mobility of arsenic in the ambient sulphidic environment. <i>European Physical Journal Special Topics</i> , 2003, 107, 1377-1380. | 0.2 | 5 |
| 62 | Arsenic removal by gypsum and calcite in lacustrine environments. <i>European Physical Journal Special Topics</i> , 2003, 107, 1153-156. | 0.2 | 8 |
| 63 | Arsênio na Água subterrânea em Ouro Preto e Mariana, Quadrilátero Ferrífero (MG). <i>Revista Escola De Minas</i> , 2004, 57, 45-51. | 0.1 | 35 |
| 64 | Crystalline hydrous titanium (IV) oxide (CHTO): An arsenic (III) scavenger from natural water. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2004, 53, 483-495. | 0.6 | 29 |
| 65 | Fractionation and Redox Speciation of Antimony in Agricultural Soils by Hydride Generation—Atomic Fluorescence Spectrometry and Stability of Sb(III) and Sb(V) During Extraction with Different Extractant Solutions. <i>Journal of AOAC INTERNATIONAL</i> , 2004, 87, 60-67. | 0.7 | 18 |
| 66 | Bacterial sulfate reduction limits natural arsenic contamination in groundwater. <i>Geology</i> , 2004, 32, 953. | 2.0 | 216 |
| 67 | The potential for arsenic mobilisation in the Caudal River catchment, north-west Spain. <i>Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science</i> , 2004, 113, 65-75. | 0.8 | 3 |
| 68 | Environmental impact from supergene alteration and exploitation of a high sulphidation epithermal type mineralisation (Kirki, NE Greece). <i>Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science</i> , 2004, 113, 110-116. | 0.8 | 4 |
| 69 | Geochemical controls on the environmental mobility of Sb and As at mesothermal antimony and gold deposits. <i>Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science</i> , 2004, 113, 3-10. | 0.8 | 50 |
| 70 | Toxic Metals in the Environment: Thermodynamic Considerations for Possible Immobilization Strategies for Pb, Cd, As, and Hg. <i>Critical Reviews in Environmental Science and Technology</i> , 2004, 34, 495-604. | 6.6 | 205 |
| 71 | Preparation and Some Properties of a Nanocomposite of Polyacrylonitrile with Acetylene Black. <i>Polymer Journal</i> , 2004, 36, 812-816. | 1.3 | 17 |
| 72 | Effects of Water Use on Arsenic Release to Well Water in a Confined Aquifer. <i>Ground Water</i> , 2004, 42, 568-575. | 0.7 | 33 |
| 73 | Role of metal-reducing bacteria in arsenic release from Bengal delta sediments. <i>Nature</i> , 2004, 430, 68-71. | 13.7 | 1,071 |
| 74 | Why large-scale climate indices seem to predict ecological processes better than local weather. <i>Nature</i> , 2004, 430, 71-75. | 13.7 | 464 |
| 75 | An arsenate tolerance gene on chromosome 6 of rice. <i>New Phytologist</i> , 2004, 163, 45-49. | 3.5 | 85 |
| 76 | Hydrochemical processes controlling arsenic and heavy metal contamination in the Elqui river system (Chile). <i>Science of the Total Environment</i> , 2004, 325, 193-207. | 3.9 | 31 |
| 77 | As(V) retention and As(III) simultaneous oxidation and removal on a MnO ₂ -loaded polystyrene resin. <i>Science of the Total Environment</i> , 2004, 326, 197-207. | 3.9 | 155 |
| 78 | Influence of <i>Typha latifolia</i> and fertilization on metal mobility in two different Pb—Zn mine tailings types. <i>Science of the Total Environment</i> , 2004, 333, 9-24. | 3.9 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 79 | Seasonal water quality variations in a river affected by acid mine drainage: the Odiel River (South) Tj ETQq0 0 0 rgBT JOverlock, 10 Tf 50 | 3.9 | 212 |
| 80 | dSED: a database tool for modeling sediment early diagenesis. <i>Computers and Geosciences</i> , 2004, 30, 959-967. | 2.0 | 18 |
| 81 | Arsenic and Heavy Metal Pollution of Soil, Water and Sediments in a Semi-Arid Climate Mining Area in Mexico. <i>Water, Air, and Soil Pollution</i> , 2004, 152, 129-152. | 1.1 | 320 |
| 82 | Arsenic Removal Technologies for Drinking Water Treatment. <i>Reviews in Environmental Science and Biotechnology</i> , 2004, 3, 43-53. | 3.9 | 106 |
| 83 | Dynamics of arsenic-containing compounds sorption on sediments. <i>Journal of Soils and Sediments</i> , 2004, 4, 95-100. | 1.5 | 6 |
| 84 | Adsorption and Desorption of Arsenate in Different Soils and Gold Mining Substrates of Minas Gerais State, Brazil. <i>Journal of Soils and Sediments</i> , 2004, 4, 163-169. | 1.5 | 4 |
| 85 | Soil and Sediment Geochemistry of the Iron Quadrangle, Brazil. <i>Journal of Soils and Sediments</i> , 2004, 4, 169-169. | 1.5 | 4 |
| 86 | Dynamic arsenic removal on a MnO ₂ -loaded resin. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 62-67. | 5.0 | 62 |
| 87 | Effect of pH on Arsenate and Arsenite Toxicity to Luminescent Bacteria (<i>Vibrio fischeri</i>). <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 46, 176-182. | 2.1 | 59 |
| 88 | Bioaccumulation of Arsenic in Marine Fish and Invertebrates from Alaska and California. <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 47, 223-33. | 2.1 | 47 |
| 89 | Contamination risk assessment of fresh groundwater using the distribution and chemical speciation of some potentially toxic elements in Calabar (southern Nigeria). <i>Environmental Geology</i> , 2004, 45, 1025-1035. | 1.2 | 14 |
| 90 | Nature and origin of arsenic carriers in shallow aquifer sediments of Bengal Delta, India. <i>Environmental Geology</i> , 2004, 45, 1071-1081. | 1.2 | 52 |
| 91 | Environmental geochemistry of Zarshuran Au-As deposit, NW Iran. <i>Environmental Geology</i> , 2004, 46, 796-807. | 1.2 | 44 |
| 92 | The influence of groundwater chemistry on arsenic concentrations and speciation in a quartz sand | 1.8 | 57 |
| 93 | Analysis and Speciation of Traces of Arsenic in Environmental, Food and Industrial Samples by Voltammetry: a Review. <i>Electroanalysis</i> , 2004, 16, 697-711. | 1.5 | 93 |
| 94 | Arsenic speciation and sorption kinetics in the As ⁵⁺ -hematite ⁺ -humic acid system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 234, 43-50. | 2.3 | 96 |
| 95 | Extraction and analysis of arsenic in soils and sediments. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 745-752. | 5.8 | 99 |
| 96 | Solar light induced removal of arsenic from contaminated groundwater: the interplay of solar energy and chemical variables. <i>Solar Energy</i> , 2004, 77, 601-613. | 2.9 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 97 | Determination of inorganic arsenic species by flow injection hydride generation atomic absorption spectrometry with variable sodium tetrahydroborate concentrations. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1041-1045. | 1.5 | 41 |
| 98 | Differential determination of trace amounts of arsenic(III) and arsenic(V) in seawater by solid sampling atomic absorption spectrometry after preconcentration by coprecipitation with a nickel- ϵ -pyrrolidine dithiocarbamate complex. <i>Analytica Chimica Acta</i> , 2004, 508, 99-105. | 2.6 | 96 |
| 99 | Differential pulse cathodic stripping voltammetric speciation of trace level inorganic arsenic compounds in natural water samples. <i>Analytica Chimica Acta</i> , 2004, 511, 55-61. | 2.6 | 66 |
| 100 | Blank values, adsorption, pre-concentration, and sample preservation for arsenic speciation of environmental water samples. <i>Analytica Chimica Acta</i> , 2004, 512, 1-10. | 2.6 | 22 |
| 101 | A rapid colorimetric method for measuring arsenic concentrations in groundwater. <i>Analytica Chimica Acta</i> , 2004, 526, 203-209. | 2.6 | 271 |
| 102 | Selective arsenic speciation analysis of human urine reference materials using gradient elution ion-exchange HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 973. | 1.6 | 47 |
| 103 | Arsenic biomonitoring using a hyperaccumulator fern (<i>Pteris vittata</i>). <i>Journal of Environmental Monitoring</i> , 2004, 6, 23. | 2.1 | 7 |
| 104 | The influence of sulfur and iron on dissolved arsenic concentrations in the shallow subsurface under changing redox conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13703-13708. | 3.3 | 406 |
| 105 | Dissimilatory Arsenate Reduction with Sulfide as Electron Donor: Experiments with Mono Lake Water and Isolation of Strain MLMS-1, a Chemoautotrophic Arsenate Respirer. <i>Applied and Environmental Microbiology</i> , 2004, 70, 2741-2747. | 1.4 | 155 |
| 106 | Interaction of Inorganic Arsenic with Biogenic Manganese Oxide Produced by a Mn-Oxidizing Fungus, Strain KR21-2. <i>Environmental Science & Technology</i> , 2004, 38, 6618-6624. | 4.6 | 110 |
| 107 | Coupling Speciation and Isotope Dilution Techniques To Study Arsenic Mobilization in the Environment. <i>Environmental Science & Technology</i> , 2004, 38, 1794-1798. | 4.6 | 58 |
| 108 | Arsenic Sequestration by Ferric Iron Plaque on Cattail Roots. <i>Environmental Science & Technology</i> , 2004, 38, 6074-6077. | 4.6 | 156 |
| 109 | Arsenic Occurrence, Mobility, and Retardation in Sandstone and Dolomite Formations of the Fox River Valley, Eastern Wisconsin. <i>Environmental Science & Technology</i> , 2004, 38, 5087-5094. | 4.6 | 27 |
| 110 | Arsenic Behavior in Paddy Fields during the Cycle of Flooded and Non-flooded Periods. <i>Environmental Science & Technology</i> , 2004, 38, 1038-1044. | 4.6 | 474 |
| 111 | Determination of inorganic arsenic species by flow injection hydride generation atomic absorption spectrometry with variable sodium tetrahydroborate concentrations ^{*1} . <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, . . | 1.5 | 0 |
| 112 | Kinetics of Bacterial As(III) Oxidation and Subsequent As(V) Removal by Sorption onto Biogenic Manganese Oxides during Groundwater Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 486-493. | 1.8 | 95 |
| 113 | Arsenic Removal with Iron(II) and Iron(III) in Waters with High Silicate and Phosphate Concentrations. <i>Environmental Science & Technology</i> , 2004, 38, 307-315. | 4.6 | 445 |
| 114 | Evaluation and standardisation of a simple HG-AAS method for rapid speciation of As(III) and As(V) in some contaminated groundwater samples of West Bengal, India. <i>Chemosphere</i> , 2004, 54, 1199-1206. | 4.2 | 57 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 115 | Macroscopic and vibration spectroscopic evidence for specific bonding of arsenate on gibbsite. <i>Chemosphere</i> , 2004, 55, 1259-1270. | 4.2 | 22 |
| 116 | Mobility of arsenic in a Bangladesh aquifer: Inferences from geochemical profiles, leaching data, and mineralogical characterization. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4539-4557. | 1.6 | 259 |
| 117 | Dispersion of natural arsenic in the Malcantone watershed, Southern Switzerland: field evidence for repeated sorption-desorption and oxidation-reduction processes. <i>Geoderma</i> , 2004, 122, 205-234. | 2.3 | 62 |
| 118 | Characterisation of a mining-related arsenic-contaminated site, Cornwall, UK. <i>Journal of Geochemical Exploration</i> , 2004, 82, 1-15. | 1.5 | 89 |
| 119 | Strong arsenic enrichment in sediments from the Elqui watershed, Northern Chile: industrial (gold) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 84, 53-64. | 1.5 | 76 |
| 120 | Contributions of discharges from a historic antimony mine to metalloid content of river waters, Marlborough, New Zealand. <i>Journal of Geochemical Exploration</i> , 2004, 84, 127-139. | 1.5 | 35 |
| 121 | Mobilisation of arsenic at the Talhadas old mining area-Central Portugal. <i>Journal of Geochemical Exploration</i> , 2004, 84, 167-180. | 1.5 | 31 |
| 122 | Antimony distribution and environmental mobility at an historic antimony smelter site, New Zealand. <i>Environmental Pollution</i> , 2004, 129, 257-266. | 3.7 | 166 |
| 123 | Long-term effects of submergence and wetland vegetation on metals in a 90-year old abandoned Pb-Zn mine tailings pond. <i>Environmental Pollution</i> , 2004, 130, 337-345. | 3.7 | 68 |
| 124 | Sorption materials for arsenic removal from water. <i>Water Research</i> , 2004, 38, 2948-2954. | 5.3 | 214 |
| 125 | Elevated levels of arsenic in the sediments of an urban pond: sources, distribution and water quality impacts. <i>Water Research</i> , 2004, 38, 2989-3000. | 5.3 | 26 |
| 126 | Preconcentration and determination of inorganic arsenic using a multisyringe flow injection system and hydride generation-atomic fluorescence spectrometry. <i>Talanta</i> , 2004, 64, 1335-1342. | 2.9 | 38 |
| 128 | Behavior of arsenic and geochemical modeling of arsenic enrichment in aqueous environments. <i>Applied Geochemistry</i> , 2004, 19, 169-180. | 1.4 | 180 |
| 129 | Arsenic mobility in groundwater/surface water systems in carbonate-rich Pleistocene glacial drift aquifers (Michigan). <i>Applied Geochemistry</i> , 2004, 19, 1137-1155. | 1.4 | 32 |
| 130 | Natural organic matter in sedimentary basins and its relation to arsenic in anoxic ground water: the example of West Bengal and its worldwide implications. <i>Applied Geochemistry</i> , 2004, 19, 1255-1293. | 1.4 | 721 |
| 131 | Geochemical and hydrodynamic controls on arsenic and trace metal cycling in a seasonally stratified US sub-tropical reservoir. <i>Applied Geochemistry</i> , 2004, 19, 1601-1623. | 1.4 | 14 |
| 132 | Arsenic behaviour in gold-ore mill tailings, Massif Central, France: hydrogeochemical study and investigation of in situ redox signatures. <i>Applied Geochemistry</i> , 2004, 19, 1785-1800. | 1.4 | 58 |
| 133 | Predicting the Probability of Occurrence of Heavy Metals in Ground Water Using Ordinal Logistic Regression. , 2004, , 1. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 134 | Structure and crystallization behavior of the (Ba,Sr)HAsO ₄ ·H ₂ O solid-solution in aqueous environments. <i>American Mineralogist</i> , 2004, 89, 601-609. | 0.9 | 9 |
| 135 | Mobility of Arsenic in Saturated, Laboratory Test Sediments under Varying pH Conditions. , 2004, , 142-150. | | 4 |
| 136 | Chemical Reactive Zones. , 2004, , 227-313. | | 0 |
| 137 | Arsenic removal by coagulation and filtration: comparison of groundwaters from the United States and Bangladesh. <i>Desalination</i> , 2004, 169, 231-244. | 4.0 | 175 |
| 138 | Oxidation of Groundwater Arsenic and Iron. <i>ACS Symposium Series</i> , 2005, , 206-219. | 0.5 | 3 |
| 139 | Controls on Arsenic Concentrations in Groundwater near Lake Geneva, Wisconsin. <i>ACS Symposium Series</i> , 2005, , 161-174. | 0.5 | 4 |
| 140 | Advances in Arsenic Research: Introductory Remarks. <i>ACS Symposium Series</i> , 2005, , 1-5. | 0.5 | 1 |
| 141 | Arsenic concentration in water and bovine milk in Cordoba, Argentina. Preliminary results. <i>Journal of Dairy Research</i> , 2005, 72, 122-124. | 0.7 | 34 |
| 142 | Coupling of ICP-MS and Multitracer Technique as a New Method to Investigate Dynamics of Various Elements in Soil-water System. <i>Chemistry Letters</i> , 2005, 34, 980-981. | 0.7 | 4 |
| 143 | Speciation in Environmental Samples. <i>Chromatographic Science</i> , 2005, , 743-778. | 0.1 | 1 |
| 144 | Groundwater Geochemistry, Microbiology, and Mineralogy in Two Arsenic-Bearing Holocene Alluvial Aquifers from the United States. <i>ACS Symposium Series</i> , 2005, , 191-205. | 0.5 | 9 |
| 145 | Arsenic removal by adsorption on iron(III) phosphate. <i>Journal of Hazardous Materials</i> , 2005, 123, 262-268. | 6.5 | 106 |
| 146 | Assessment of pilot-scale acid washing of soil contaminated with As, Zn and Ni using the BCR three-step sequential extraction. <i>Journal of Hazardous Materials</i> , 2005, 127, 1-13. | 6.5 | 98 |
| 147 | Use of hydride generation-atomic absorption spectrometry to determine the effects of hard ions, iron salts and humic substances on arsenic sorption to sorghum biomass. <i>Microchemical Journal</i> , 2005, 81, 57-60. | 2.3 | 19 |
| 148 | Construction and evaluation of As(V) selective electrodes based on iron oxyhydroxide embedded in silica gel membrane. <i>Analytica Chimica Acta</i> , 2005, 539, 229-236. | 2.6 | 11 |
| 149 | Voltammetric determination of inorganic As(III) and total inorganic As in natural waters. <i>Analytica Chimica Acta</i> , 2005, 539, 245-250. | 2.6 | 48 |
| 150 | Arsenic-bearing smectite from the geothermal environment. <i>Mineralogical Magazine</i> , 2005, 69, 897-906. | 0.6 | 34 |
| 151 | TOXICITY, BIOTRANSFORMATION, AND MODE OF ACTION OF ARSENIC IN TWO FRESHWATER MICROALGAE (CHLORELLA SP. AND MONORAPHIDIUM ARCUATUM). <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2630. | 2.2 | 179 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 152 | Geomicrobiological Cycling of Iron. <i>Reviews in Mineralogy and Geochemistry</i> , 2005, 59, 85-108. | 2.2 | 343 |
| 153 | Total arsenic and inorganic arsenic content in Norwegian fish feed products. <i>Aquaculture Nutrition</i> , 2005, 11, 61-66. | 1.1 | 55 |
| 154 | Aquifer vulnerability assessment to heavy metals using ordinal logistic regression. <i>Ground Water</i> , 2005, 43, 200-214. | 0.7 | 45 |
| 155 | Glacial Sediment Causing Regional-Scale Elevated Arsenic in Drinking Water. <i>Ground Water</i> , 2005, 43, 050824084415001. | 0.7 | 45 |
| 156 | Arsenic in Glacial Aquifers: Sources and Geochemical Controls. <i>Ground Water</i> , 2005, 43, 500-510. | 0.7 | 41 |
| 157 | Mechanisms of arsenic attenuation in acid mine drainage from Mount Bischoff, western Tasmania. <i>Science of the Total Environment</i> , 2005, 345, 219-228. | 3.9 | 68 |
| 158 | Speciation of Inorganic Arsenic in Waters by Potentiometric Flow Analysis with On-Line Preconcentration. <i>Electroanalysis</i> , 2005, 17, 504-511. | 1.5 | 11 |
| 159 | Arsenite oxidation in batch reactors with alginate-immobilized ULPAs1 strain. <i>Biotechnology and Bioengineering</i> , 2005, 91, 441-446. | 1.7 | 46 |
| 160 | Bioassessment of an Appalachian Headwater Stream Influenced by an Abandoned Arsenic Mine. <i>Archives of Environmental Contamination and Toxicology</i> , 2005, 49, 488-496. | 2.1 | 7 |
| 161 | High arsenic contents in groundwater of central Spain. <i>Environmental Geology</i> , 2005, 47, 847-854. | 1.2 | 52 |
| 162 | Riddle of arsenic in groundwater of Bengal Delta Plain—role of non-inland source and redox traps. <i>Environmental Geology</i> , 2005, 49, 188-206. | 1.2 | 30 |
| 163 | Geological and geochemical examination of arsenic contamination in groundwater in the Holocene Terai Basin, Nepal. <i>Environmental Geology</i> , 2005, 49, 98-113. | 1.2 | 87 |
| 164 | Determination of inorganic arsenic in white fish using microwave-assisted alkaline alcoholic sample dissolution and HPLC-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 339-346. | 1.9 | 49 |
| 165 | Preservation strategies for inorganic arsenic species in high iron, low-Eh groundwater from West Bengal, India. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 347-353. | 1.9 | 73 |
| 166 | Potential anthropogenic mobilisation of mercury and arsenic from soils on mineralised rocks, Northland, New Zealand. <i>Journal of Environmental Management</i> , 2005, 74, 283-292. | 3.8 | 12 |
| 167 | Removal of arsenic from water by zero-valent iron. <i>Journal of Hazardous Materials</i> , 2005, 121, 61-67. | 6.5 | 204 |
| 168 | Interactions of Natural Aminated Polymers with Different Species of Arsenic at Low Concentrations: Application in Water Treatment. <i>Adsorption</i> , 2005, 11, 859-863. | 1.4 | 22 |
| 169 | Arsenic Speciation Analysis in Solutions Treated with Zeolites. <i>Mikrochimica Acta</i> , 2005, 151, 257-262. | 2.5 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 170 | Arsenic Speciation in Urine and Blood Reference Materials. <i>Mikrochimica Acta</i> , 2005, 151, 263-268. | 2.5 | 34 |
| 171 | Bioaccessibility of arsenic in soils developed over Jurassic ironstones in eastern England. <i>Environmental Geochemistry and Health</i> , 2005, 27, 121-130. | 1.8 | 63 |
| 172 | Evaluation of Electrokinetic Remediation of Arsenic-contaminated Soils. <i>Environmental Geochemistry and Health</i> , 2005, 27, 443-453. | 1.8 | 77 |
| 173 | Arsenic Speciation Analysis in Water Samples: A Review of The Hyphenated Techniques. <i>Environmental Monitoring and Assessment</i> , 2005, 107, 259-284. | 1.3 | 101 |
| 174 | Arsenic accumulation of common plants from contaminated soils. <i>Plant and Soil</i> , 2005, 272, 337-347. | 1.8 | 166 |
| 175 | Water quality and aspects of rural water supply. , 2005, , 241-291. | | 0 |
| 176 | Mechanisms and environmental impact of microbial metal reduction. , 0, , 273-302. | | 1 |
| 177 | Pilot-Scale Performance of Iron and Arsenic Removal from Contaminated Groundwater. <i>Water Quality Research Journal of Canada</i> , 2005, 40, 82-90. | 1.2 | 16 |
| 178 | Arsenic in drinking water: a natural killer in Bangladesh and beyond. <i>Medical Journal of Australia</i> , 2005, 183, 562-563. | 0.8 | 11 |
| 179 | 5. Geomicrobiological Cycling of Iron. , 2005, , 85-108. | | 34 |
| 180 | Removal properties of arsenic compounds with synthetic hydrotalcite compounds. <i>Water Science and Technology: Water Supply</i> , 2005, 5, 75-81. | 1.0 | 11 |
| 181 | An investigation into arsenic(V) removal from aqueous solutions by hydroxylapatite and bone-char. <i>Mineralogical Magazine</i> , 2005, 69, 769-780. | 0.6 | 46 |
| 182 | Adsorption and Heterogeneous Reduction of Arsenic at the Phyllosilicate-Water Interface. <i>ACS Symposium Series</i> , 2005, , 41-59. | 0.5 | 11 |
| 183 | Redox processes in a eutrophic coal-mine lake. <i>Mineralogical Magazine</i> , 2005, 69, 797-805. | 0.6 | 7 |
| 184 | Preliminary observations on the release of arsenic to groundwater in the presence of hydrocarbon contaminants in UK aquifers. <i>Mineralogical Magazine</i> , 2005, 69, 887-896. | 0.6 | 23 |
| 185 | Microcosm depth profiles of arsenic release in a shallow aquifer, West Bengal. <i>Mineralogical Magazine</i> , 2005, 69, 855-863. | 0.6 | 82 |
| 186 | The occurrence and speciation of arsenic, antimony, and selenium in ground water of Poznań, city (Poland). <i>Chemistry and Ecology</i> , 2005, 21, 241-253. | 0.6 | 13 |
| 187 | Arsenic Speciation in Chinese Herb <i>Ligusticum chuanxiong</i> Hort by Hydride Generation Atomic Fluorescence Spectrometry. <i>Spectroscopy Letters</i> , 2005, 38, 109-119. | 0.5 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 188 | Relationship between groundwater chemistry and soil geochemical anomalies at the Spence copper porphyry deposit, Chile. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2005, 5, 135-145. | 0.5 | 38 |
| 189 | Interactions between the Fe(III)-Reducing Bacterium <i>Geobacter sulfurreducens</i> and Arsenate, and Capture of the Metalloid by Biogenic Fe(II). <i>Applied and Environmental Microbiology</i> , 2005, 71, 8642-8648. | 1.4 | 156 |
| 190 | Processes conducive to the release and transport of arsenic into aquifers of Bangladesh. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18819-18823. | 3.3 | 184 |
| 191 | Expression Dynamics of Arsenic Respiration and Detoxification in <i>Shewanella</i> sp. Strain ANA-3. <i>Journal of Bacteriology</i> , 2005, 187, 7390-7396. | 1.0 | 141 |
| 192 | Potential role of the Fe(III)-reducing bacteria <i>Geobacter</i> and <i>Geothrix</i> in controlling arsenic solubility in Bengal delta sediments. <i>Mineralogical Magazine</i> , 2005, 69, 865-875. | 0.6 | 66 |
| 193 | THE SPECIATION OF ARSENIC IN IRON OXIDES IN MINE WASTES FROM THE GIANT GOLD MINE, N.W.T.: APPLICATION OF SYNCHROTRON MICRO-XRD AND MICRO-XANES AT THE GRAIN SCALE. <i>Canadian Mineralogist</i> , 2005, 43, 1205-1224. | 0.3 | 106 |
| 194 | Bacterial Bioassay for Rapid and Accurate Analysis of Arsenic in Highly Variable Groundwater Samples. <i>Environmental Science & Technology</i> , 2005, 39, 7625-7630. | 4.6 | 149 |
| 195 | Removal of As(III) and As(V) from water using a natural Fe and Mn enriched sample. <i>Water Research</i> , 2005, 39, 5212-5220. | 5.3 | 173 |
| 196 | Effects of Dissolved Carbonate on Arsenic Adsorption and Mobility. <i>Environmental Science & Technology</i> , 2005, 39, 7875-7882. | 4.6 | 116 |
| 197 | Biomonitoring of tin and arsenic in different compartments of a limnic ecosystem with emphasis on <i>Corbicula fluminea</i> and <i>Dikerogammarus villosus</i> . <i>Journal of Environmental Monitoring</i> , 2005, 7, 203. | 2.1 | 15 |
| 198 | A reactor/phase separator coupling capillary electrophoresis to hydride generation and inductively coupled plasma optical emission spectrometry (CE-HG-ICP OES) for arsenic speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1395. | 1.6 | 29 |
| 199 | Removal of Arsenic Anions from Water Using Polyelectrolyte-Enhanced Ultrafiltration. <i>Separation Science and Technology</i> , 2005, 39, 811-831. | 1.3 | 30 |
| 200 | Fractionation of sedimentary arsenic from Port Kembla Harbour, NSW, Australia. <i>Journal of Environmental Monitoring</i> , 2005, 7, 621. | 2.1 | 5 |
| 201 | Survey of Inorganic Arsenic in Marine Animals and Marine Certified Reference Materials by Anion Exchange High-Performance Liquid Chromatography~Inductively Coupled Plasma Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6011-6018. | 2.4 | 118 |
| 202 | Characterization of aquifers conducting groundwaters with low and high arsenic concentrations: a comparative case study from West Bengal, India. <i>Mineralogical Magazine</i> , 2005, 69, 841-854. | 0.6 | 72 |
| 203 | Arsenic hazard in shallow Cambodian groundwaters. <i>Mineralogical Magazine</i> , 2005, 69, 807-823. | 0.6 | 177 |
| 204 | Characterization of Arsenate Reductase in the Extract of Roots and Fronds of Chinese Brake Fern, an Arsenic Hyperaccumulator. <i>Plant Physiology</i> , 2005, 138, 461-469. | 2.3 | 180 |
| 205 | Arsenic Redistribution between Sediments and Water near a Highly Contaminated Source. <i>Environmental Science & Technology</i> , 2005, 39, 8606-8613. | 4.6 | 64 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 206 | Rapid Small-Scale Column Tests for Arsenate Removal in Iron Oxide Packed Bed Columns. <i>Journal of Environmental Engineering, ASCE</i> , 2005, 131, 262-271. | 0.7 | 100 |
| 207 | Modeling of the Solid-Solution Partitioning of Heavy Metals and Arsenic in Embanked Flood Plain Soils of the Rivers Rhine and Meuse. <i>Environmental Science & Technology</i> , 2005, 39, 7176-7184. | 4.6 | 64 |
| 208 | Thioarsenates in Sulfidic Waters. <i>Environmental Science & Technology</i> , 2005, 39, 5933-5939. | 4.6 | 184 |
| 209 | Methyl Arsenic Adsorption and Desorption Behavior on Iron Oxides. <i>Environmental Science & Technology</i> , 2005, 39, 2120-2127. | 4.6 | 238 |
| 210 | Sorption and Desorption of Arsenic to Ferrihydrite in a Sand Filter. <i>Environmental Science & Technology</i> , 2005, 39, 8045-8051. | 4.6 | 73 |
| 211 | Development of a Biosorbent for Arsenite: A Structural Modeling Based on X-ray Spectroscopy. <i>Environmental Science & Technology</i> , 2005, 39, 895-900. | 4.6 | 81 |
| 212 | Arsenic Removal from Bangladesh Tube Well Water with Filter Columns Containing Zerovalent Iron Filings and Sand. <i>Environmental Science & Technology</i> , 2005, 39, 8032-8037. | 4.6 | 141 |
| 213 | Arsenic Mobilization through Microbially Mediated Deflocculation of Ferrihydrite. <i>Environmental Science & Technology</i> , 2005, 39, 3061-3068. | 4.6 | 63 |
| 214 | Arsenic Diagenesis at the Sediment-Water Interface of a Recently Flooded Freshwater Sediment. <i>ACS Symposium Series</i> , 2005, , 220-234. | 0.5 | 2 |
| 215 | Preservation and XANES determination of the oxidation state of solid-phase arsenic in shallow sedimentary aquifers in Bengal and Cambodia. <i>Mineralogical Magazine</i> , 2005, 69, 825-839. | 0.6 | 32 |
| 216 | Arsenic mobility in the ambient sulfidic environment: Sorption of arsenic(V) and arsenic(III) onto disordered mackinawite. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3483-3492. | 1.6 | 211 |
| 217 | Occurrence of arsenic (V) in forearc mantle serpentinites based on X-ray absorption spectroscopy study. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5585-5596. | 1.6 | 97 |
| 218 | High-level arsenite removal from groundwater by zero-valent iron. <i>Chemosphere</i> , 2005, 59, 377-386. | 4.2 | 201 |
| 219 | Removal of arsenic from groundwater by granular titanium dioxide adsorbent. <i>Chemosphere</i> , 2005, 60, 389-397. | 4.2 | 269 |
| 220 | Evaluation of the stability of arsenic immobilized by microbial sulfate reduction using TCLP extractions and long-term leaching techniques. <i>Chemosphere</i> , 2005, 60, 254-265. | 4.2 | 49 |
| 221 | Removal of As(V) species from extremely contaminated mining water. <i>Applied Clay Science</i> , 2005, 28, 31-42. | 2.6 | 33 |
| 222 | Effect of indigenous bacterial activity on arsenic mobilization under anaerobic conditions. <i>Environment International</i> , 2005, 31, 221-226. | 4.8 | 48 |
| 223 | Arsenic geochemistry and health. <i>Environment International</i> , 2005, 31, 631-641. | 4.8 | 477 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 224 | Anaerobic microbial mobilization and biotransformation of arsenate adsorbed onto activated alumina. <i>Water Research</i> , 2005, 39, 199-209. | 5.3 | 32 |
| 225 | Removal of arsenic(III) from aqueous solutions using fresh and immobilized plant biomass. <i>Water Research</i> , 2005, 39, 2815-2826. | 5.3 | 139 |
| 226 | Well characteristics influencing arsenic concentrations in ground water. <i>Water Research</i> , 2005, 39, 4029-4039. | 5.3 | 31 |
| 227 | Immobilization of arsenic in a tailings material by ferrous iron treatment. <i>Water Research</i> , 2005, 39, 4073-4082. | 5.3 | 41 |
| 228 | Analysis and speciation of arsenic by stripping potentiometry: a review. <i>Talanta</i> , 2005, 65, 613-620. | 2.9 | 123 |
| 229 | On-line preconcentration and speciation of arsenic by flow injection hydride generation atomic absorption spectrophotometry. <i>Talanta</i> , 2005, 68, 298-304. | 2.9 | 29 |
| 230 | Arsenic and other drinking water quality issues, Muzaffargarh District, Pakistan. <i>Applied Geochemistry</i> , 2005, 20, 55-68. | 1.4 | 378 |
| 231 | Factors controlling tungsten concentrations in ground water, Carson Desert, Nevada. <i>Applied Geochemistry</i> , 2005, 20, 423-441. | 1.4 | 124 |
| 232 | Release, transport and attenuation of metals from an old tailings impoundment. <i>Applied Geochemistry</i> , 2005, 20, 639-659. | 1.4 | 216 |
| 233 | Arsenic associations in sediments from the loess aquifer of La Pampa, Argentina. <i>Applied Geochemistry</i> , 2005, 20, 989-1016. | 1.4 | 197 |
| 234 | Arsenate and chromate incorporation in schwertmannite. <i>Applied Geochemistry</i> , 2005, 20, 1226-1239. | 1.4 | 236 |
| 235 | Impact of irrigation with As rich groundwater on soil and crops: A geochemical case study in West Bengal Delta Plain, India. <i>Applied Geochemistry</i> , 2005, 20, 1890-1906. | 1.4 | 202 |
| 236 | Naturally occurring arsenic: Mobilization at a landfill in Maine and implications for remediation. <i>Applied Geochemistry</i> , 2005, 20, 1985-2002. | 1.4 | 54 |
| 237 | Removal of Arsenic(III) from Groundwater by Nanoscale Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2005, 39, 1291-1298. | 4.6 | 1,051 |
| 238 | Oxidation Mechanism of As(III) in the UV/TiO ₂ System: Evidence for a Direct Hole Oxidation Mechanism. <i>Environmental Science & Technology</i> , 2005, 39, 9695-9701. | 4.6 | 188 |
| 239 | Geochemical signatures of the Namibian diatom belt: Perennial upwelling and intermittent anoxia. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, . | 1.0 | 71 |
| 240 | Arsenic Contamination and its Risk Management in Complex Environmental Settings. <i>Advances in Agronomy</i> , 2005, 86, 1-82. | 2.4 | 198 |
| 241 | Variation in Arsenic Speciation and Concentration in Paddy Rice Related to Dietary Exposure. <i>Environmental Science & Technology</i> , 2005, 39, 5531-5540. | 4.6 | 706 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 242 | Removal of Trace Levels of Arsenic and Selenium from Aqueous Solutions by Calcined and Uncalcined Layered Double Hydroxides (LDH). <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6804-6815. | 1.8 | 255 |
| 243 | Influence of elevated As on leaf breakdown in an Appalachian headwater stream. <i>Journal of the North American Benthological Society</i> , 2005, 24, 553-568. | 3.0 | 18 |
| 244 | Removal of Arsenic by Bead Cellulose Loaded with Iron Oxyhydroxide from Groundwater. <i>Environmental Science & Technology</i> , 2005, 39, 6808-6818. | 4.6 | 352 |
| 245 | Arsenic Speciation and Toxicity in Biological Systems. <i>Reviews of Environmental Contamination and Toxicology</i> , 2005, 184, 97-149. | 0.7 | 127 |
| 246 | Collection of Depth-Specific Groundwater Samples from an Arsenic Contaminated Aquifer in West Bengal, India. <i>Environmental Engineering Science</i> , 2005, 22, 870-881. | 0.8 | 12 |
| 247 | Environmental Microbes Can Speciate and Cycle Arsenic. <i>Environmental Science & Technology</i> , 2005, 39, 9569-9573. | 4.6 | 86 |
| 249 | Strong Metal Anomalies in Stream Sediments from Semiarid Watersheds in Northern Chile: When Geological and Structural Analyses Contribute to Understanding Environmental Disturbances. <i>International Geology Review</i> , 2006, 48, 1133-1144. | 1.1 | 15 |
| 250 | Photocatalytic Oxidation of Arsenite on TiO ₂ : Understanding the Controversial Oxidation Mechanism Involving Superoxides and the Effect of Alternative Electron Acceptors. <i>Environmental Science & Technology</i> , 2006, 40, 7034-7039. | 4.6 | 106 |
| 251 | Anaerobic Biotransformation of Organoarsenical Pesticides Monomethylarsonic Acid and Dimethylarsinic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 3959-3966. | 2.4 | 42 |
| 252 | Arsenic Removal Using a Biopolymer Chitosan Sorbent. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 645-658. | 0.9 | 81 |
| 253 | Adsorption of Arsenic on Layered Double Hydroxides: Effect of the Particle Size. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 4742-4751. | 1.8 | 77 |
| 254 | Spectrophotometric Determination of Trace Arsenic in Water Samples Using a Nanoparticle of Ethyl Violet with a Molybdate-Iodine Tetrachloride Complex as a Probe for Molybdoarsenate. <i>Analytical Chemistry</i> , 2006, 78, 7682-7688. | 3.2 | 43 |
| 255 | Electrochemical and XAFS Studies of Effects of Carbonate on the Oxidation of Arsenite. <i>Environmental Science & Technology</i> , 2006, 40, 228-234. | 4.6 | 20 |
| 256 | Comparison of Antimony Behavior with that of Arsenic under Various Soil Redox Conditions. <i>Environmental Science & Technology</i> , 2006, 40, 7270-7276. | 4.6 | 288 |
| 257 | Urinary 8-hydroxy-2'-deoxyguanosine in inhabitants chronically exposed to arsenic in groundwater in Cambodia. <i>Journal of Environmental Monitoring</i> , 2006, 8, 293-299. | 2.1 | 49 |
| 258 | Arsenic-Rich Iron Floc Deposits in Seeps Downgradient of Solid Waste Landfills. <i>Soil and Sediment Contamination</i> , 2006, 15, 443-453. | 1.1 | 7 |
| 259 | Increase in Rice Grain Arsenic for Regions of Bangladesh Irrigating Paddies with Elevated Arsenic in Groundwaters. <i>Environmental Science & Technology</i> , 2006, 40, 4903-4908. | 4.6 | 473 |
| 260 | Spatial Patterns of Soil Heavy Metals in Urban-Rural Transition Zone of Beijing. <i>Pedosphere</i> , 2006, 16, 690-698. | 2.1 | 67 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 261 | The Challenge of Micropollutants in Aquatic Systems. <i>Science</i> , 2006, 313, 1072-1077. | 6.0 | 2,873 |
| 262 | Formation of Magnetic Minerals by Non-Magnetotactic Prokaryotes. <i>Microbiology Monographs</i> , 2006, , 275-300. | 0.3 | 6 |
| 263 | Microbial Transformations of Arsenic in the Environment: From Soda Lakes to Aquifers. <i>Elements</i> , 2006, 2, 85-90. | 0.5 | 148 |
| 264 | Arsenic in Shallow, Reducing Groundwaters in Southern Asia: An Environmental Health Disaster. <i>Elements</i> , 2006, 2, 91-96. | 0.5 | 235 |
| 265 | Adsorption Mechanism of Arsenic on Nanocrystalline Titanium Dioxide. <i>Environmental Science & Technology</i> , 2006, 40, 1257-1262. | 4.6 | 425 |
| 266 | Codeposition of Organic Carbon and Arsenic in Bengal Delta Aquifers. <i>Environmental Science & Technology</i> , 2006, 40, 4928-4935. | 4.6 | 100 |
| 267 | Arsenic Speciation: Reduction of Arsenic(V) to Arsenic(III) by Fulvic Acid. <i>Environmental Chemistry</i> , 2006, 3, 137. | 0.7 | 25 |
| 268 | Arsenite and Arsenate Binding to Dissolved Humic Acids: Influence of pH, Type of Humic Acid, and Aluminum. <i>Environmental Science & Technology</i> , 2006, 40, 6015-6020. | 4.6 | 316 |
| 269 | Hyphenating Multisyringe Flow Injection Lab-on-Valve Analysis with Atomic Fluorescence Spectrometry for On-Line Bead Injection Preconcentration and Determination of Trace Levels of Hydride-Forming Elements in Environmental Samples. <i>Analytical Chemistry</i> , 2006, 78, 8290-8298. | 3.2 | 45 |
| 270 | Evidence for the Aquatic Binding of Arsenate by Natural Organic Matter~Suspended Fe(III). <i>Environmental Science & Technology</i> , 2006, 40, 5380-5387. | 4.6 | 124 |
| 271 | Simultaneous Microbial Reduction of Iron(III) and Arsenic(V) in Suspensions of Hydrated Ferric Oxide. <i>Environmental Science & Technology</i> , 2006, 40, 5950-5955. | 4.6 | 121 |
| 272 | XAS and XMCD Evidence for Species-Dependent Partitioning of Arsenic During Microbial Reduction of Ferrihydrite to Magnetite. <i>Environmental Science & Technology</i> , 2006, 40, 7745-7750. | 4.6 | 161 |
| 273 | Arsenic Removal from Groundwater by Household Sand Filters: A Comparative Field Study, Model Calculations, and Health Benefits. <i>Environmental Science & Technology</i> , 2006, 40, 5567-5573. | 4.6 | 178 |
| 274 | Arsenate Sorption on Lithium/Aluminum Layered Double Hydroxide Intercalated by Chloride and on Gibbsite: Sorption Isotherms, Envelopes, and Spectroscopic Studies. <i>Environmental Science & Technology</i> , 2006, 40, 7784-7789. | 4.6 | 63 |
| 275 | Comparative Evaluation of Conventional and Alternative Methods for the Removal of Arsenic from Contaminated Groundwaters. <i>Reviews on Environmental Health</i> , 2006, 21, 25-41. | 1.1 | 37 |
| 276 | Interactions of Arsenic and the Dissolved Substances Derived from Turf Soils. <i>Environmental Science & Technology</i> , 2006, 40, 4659-4665. | 4.6 | 48 |
| 277 | Contrasting Effects of Dissimilatory Iron(III) and Arsenic(V) Reduction on Arsenic Retention and Transport. <i>Environmental Science & Technology</i> , 2006, 40, 6715-6721. | 4.6 | 227 |
| 278 | Geochemical Cycling of Arsenic in a Coastal Aquifer. <i>Environmental Science & Technology</i> , 2006, 40, 3273-3278. | 4.6 | 77 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 279 | Arsenic, iron and organic matter in sediments and groundwater in the Pannonian Basin, Hungary. <i>Applied Geochemistry</i> , 2006, 21, 949-963. | 1.4 | 77 |
| 280 | The influence of geology and land use on arsenic in stream sediments and ground waters in New England, USA. <i>Applied Geochemistry</i> , 2006, 21, 1482-1497. | 1.4 | 26 |
| 281 | Physiological changes and differential gene expression in mummichogs (<i>Fundulus heteroclitus</i>) exposed to arsenic. <i>Aquatic Toxicology</i> , 2006, 77, 43-52. | 1.9 | 41 |
| 282 | Arsenic incorporation in natural calcite lattice: Evidence from electron spin echo spectroscopy. <i>Earth and Planetary Science Letters</i> , 2006, 246, 458-465. | 1.8 | 86 |
| 283 | Mineral control of arsenic content in thermal waters from volcano-hosted hydrothermal systems: Insights from island of Ischia and Phlegrean Fields (Campanian Volcanic Province, Italy). <i>Chemical Geology</i> , 2006, 229, 313-330. | 1.4 | 121 |
| 284 | Dissolution of lead- and lead-arsenic-jarosités at pH 2 and 8 and 20 °C: Insights from batch experiments. <i>Chemical Geology</i> , 2006, 229, 344-361. | 1.4 | 72 |
| 285 | Biogeochemical processes controlling the speciation and transport of arsenic within iron coated sands. <i>Chemical Geology</i> , 2006, 228, 16-32. | 1.4 | 142 |
| 286 | Abundance and mineralogical association of arsenic in the Suwannee Limestone (Florida): Implications for arsenic release during water-rock interaction. <i>Chemical Geology</i> , 2006, 228, 44-56. | 1.4 | 92 |
| 287 | Arsenic concentrations and speciation along a groundwater flow path: The Carrizo Sand aquifer, Texas, USA. <i>Chemical Geology</i> , 2006, 228, 57-71. | 1.4 | 69 |
| 288 | Sources and exposure of the New Hampshire population to arsenic in public and private drinking water supplies. <i>Chemical Geology</i> , 2006, 228, 72-84. | 1.4 | 24 |
| 289 | Solid-phases and desorption processes of arsenic within Bangladesh sediments. <i>Chemical Geology</i> , 2006, 228, 97-111. | 1.4 | 162 |
| 290 | Arsenite sorption and co-precipitation with calcite. <i>Chemical Geology</i> , 2006, 233, 328-336. | 1.4 | 140 |
| 291 | Bio-reduction of arsenate using a hydrogen-based membrane biofilm reactor. <i>Chemosphere</i> , 2006, 65, 24-34. | 4.2 | 40 |
| 292 | Kinetics of sorption and abiotic oxidation of arsenic(III) by aquifer materials. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 533-547. | 1.6 | 96 |
| 293 | Kinetics of arsenopyrite oxidative dissolution by oxygen. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1668-1676. | 1.6 | 120 |
| 294 | Arsenous acid ionisation in aqueous solutions from 25 to 300 °C. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1928-1938. | 1.6 | 38 |
| 295 | Dynamics of organic and inorganic arsenic in the solution phase of an acidic fen in Germany. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2023-2033. | 1.6 | 80 |
| 296 | A predictive model (ETLM) for As(III) adsorption and surface speciation on oxides consistent with spectroscopic data. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3778-3802. | 1.6 | 102 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 297 | Release of arsenic associated with the reduction and transformation of iron oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4116-4129. | 1.6 | 395 |
| 298 | Amount of amorphous materials in relationship to arsenic, antimony, and bismuth concentrations in a brown forest soil. <i>Geoderma</i> , 2006, 136, 75-86. | 2.3 | 19 |
| 299 | Arsenate adsorption to soils: Modelling the competition from humic substances. <i>Geoderma</i> , 2006, 136, 320-330. | 2.3 | 83 |
| 300 | Mineral formation in an acid pit lake from a high-sulfidation ore deposit: Kirki, NE Greece. <i>Journal of Geochemical Exploration</i> , 2006, 88, 68-71. | 1.5 | 37 |
| 301 | Metal mobility in alum shale from Åland, Sweden. <i>Journal of Geochemical Exploration</i> , 2006, 90, 157-165. | 1.5 | 47 |
| 302 | Identification of genes and proteins involved in the pleiotropic response to arsenic stress in <i>Caenibacter arsenoxydans</i> , a metalloresistant beta-proteobacterium with an unsequenced genome. <i>Biochimie</i> , 2006, 88, 595-606. | 1.3 | 39 |
| 303 | Contamination by arsenic and other trace elements in tube-well water and its risk assessment to humans in Hanoi, Vietnam. <i>Environmental Pollution</i> , 2006, 139, 95-106. | 3.7 | 167 |
| 304 | Enhanced recovery of arsenite sorbed onto synthetic oxides by l-ascorbic acid addition to phosphate solution: calibrating a sequential leaching method for the speciation analysis of arsenic in natural samples. <i>Water Research</i> , 2006, 40, 2168-2180. | 5.3 | 19 |
| 305 | Arsenic removal from geothermal waters with zero-valent iron – Effect of temperature, phosphate and nitrate. <i>Water Research</i> , 2006, 40, 2375-2386. | 5.3 | 106 |
| 306 | Characterisation of organic matter in a shallow, reducing, arsenic-rich aquifer, West Bengal. <i>Organic Geochemistry</i> , 2006, 37, 1101-1114. | 0.9 | 124 |
| 307 | Arsenic speciation in freshwater organisms from the river Danube in Hungary. <i>Talanta</i> , 2006, 69, 856-865. | 2.9 | 96 |
| 308 | Removal of Arsenate from Aqueous Solution Using Nanoscale Iron Particles. <i>Water Quality Research Journal of Canada</i> , 2006, 41, 210-215. | 1.2 | 43 |
| 309 | Adsorption kinetics and equilibrium of arsenic onto an iron-based adsorbent and an ion exchange resin. <i>Water Science and Technology: Water Supply</i> , 2006, 6, 201-207. | 1.0 | 11 |
| 310 | Hydrous Iron(III)-Tin(IV) Binary Mixed Oxide: Arsenic Adsorption Behaviour from Aqueous Solution. <i>Water Quality Research Journal of Canada</i> , 2006, 41, 198-209. | 1.2 | 24 |
| 311 | Arsenic Adsorptive Media Technology Selection Strategies. <i>Water Quality Research Journal of Canada</i> , 2006, 41, 171-184. | 1.2 | 39 |
| 312 | Kinetics of Arsenate Sorption-Desorption from Metal Oxides. <i>Soil Science Society of America Journal</i> , 2006, 70, 2017-2027. | 1.2 | 92 |
| 313 | Health effects from arsenic in groundwater of the Bengal delta: Effects of iron and water storage practices. <i>Environmental Geosciences</i> , 2006, 13, 17-29. | 0.6 | 10 |
| 314 | Occurrence of Arsenic in Groundwater in the Suburbs of Beijing and its Removal Using an Iron-Cerium Bimetal Oxide Adsorbent. <i>Water Quality Research Journal of Canada</i> , 2006, 41, 140-146. | 1.2 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 315 | Pilot-scale study of Polyelectrolyte-Enhanced UF for arsenic removal. Journal - American Water Works Association, 2006, 98, 106-116. | 0.2 | 15 |
| 316 | Use of Iron- and Manganese-Oxidizing Bacteria for the Combined Removal of Iron, Manganese and Arsenic from Contaminated Groundwater. Water Quality Research Journal of Canada, 2006, 41, 117-129. | 1.2 | 59 |
| 317 | Understanding arsenic metabolism through spectroscopic determination of arsenic in human urine. Spectroscopy, 2006, 20, 125-151. | 0.8 | 16 |
| 318 | Kinetics and Mass Transfer Studies on the Adsorption of Arsenic onto Activated Alumina and Iron Oxide Impregnated Activated Alumina. Water Quality Research Journal of Canada, 2006, 41, 147-156. | 1.2 | 56 |
| 319 | Occurrence of Arsenic in Ground Water in the Choushui River Alluvial Fan, Taiwan. Journal of Environmental Quality, 2006, 35, 68-75. | 1.0 | 64 |
| 320 | Arsenic in Ground Water: A Review of Current Knowledge and Relation to the CALFED Solution Area with Recommendations for Needed Research. San Francisco Estuary and Watershed Science, 2006, 4, . | 0.2 | 13 |
| 321 | Spectrophotometric Determination of Arsenic in Water Samples Based on Micro Particle Formation of Ethyl Violet-Molybdoarsenate. Analytical Sciences, 2006, 22, 1085-1089. | 0.8 | 51 |
| 322 | Determination of AsIII/AsV Ratio in Alluvial Sediments of the Bengal Basin Using X-ray Absorption Near-edge Structure. Chemistry Letters, 2006, 35, 866-867. | 0.7 | 7 |
| 323 | Removal of Arsenic from Groundwater - Mechanisms, Kinetics, Field/Pilot and Modeling Studies. , 2006, , 151-171. | | 0 |
| 325 | A high-resolution inorganic geochemical profile across the Zechstein-Buntsandstein boundary in the North German Basin. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2006, 157, 77-105. | 0.1 | 10 |
| 326 | Speciation and Removal of Arsenic in column packed with chitosan. Water Practice and Technology, 2006, 1, . | 1.0 | 7 |
| 327 | Mobilization of Arsenite by Competitive Interaction with Silicic Acid. Soil Science Society of America Journal, 2006, 70, 204-214. | 1.2 | 73 |
| 328 | Assessment of human health impacts and the approach followed. Trace Metals and Other Contaminants in the Environment, 2006, 8, 5-31. | 0.1 | 0 |
| 329 | Content and distribution of arsenic in soils, sediments and groundwater environments of the southern Pampa region, Argentina. Environmental Toxicology, 2006, 21, 561-574. | 2.1 | 23 |
| 330 | Anaerobic arsenite oxidation by novel denitrifying isolates. Environmental Microbiology, 2006, 8, 899-908. | 1.8 | 172 |
| 331 | Toxic torts: arsenic poisoning in Bangladesh and the legal geographies of responsibility. Transactions of the Institute of British Geographers, 2006, 31, 272-285. | 1.8 | 21 |
| 332 | Mobility of arsenic in saturated, laboratory test sediments under varying pH conditions. Engineering Geology, 2006, 85, 158-164. | 2.9 | 24 |
| 333 | The inequity of the Revised Arsenic Rule for very small community drinking water systems. Environmental Science and Policy, 2006, 9, 555-562. | 2.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 334 | Speciation analysis of arsenic in groundwater from Inner Mongolia with an emphasis on acid-leachable particulate arsenic. <i>Analytica Chimica Acta</i> , 2006, 555, 181-187. | 2.6 | 46 |
| 335 | Surfactant-sensitized malachite green method for trace determination of orthophosphate in aqueous solution. <i>Analytica Chimica Acta</i> , 2006, 580, 55-67. | 2.6 | 21 |
| 336 | Creation of micro and mesoporous FeIII materials utilizing organic template followed by carboxylates exchange for the low concentrations of arsenite removal. <i>Microporous and Mesoporous Materials</i> , 2006, 94, 243-253. | 2.2 | 7 |
| 337 | Environmental systems analysis of the use of bottom ash from incineration of municipal waste for road construction. <i>Resources, Conservation and Recycling</i> , 2006, 48, 26-40. | 5.3 | 65 |
| 338 | Development of off-line layer chromatographic and total reflection X-ray fluorescence spectrometric methods for arsenic speciation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1124-1128. | 1.5 | 12 |
| 339 | Mechanistic modeling of arsenic retention on natural red earth in simulated environmental systems. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 265-272. | 5.0 | 69 |
| 340 | Sorption of AsV on aluminosilicates treated with FeII nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 424-431. | 5.0 | 83 |
| 341 | Laboratory based approaches for arsenic remediation from contaminated water: Recent developments. <i>Journal of Hazardous Materials</i> , 2006, 137, 464-479. | 6.5 | 417 |
| 342 | Metal Speciation and Its Role in Bioaccessibility and Bioavailability. <i>Reviews in Mineralogy and Geochemistry</i> , 2006, 64, 59-113. | 2.2 | 158 |
| 343 | Results of a Long-Term Carcinogenicity Bioassay on Sprague-Dawley Rats Exposed to Sodium Arsenite Administered in Drinking Water. <i>Annals of the New York Academy of Sciences</i> , 2006, 1076, 578-591. | 1.8 | 20 |
| 344 | Effect of natural organic matter on arsenic release from soils and sediments into groundwater. <i>Environmental Geochemistry and Health</i> , 2006, 28, 197-214. | 1.8 | 372 |
| 345 | The As-Contaminated Elqui River Basin: a Long Lasting Perspective (1975-1995) Covering the Initiation and Development of Au-Cu-As Mining in the High Andes of Northern Chile. <i>Environmental Geochemistry and Health</i> , 2006, 28, 431-443. | 1.8 | 39 |
| 346 | Arsenic and Other Metal Contamination of Groundwaters in the Industrial Area of Thessaloniki, Northern Greece. <i>Environmental Monitoring and Assessment</i> , 2006, 123, 393-406. | 1.3 | 51 |
| 347 | Solubility and Stability of Calcium Arsenates at 25°C. <i>Water, Air, and Soil Pollution</i> , 2006, 169, 221-238. | 1.1 | 108 |
| 348 | Seasonal Changes in Arsenic Concentrations and Hydrogeochemistry of Canadian Creek, Ballarat (Victoria, Australia). <i>Water, Air, and Soil Pollution</i> , 2006, 169, 355-374. | 1.1 | 13 |
| 350 | Arsenic, antimony and other toxic elements in the drinking water of Eastern Thessaly in Greece and its possible effects on human health. <i>Environmental Geology</i> , 2006, 50, 76-84. | 1.2 | 62 |
| 351 | Concentrations and speciation of arsenic along a groundwater flow-path in the Upper Floridan aquifer, Florida, USA. <i>Environmental Geology</i> , 2006, 50, 219-228. | 1.2 | 22 |
| 352 | Metal contamination of the environment by placer and primary gold mining in the Adola region of southern Ethiopia. <i>Environmental Geology</i> , 2006, 50, 339-352. | 1.2 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 353 | Geochemical assessment of an arsenic mine adjacent to a water reservoir (LeÃ³n, Spain). <i>Environmental Geology</i> , 2006, 50, 873-884. | 1.2 | 19 |
| 354 | Naturally occurring arsenic in groundwater and identification of the geochemical sources in the Duero Cenozoic Basin, Spain. <i>Environmental Geology</i> , 2006, 50, 1151-1170. | 1.2 | 51 |
| 355 | Distribution of arsenic and other trace elements in the Holocene sediments of the Meghna River Delta, Bangladesh. <i>Environmental Geology</i> , 2006, 50, 1243-1253. | 1.2 | 25 |
| 356 | The hydrogeochemistry of a heavily used aquifer in the Mexican wine-producing Guadalupe Valley, Baja California. <i>Environmental Geology</i> , 2006, 51, 151-159. | 1.2 | 22 |
| 357 | Effect of dissolved organic matter on the adsorption and stability of As(V) on manganese wad. <i>Separation and Purification Technology</i> , 2006, 49, 223-229. | 3.9 | 24 |
| 358 | Arsenic species analysis in porewaters and sediments using hydride generation atomic fluorescence spectrometry. <i>Journal of Environmental Sciences</i> , 2006, 18, 995-999. | 3.2 | 12 |
| 359 | Mobilization of arsenic by dissolved organic matter from iron oxides, soils and sediments. <i>Science of the Total Environment</i> , 2006, 354, 179-190. | 3.9 | 376 |
| 360 | Distribution and mobility of arsenic in the RÃ­o Dulce alluvial aquifers in Santiago del Estero Province, Argentina. <i>Science of the Total Environment</i> , 2006, 358, 97-120. | 3.9 | 259 |
| 361 | Occurrence of arsenic contamination in Canada: Sources, behavior and distribution. <i>Science of the Total Environment</i> , 2006, 366, 701-721. | 3.9 | 529 |
| 362 | Mapping of spatial multi-scale sources of arsenic variation in groundwater on ChiaNan floodplain of Taiwan. <i>Science of the Total Environment</i> , 2006, 370, 168-181. | 3.9 | 46 |
| 363 | Tracer test with As(V) under variable redox conditions controlling arsenic transport in the presence of elevated ferrous iron concentrations. <i>Journal of Contaminant Hydrology</i> , 2006, 88, 36-54. | 1.6 | 48 |
| 364 | Total and inorganic arsenic in mid-atlantic marine fish and shellfish and implications for fish advisories. <i>Integrated Environmental Assessment and Management</i> , 2006, 2, 344-354. | 1.6 | 14 |
| 365 | Utilization of Zero-Valent Iron for Arsenic Removal from Groundwater and Wastewater. , 2006, , 111-150. | | 2 |
| 366 | Composition of Soils and Ground Waters at the Pampa del Tamarugal, Chile: Anatomy of a Fossil Geochemical Anomaly Derived from a Distant Porphyry Copper Deposit. <i>Economic Geology</i> , 2006, 101, 1569-1581. | 1.8 | 12 |
| 367 | Iron (hydr)oxide nanocrystals in raw and burnt sienna pigments. <i>European Journal of Mineralogy</i> , 2006, 18, 845-853. | 0.4 | 22 |
| 368 | Cys-113 and Cys-422 Form a High Affinity Metalloid Binding Site in the ArsA ATPase. <i>Journal of Biological Chemistry</i> , 2006, 281, 9925-9934. | 1.6 | 31 |
| 369 | Computational Investigation Into the Adsorption of Pollutants Onto Mineral Surfaces: Arsenate and Dolomite. <i>Materials Research Society Symposia Proceedings</i> , 2006, 930, 1. | 0.1 | 0 |
| 371 | The arsenic concentration in groundwater from the Abbey Arms Wood observation borehole, Delamere, Cheshire, UK. <i>Geological Society Special Publication</i> , 2006, 263, 265-284. | 0.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 372 | Phytoextraction and Phytofiltration of Arsenic. <i>Reviews on Environmental Health</i> , 2006, 21, 43-56. | 1.1 | 9 |
| 373 | Arsenic ecotoxicology and innate immunity. <i>Integrative and Comparative Biology</i> , 2006, 46, 1040-1054. | 0.9 | 49 |
| 374 | Dissimilatory Arsenate and Sulfate Reduction in Sediments of Two Hypersaline, Arsenic-Rich Soda Lakes: Mono and Searles Lakes, California. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6514-6526. | 1.4 | 115 |
| 375 | An arsenic metallochaperone for an arsenic detoxification pump. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15617-15622. | 3.3 | 175 |
| 376 | Tubular potentiometric detector used to determine As(V) in sediment extracts by flow injection. <i>International Journal of Environmental Analytical Chemistry</i> , 2006, 86, 563-572. | 1.8 | 3 |
| 377 | Role of natural red earth in arsenic removal in drinking water – comparison with synthetic gibbsite and goethite. <i>Trace Metals and Other Contaminants in the Environment</i> , 2007, , 587-601. | 0.1 | 6 |
| 378 | Uptake and translocation of inorganic and methylated arsenic species by plants. <i>Environmental Chemistry</i> , 2007, 4, 197. | 0.7 | 257 |
| 379 | Arsenite oxidation by ferrate in aqueous solution. <i>Trace Metals and Other Contaminants in the Environment</i> , 2007, 9, 623-639. | 0.1 | 3 |
| 380 | Molecular Analysis of Arsenate-Reducing Bacteria within Cambodian Sediments following Amendment with Acetate. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1041-1048. | 1.4 | 152 |
| 381 | Household water treatment option: removal of arsenic in presence of natural Fe-containing groundwater by solar oxidation. <i>Trace Metals and Other Contaminants in the Environment</i> , 2007, 9, 603-622. | 0.1 | 8 |
| 383 | Bioavailability of arsenic and antimony in soils from an abandoned mining area, Glendinning (SW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Environmental Engineering</i> , 2007, 42, 1263-1274. | 0.9 | 58 |
| 384 | Probing the biogeochemistry of arsenic: Response of two contrasting aquifer sediments from Cambodia to stimulation by arsenate and ferric iron. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1763-1774. | 0.9 | 27 |
| 385 | Bioaccessibility of arsenic in mine waste-contaminated soils: A case study from an abandoned arsenic mine in SW England (UK). <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1251-1261. | 0.9 | 46 |
| 386 | Critical pathway analysis to determine key uncertainties in net impacts on disease burden in Bangladesh of arsenic mitigation involving the substitution of arsenic bearing for groundwater drinking water supplies. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1909-1917. | 0.9 | 16 |
| 388 | Long-term environmental impact of arsenic-dispersion in Minas Gerais, Brazil. <i>Trace Metals and Other Contaminants in the Environment</i> , 2007, , 365-382. | 0.1 | 4 |
| 389 | Selecting Appropriate Forms of Nitrogen Fertilizer to Enhance Soil Arsenic Removal by <i>Pteris Vittata</i> : A New Approach in Phytoremediation. <i>International Journal of Phytoremediation</i> , 2007, 9, 269-280. | 1.7 | 27 |
| 390 | Identifying Metals Contamination in Groundwater Using Geochemical Correlation Evaluation. <i>Environmental Forensics</i> , 2007, 8, 25-35. | 1.3 | 5 |
| 391 | A Study of the relationship between arsenic bioaccessibility and its solid-phase distribution in soils from Wellingborough, UK. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1303-1315. | 0.9 | 60 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 392 | Arsenic Behaviour from Groundwater and Soil to Crops: Impacts on Agriculture and Food Safety. Reviews of Environmental Contamination and Toxicology, 2007, 189, 43-87. | 0.7 | 80 |
| 393 | Isolation and Characterization of NP4, Arsenate-Reducing Sulfurospirillum, from Maine Groundwater. Journal of Environmental Engineering, ASCE, 2007, 133, 81-88. | 0.7 | 13 |
| 394 | Chapter 33 Heavy Minerals and Detrital Fission-Track Thermochronology. Developments in Sedimentology, 2007, 58, 851-868. | 0.5 | 19 |
| 395 | Natural arsenic in groundwater and alkaline lakes at the upper Paraguay basin, Pantanal, Brazil. Trace Metals and Other Contaminants in the Environment, 2007, , 101-126. | 0.1 | 7 |
| 396 | Inorganic Arsenic in Drinking Water: An Evolving Public Health Concern. Journal of the National Cancer Institute, 2007, 99, 906-907. | 3.0 | 47 |
| 397 | Arsenic in surface- and groundwater in central parts of the Balkan Peninsula (SE Europe). Trace Metals and Other Contaminants in the Environment, 2007, , 127-156. | 0.1 | 2 |
| 398 | Source identification for groundwater arsenic in the Verde Valley, Central Arizona, USA. Trace Metals and Other Contaminants in the Environment, 2007, , 85-100. | 0.1 | 0 |
| 399 | Searching for a sustainable arsenic mitigation strategy in Bangladesh: experience from two upazilas. International Journal of Environment and Pollution, 2007, 31, 415. | 0.2 | 42 |
| 400 | Pb et As dans des eaux alcalines minières: contamination, comportement et risques (mine abandonnée) Tj ET Og 0 0 0 rg BT / Overlock | 0.2 | 22 |
| 402 | A Rapid Field Detection Method for Arsenic in Drinking Water. Analytical Sciences, 2007, 23, 135-137. | 0.8 | 43 |
| 403 | Metal retention in geosynthetic clay liners following permeation by different mining solutions. Geosynthetics International, 2007, 14, 178-187. | 1.5 | 39 |
| 404 | Speciation of Fe and As in cored sediments from an As-contaminated aquifer in Bangladesh. , 2007, , . | | 0 |
| 405 | Arsenic in drinking water and bladder cancer: review of epidemiological evidence. Trace Metals and Other Contaminants in the Environment, 2007, 9, 551-584. | 0.1 | 9 |
| 406 | Preparation and evaluation of a novel Fe-Mn binary oxide adsorbent for effective arsenite removal. Water Research, 2007, 41, 1921-1928. | 5.3 | 538 |
| 407 | Mathematical model for predicting microbial reduction and transport of arsenic in groundwater systems. Water Research, 2007, 41, 2079-2088. | 5.3 | 28 |
| 408 | Optimization of a GFAAS method for determination of total inorganic arsenic in drinking water. Talanta, 2007, 71, 479-485. | 2.9 | 45 |
| 409 | Arsenic: Signal Transduction, Transcription Factor, and Biotransformation Involved in Cellular Response and Toxicity. Annual Review of Pharmacology and Toxicology, 2007, 47, 243-262. | 4.2 | 237 |
| 410 | Naturally occurring arsenic in the Miocene Hawthorn Group, southwestern Florida: Potential implication for phosphate mining. Applied Geochemistry, 2007, 22, 953-973. | 1.4 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 411 | Chemodynamics of an arsenic "hotspot" in a West Bengal aquifer: A field and reactive transport modeling study. <i>Applied Geochemistry</i> , 2007, 22, 1273-1292. | 1.4 | 144 |
| 412 | Arsenic in groundwater from mineralised Proterozoic basement rocks of Burkina Faso. <i>Applied Geochemistry</i> , 2007, 22, 1074-1092. | 1.4 | 86 |
| 413 | Speciation and colloid transport of arsenic from mine tailings. <i>Applied Geochemistry</i> , 2007, 22, 1884-1898. | 1.4 | 67 |
| 414 | Transportation and evolution of trace element bearing phases in stream sediments in a mining "influenced basin (Upper Isle River, France). <i>Applied Geochemistry</i> , 2007, 22, 2362-2374. | 1.4 | 40 |
| 415 | Enhanced geochemical gradients in a marine shallow-water hydrothermal system: Unusual arsenic speciation in horizontal and vertical pore water profiles. <i>Applied Geochemistry</i> , 2007, 22, 2595-2605. | 1.4 | 35 |
| 416 | Modeling of arsenic immobilization by zero valent iron. <i>European Journal of Soil Biology</i> , 2007, 43, 356-367. | 1.4 | 43 |
| 417 | Acid mine drainage pollution in the Tinto and Odiel rivers (Iberian Pyrite Belt, SW Spain) and bioavailability of the transported metals to the Huelva Estuary. <i>Environment International</i> , 2007, 33, 445-455. | 4.8 | 263 |
| 418 | Toxic fluoride and arsenic contaminated groundwater in the Lahore and Kasur districts, Punjab, Pakistan and possible contaminant sources. <i>Environmental Pollution</i> , 2007, 145, 839-849. | 3.7 | 354 |
| 419 | Effect of temperature, gas phase composition, pH and microbial activity on As, Zn, Pb and Cd mobility in selected soils in the Ebro and Meuse Basins in the context of global change. <i>Environmental Pollution</i> , 2007, 148, 749-758. | 3.7 | 17 |
| 420 | Seasonal variation of arsenic concentration in wells in Nevada. <i>Environmental Research</i> , 2007, 104, 367-373. | 3.7 | 47 |
| 421 | Influence of arsenic on iron sulfide transformations. <i>Chemical Geology</i> , 2007, 236, 217-227. | 1.4 | 42 |
| 422 | Arsenic release from iron rich mineral processing waste: Influence of pH and redox potential. <i>Chemosphere</i> , 2007, 66, 775-782. | 4.2 | 165 |
| 423 | Contamination status of arsenic and other trace elements in drinking water and residents from Tarkwa, a historic mining township in Ghana. <i>Chemosphere</i> , 2007, 66, 1513-1522. | 4.2 | 112 |
| 424 | Effect of arsenic on photosynthesis, growth and yield of five widely cultivated rice (<i>Oryza sativa</i> L.) varieties in Bangladesh. <i>Chemosphere</i> , 2007, 67, 1072-1079. | 4.2 | 228 |
| 425 | Removal of hexafluoroarsenate from waters. <i>Chemosphere</i> , 2007, 68, 253-258. | 4.2 | 6 |
| 426 | Arsenic accumulation in duckweed (<i>Spirodela polyrhiza</i> L.): A good option for phytoremediation. <i>Chemosphere</i> , 2007, 69, 493-499. | 4.2 | 120 |
| 427 | In vitro assessment of arsenic bioaccessibility in contaminated (anthropogenic and geogenic) soils. <i>Chemosphere</i> , 2007, 69, 69-78. | 4.2 | 117 |
| 428 | Arsenic sequestration by nitrate respiring microbial communities in urban lake sediments. <i>Chemosphere</i> , 2007, 70, 329-336. | 4.2 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 429 | Natural speciation of Ni, Zn, Ba, and As in ferromanganese coatings on quartz using X-ray fluorescence, absorption, and diffraction. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 95-128. | 1.6 | 204 |
| 430 | Arsenic incorporation into FeS ₂ pyrite and its influence on dissolution: A DFT study. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 624-630. | 1.6 | 149 |
| 431 | Molybdenum and tungsten in volcanic rocks and in surface and <100°C ground waters in Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 284-304. | 1.6 | 70 |
| 432 | Mobility and microbially mediated mobilization of gold and arsenic in soils from two gold mines in semi-arid and tropical Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1183-1196. | 1.6 | 47 |
| 433 | Chemical and structural control of the partitioning of Co, Ce, and Pb in marine ferromanganese oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 984-1008. | 1.6 | 249 |
| 434 | Infrared spectroscopic and X-ray diffraction characterization of the nature of adsorbed arsenate on ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1643-1654. | 1.6 | 282 |
| 435 | Bridging arsenate surface complexes on the hematite (012) surface. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1883-1897. | 1.6 | 103 |
| 436 | Arsenic sequestration by sorption processes in high-iron sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5782-5803. | 1.6 | 146 |
| 437 | The formation, structure, and ageing of As-rich hydrous ferric oxide at the abandoned Sb deposit Pezinok (Slovakia). <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4206-4220. | 1.6 | 74 |
| 438 | Arsenic in groundwater of the Red River floodplain, Vietnam: Controlling geochemical processes and reactive transport modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5054-5071. | 1.6 | 340 |
| 439 | An attempt to use LA-ICP-SMS to quantify enrichment of trace elements on pyrite surfaces in oxidizing mine tailings. <i>Journal of Geochemical Exploration</i> , 2007, 92, 1-12. | 1.5 | 18 |
| 440 | Distribution and behavior of arsenic in soils and waters in the vicinity of the former gold-arsenic mine of Salanfè, Western Switzerland. <i>Journal of Geochemical Exploration</i> , 2007, 93, 121-134. | 1.5 | 25 |
| 441 | Arsenic resistance and removal by marine and non-marine bacteria. <i>Journal of Biotechnology</i> , 2007, 127, 434-442. | 1.9 | 106 |
| 442 | Quaternary shoreline shifting and hydrogeologic influence on the distribution of groundwater arsenic in aquifers of the Bengal Basin. <i>Journal of Asian Earth Sciences</i> , 2007, 31, 177-194. | 1.0 | 47 |
| 443 | Arsenic-Bicarbonate Interaction on Goethite Particles. <i>Environmental Science & Technology</i> , 2007, 41, 5620-5625. | 4.6 | 85 |
| 444 | Health Effects of Exposure to Natural Arsenic in Groundwater and Coal in China: An Overview of Occurrence. <i>Environmental Health Perspectives</i> , 2007, 115, 636-642. | 2.8 | 149 |
| 445 | Fate of arsenite and arsenate in flooded and not flooded soils of southwest Bangladesh irrigated with arsenic contaminated water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1775-1783. | 0.9 | 20 |
| 446 | Chapter 31 Arsenic speciation in soils: an analytical challenge for understanding arsenic biogeochemistry. <i>Developments in Environmental Science</i> , 2007, , 685-708. | 0.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 447 | Removal of Trivalent Arsenic (As(III)) from Contaminated Water by Calcium Chloride (CaCl ₂)-Impregnated Rice Husk Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 2550-2557. | 1.8 | 42 |
| 448 | XAS Studies of Arsenic in the Environment. <i>AIP Conference Proceedings</i> , 2007, , . | 0.3 | 1 |
| 449 | Phytochelatin and Antioxidant Systems Respond Differentially during Arsenite and Arsenate Stress in <i>Hydrilla verticillata</i> (L.f.) Royle. <i>Environmental Science & Technology</i> , 2007, 41, 2930-2936. | 4.6 | 187 |
| 451 | Effects of Low Concentrations of Arsenic on the Innate Immune System of the Zebrafish (<i>Danio Rerio</i>). <i>Toxicological Sciences</i> , 2007, 98, 118-124. | 1.4 | 122 |
| 452 | Adsorption of As(OH) ₃ on the (001) Surface of FeS ₂ Pyrite: A Quantum-mechanical DFT Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11390-11396. | 1.5 | 47 |
| 453 | Arsenic in Drinking Water and Its Removal. <i>Chinese Journal of Population Resources and Environment</i> , 2007, 5, 23-30. | 1.5 | 8 |
| 454 | Primary Geologic Sources of Arsenic in the Chianan Plain (Blackfoot Disease Area) and the Lanyang Plain of Taiwan. <i>International Geology Review</i> , 2007, 49, 947-961. | 1.1 | 12 |
| 455 | Bioaccumulation of Dissolved Arsenic in the Oyster <i>Crassostrea virginica</i> : A Radiotracer Study. <i>Environmental Bioindicators</i> , 2007, 2, 237-244. | 0.4 | 9 |
| 456 | Arsenic Removal by a Colloidal Iron Oxide Coated Sand. <i>Journal of Environmental Engineering, ASCE</i> , 2007, 133, 891-898. | 0.7 | 21 |
| 457 | Persistence and Remobilization of Arsenic in Massachusetts (USA) Lakes Treated With Arsenical Herbicides. <i>Lake and Reservoir Management</i> , 2007, 23, 59-68. | 0.4 | 2 |
| 458 | Mobilization of Arsenic During One-Year Incubations of Grey Aquifer Sands from Araihasar, Bangladesh. <i>Environmental Science & Technology</i> , 2007, 41, 3639-3645. | 4.6 | 62 |
| 459 | Long-Term Fate of a Pulse Arsenic Input to a Eutrophic Lake. <i>Environmental Science & Technology</i> , 2007, 41, 3062-3068. | 4.6 | 21 |
| 460 | Analysis of Bioavailable Arsenic in Rice with Whole Cell Living Bioreporter Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2115-2120. | 2.4 | 50 |
| 461 | Hydrologic Flow Controls on Biologic Iron(III) Reduction in Natural Sediments. <i>Environmental Science & Technology</i> , 2007, 41, 1218-1224. | 4.6 | 28 |
| 462 | Laboratory Investigations of Enhanced Sulfate Reduction as a Groundwater Arsenic Remediation Strategy. <i>Environmental Science & Technology</i> , 2007, 41, 6718-6724. | 4.6 | 75 |
| 463 | Arsenic and Manganese Contamination of Drinking Water Resources in Cambodia: A Coincidence of Risk Areas with Low Relief Topography. <i>Environmental Science & Technology</i> , 2007, 41, 2146-2152. | 4.6 | 227 |
| 464 | Hydrogen Thresholds and Steady-State Concentrations Associated with Microbial Arsenate Respiration. <i>Environmental Science & Technology</i> , 2007, 41, 2311-2317. | 4.6 | 21 |
| 465 | Unsaturated Zone Arsenic Distribution and Implications for Groundwater Contamination. <i>Environmental Science & Technology</i> , 2007, 41, 6914-6919. | 4.6 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 466 | Coprecipitation of Arsenate with Metal Oxides. 2. Nature, Mineralogy, and Reactivity of Iron(III) Precipitates. <i>Environmental Science & Technology</i> , 2007, 41, 8275-8280. | 4.6 | 86 |
| 467 | Arsenic in soil and groundwater: an overview. <i>Trace Metals and Other Contaminants in the Environment</i> , 2007, , 3-60. | 0.1 | 125 |
| 468 | Biogeochemistry of Organic and Inorganic Arsenic Species in a Forested Catchment in Germany. <i>Environmental Science & Technology</i> , 2007, 41, 1564-1569. | 4.6 | 49 |
| 469 | Arsenic accumulation and speciation in freshwater fish living in arsenic-contaminated waters. <i>Environmental Chemistry</i> , 2007, 4, 11. | 0.7 | 76 |
| 470 | Chapter 3. Chemistry of Freshwaters. , 2007, , 80-169. | | 2 |
| 471 | Hydrological control of As concentrations in Bangladesh groundwater. <i>Water Resources Research</i> , 2007, 43, . | 1.7 | 139 |
| 472 | Global impacts of conversions from natural to agricultural ecosystems on water resources: Quantity versus quality. <i>Water Resources Research</i> , 2007, 43, . | 1.7 | 530 |
| 473 | Arsenic transport in groundwater, surface water, and the hyporheic zone of a mine-influenced stream-aquifer system. <i>Water Resources Research</i> , 2007, 43, . | 1.7 | 18 |
| 474 | Geochemical character of serpentinites associated with high- to ultrahigh-pressure metamorphic rocks in the Alps, Cuba, and the Himalayas: Recycling of elements in subduction zones. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, . | 1.0 | 179 |
| 475 | Environmental Impact Assessment, Remediation and Evolution of Fluoride and Arsenic Contamination Process in Groundwater. , 2007, , 128-155. | | 6 |
| 476 | Environmental Behavior and Management of Hazardous Inorganic Anions in Nature. <i>Journal of MMIJ</i> , 2007, 123, 132-144. | 0.4 | 9 |
| 477 | Decreased intelligence in children and exposure to fluoride and arsenic in drinking water. <i>Cadernos De Saude Publica</i> , 2007, 23, S579-S587. | 0.4 | 151 |
| 478 | Colloid Mobilization and Arsenite Transport in Soil Columns: Effect of Ionic Strength. <i>Journal of Environmental Quality</i> , 2007, 36, 1273-1280. | 1.0 | 27 |
| 479 | Solubility of Symplectite (Ferrous Arsenate): Implications for Reduced Groundwaters and Other Geochemical Environments. <i>Soil Science Society of America Journal</i> , 2007, 71, 101-107. | 1.2 | 58 |
| 480 | Arsenic Exposure and Cognitive Performance in Mexican Schoolchildren. <i>Environmental Health Perspectives</i> , 2007, 115, 1371-1375. | 2.8 | 296 |
| 481 | Teor e capacidade máxima de adsorção de arsênio em Latossolos brasileiros. <i>Revista Brasileira De Ciencia Do Solo</i> , 2007, 31, 1311-1318. | 0.5 | 21 |
| 482 | Reservoir Sedimentation and Environmental Degradation. <i>Journal of Environmental Quality</i> , 2007, 36, 815-825. | 1.0 | 7 |
| 483 | Leaching Behavior of Arsenic from Altered Igneous Rocks by Batch Method. <i>Journal of MMIJ</i> , 2007, 123, 158-164. | 0.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 486 | Arsenic, cadmium, lead, and zinc in the Danville and Springfield coal members (Pennsylvanian) from Indiana. <i>International Journal of Coal Geology</i> , 2007, 71, 37-53. | 1.9 | 34 |
| 487 | Performance evaluation of modified calcined bauxite in the sorptive removal of arsenic(III) from aqueous environment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 293, 247-254. | 2.3 | 35 |
| 488 | Quality of groundwater in eastern Croatia. The problem of arsenic pollution. <i>Desalination</i> , 2007, 210, 157-162. | 4.0 | 62 |
| 489 | Cathodic stripping voltammetric determination of As(III) with in situ plated bismuth-film electrode using the catalytic hydrogen wave. <i>Analytica Chimica Acta</i> , 2007, 593, 1-6. | 2.6 | 31 |
| 490 | Feasibility analysis of As(III) removal in a continuous flow fixed bed system by modified calcined bauxite (MCB). <i>Journal of Hazardous Materials</i> , 2007, 139, 286-292. | 6.5 | 40 |
| 491 | Effect of contact order on the adsorption of inorganic arsenic species onto hematite in the presence of humic acid. <i>Journal of Hazardous Materials</i> , 2007, 141, 53-60. | 6.5 | 42 |
| 492 | Arsenic sorption onto natural hematite, magnetite, and goethite. <i>Journal of Hazardous Materials</i> , 2007, 141, 575-580. | 6.5 | 517 |
| 493 | On-line arsenic co-precipitation on ethyl vinyl acetate turning-packed mini-column followed by hydride generation-ICP OES determination. <i>Journal of Hazardous Materials</i> , 2007, 143, 431-436. | 6.5 | 55 |
| 494 | Remediation of heavy metal contaminated groundwater originated from abandoned mine using lime and calcium carbonate. <i>Journal of Hazardous Materials</i> , 2007, 144, 208-214. | 6.5 | 105 |
| 495 | Adsorption of arsenic from aqueous solution on synthetic hydrous stannic oxide. <i>Journal of Hazardous Materials</i> , 2007, 144, 522-531. | 6.5 | 99 |
| 496 | Characteristics of arsenic adsorption to sorghum biomass. <i>Journal of Hazardous Materials</i> , 2007, 145, 30-35. | 6.5 | 78 |
| 497 | Selecting metal oxide nanomaterials for arsenic removal in fixed bed columns: From nanopowders to aggregated nanoparticle media. <i>Journal of Hazardous Materials</i> , 2007, 147, 265-274. | 6.5 | 232 |
| 498 | Distribution of arsenic in groundwater in the area of Chalkidiki, Northern Greece. <i>Journal of Hazardous Materials</i> , 2007, 147, 890-899. | 6.5 | 91 |
| 499 | Arsenate removal by zero valent iron: Batch and column tests. <i>Journal of Hazardous Materials</i> , 2007, 149, 548-552. | 6.5 | 69 |
| 500 | Characterization of arsenic (V) and arsenic (III) in water samples using ammonium molybdate and estimation by graphite furnace atomic absorption spectroscopy. <i>Journal of Hazardous Materials</i> , 2007, 149, 238-242. | 6.5 | 34 |
| 501 | A new hybrid (polymer/inorganic) fibrous sorbent for arsenic removal from drinking water. <i>Reactive and Functional Polymers</i> , 2007, 67, 184-201. | 2.0 | 149 |
| 502 | Analysis of breakthrough developments and modeling of fixed bed adsorption system for As(V) removal from water by modified calcined bauxite (MCB). <i>Separation and Purification Technology</i> , 2007, 52, 430-438. | 3.9 | 51 |
| 503 | Adsorption of arsenite and arsenate onto muscovite and biotite mica. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 392-401. | 5.0 | 99 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 504 | Adsorption kinetics of phosphate and arsenate on goethite. A comparative study. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 354-360. | 5.0 | 107 |
| 505 | Adsorption of arsenic(III) and arsenic(V) from groundwater using natural siderite as the adsorbent. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 47-53. | 5.0 | 162 |
| 506 | Decoupling of arsenic and iron release from ferrihydrite suspension under reducing conditions: a biogeochemical model. <i>Geochemical Transactions</i> , 2007, 8, 12. | 1.8 | 63 |
| 507 | The control of organic matter on microbially mediated iron reduction and arsenic release in shallow alluvial aquifers, Cambodia. <i>Geobiology</i> , 2007, 5, 281-292. | 1.1 | 176 |
| 508 | Plant protection by the recombinant, root-colonizing <i>Pseudomonas fluorescens</i> F113rifPCB strain expressing arsenic resistance: improving rhizoremediation. <i>Letters in Applied Microbiology</i> , 2007, 45, 668-674. | 1.0 | 24 |
| 509 | Detection of exposition risk to arsenic in Portugal assessed by air deposition in biomonitors and water contamination. <i>International Journal of Hygiene and Environmental Health</i> , 2007, 210, 393-397. | 2.1 | 16 |
| 510 | Arsenic binding mechanisms on natural red earth: A potential substrate for pollution control. <i>Science of the Total Environment</i> , 2007, 379, 244-248. | 3.9 | 31 |
| 511 | The source of naturally occurring arsenic in a coastal sand aquifer of eastern Australia. <i>Science of the Total Environment</i> , 2007, 379, 151-166. | 3.9 | 31 |
| 512 | Magnitude of arsenic pollution in the Mekong and Red River Deltas of Cambodia and Vietnam. <i>Science of the Total Environment</i> , 2007, 372, 413-425. | 3.9 | 443 |
| 513 | Seasonal variations and annual fluxes of arsenic in the Garonne, Dordogne and Isle Rivers, France. <i>Science of the Total Environment</i> , 2007, 373, 196-207. | 3.9 | 64 |
| 514 | Arsenic speciation study in some spring waters of Guam, Western Pacific Ocean. <i>Science of the Total Environment</i> , 2007, 379, 176-179. | 3.9 | 7 |
| 515 | Attenuation of mining-derived pollutants in the hyporheic zone: A review. <i>Science of the Total Environment</i> , 2007, 373, 435-446. | 3.9 | 159 |
| 516 | Screening of arsenic in tubewell water with field test kits: Evaluation of the method from public health perspective. <i>Science of the Total Environment</i> , 2007, 379, 167-175. | 3.9 | 86 |
| 517 | Adverse effects of organic arsenical compounds towards <i>Vibrio fischeri</i> bacteria. <i>Science of the Total Environment</i> , 2007, 377, 207-213. | 3.9 | 28 |
| 518 | Arsenic removal from water using natural iron mineral-coated quartz sand columns. <i>Science of the Total Environment</i> , 2007, 377, 142-151. | 3.9 | 56 |
| 520 | Sources and temporal dynamics of arsenic in a New Jersey watershed, USA. <i>Science of the Total Environment</i> , 2007, 379, 56-74. | 3.9 | 21 |
| 521 | Arsenic intake via water and food by a population living in an arsenic-affected area of Bangladesh. <i>Science of the Total Environment</i> , 2007, 381, 68-76. | 3.9 | 172 |
| 522 | Arsenic in Oregon community water systems: Demography matters. <i>Science of the Total Environment</i> , 2007, 382, 52-58. | 3.9 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 523 | Arsenic speciation and uranium concentrations in drinking water supply wells in Northern Greece: Correlations with redox indicative parameters and implications for groundwater treatment. <i>Science of the Total Environment</i> , 2007, 383, 128-140. | 3.9 | 118 |
| 524 | Arsenic speciation in the River Zenne, Belgium. <i>Science of the Total Environment</i> , 2007, 384, 409-419. | 3.9 | 56 |
| 525 | Evaluation of potential health risk of arsenic-affected groundwater using indicator kriging and dose response model. <i>Science of the Total Environment</i> , 2007, 384, 151-162. | 3.9 | 80 |
| 526 | Profile distribution of As(III) and As(V) species in soil and groundwater in Bozanta area. <i>Chemical Papers</i> , 2007, 61, . | 1.0 | 9 |
| 527 | Silicate Hindering In Situ Formed Ferric Hydroxide Precipitation: Inhibiting Arsenic Removal from Water. <i>Environmental Engineering Science</i> , 2007, 24, 707-715. | 0.8 | 20 |
| 528 | Optimization of an Iron Intercalated Montmorillonite Preparation for the Removal of Arsenic at Low Concentrations. <i>Engineering in Life Sciences</i> , 2007, 7, 52-60. | 2.0 | 24 |
| 529 | ArsD: an As(III) metallochaperone for the ArsAB As(III)-translocating ATPase. <i>Journal of Bioenergetics and Biomembranes</i> , 2007, 39, 453-458. | 1.0 | 69 |
| 530 | Arsenic speciation in arsenic-rich Brazilian soils from gold mining sites under anaerobic incubation. <i>Environmental Science and Pollution Research</i> , 2007, 14, 388-396. | 2.7 | 21 |
| 531 | A stripping chronopotentiometric (SCP) method with a gold film electrode for determining inorganic arsenic species in seawater. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 929-937. | 1.9 | 27 |
| 532 | Distribution of Metals and Arsenic in Soils of Central Victoria (Creswick-Ballarat), Australia. <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 52, 339-346. | 2.1 | 24 |
| 533 | Use of reaction path modeling to predict the chemistry of stream water and groundwater: a case study from the Fiume Grande valley (Calabria, Italy). <i>Environmental Geology</i> , 2007, 51, 1133-1145. | 1.2 | 28 |
| 534 | The geochemical study of fluvio-lacustrine aquifers in the Kathmandu Basin (Nepal) and the implications for the mobilization of arsenic. <i>Environmental Geology</i> , 2007, 52, 503-517. | 1.2 | 37 |
| 535 | Prediction of acid mine drainage generation potential in selected mines in the Ashanti Metallogenic Belt using static geochemical methods. <i>Environmental Geology</i> , 2007, 52, 957-964. | 1.2 | 40 |
| 536 | Anionic sorption onto modified natural zeolites using chemical activation. <i>Environmental Geology</i> , 2007, 52, 1187-1192. | 1.2 | 27 |
| 537 | Factors affecting arsenic concentration in groundwaters from Northwestern Chaco-Pampean Plain, Argentina. <i>Environmental Geology</i> , 2007, 52, 1261-1275. | 1.2 | 25 |
| 538 | Prediction of the thermodynamic properties of metal-arsenate and metal-arsenite aqueous complexes to high temperatures and pressures and some geological consequences. <i>Environmental Geology</i> , 2007, 52, 1343-1363. | 1.2 | 68 |
| 539 | Arsenic adsorption on nanocrystalline goethite: the natural example of bolar earths from Mt Amiata (Central Italy). <i>Environmental Geology</i> , 2007, 52, 1365-1374. | 1.2 | 13 |
| 540 | Mineral deposits and Cu-Zn-As dispersion contamination in stream sediments from the semiarid Coquimbo Region, Chile. <i>Environmental Geology</i> , 2007, 53, 283-294. | 1.2 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 541 | Arsenic in the groundwater of Ouro Preto (Brazil): its temporal behavior as influenced by the hydric regime and hydrogeology. <i>Environmental Geology</i> , 2007, 53, 785-793. | 1.2 | 20 |
| 542 | Groundwater arsenic distribution in South-western Uruguay. <i>Environmental Geology</i> , 2007, 53, 827-834. | 1.2 | 15 |
| 543 | Arsenic Distribution in a Tilapia (<i>Oreochromis mossambicus</i>) Water-Sediment Aquacultural Ecosystem in Blackfoot Disease Hyperendemic Areas. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 78, 147-151. | 1.3 | 6 |
| 544 | Speciation and Seasonal Variations of Dissolved Inorganic Arsenic in Jiaozhou Bay, North China. <i>Water, Air and Soil Pollution</i> , 2007, 7, 655-671. | 0.8 | 13 |
| 545 | Arsenic Accumulation in Rice (<i>Oryza sativa</i> L.) Varieties of Bangladesh: A Glass House Study. <i>Water, Air, and Soil Pollution</i> , 2007, 185, 53-61. | 1.1 | 31 |
| 546 | Stability of Arsenic Species in Soils Contaminated Naturally and in an Anthropogenic Manner. <i>Water, Air, and Soil Pollution</i> , 2007, 187, 233-241. | 1.1 | 13 |
| 547 | Arsenic occurrence in Brazil and human exposure. <i>Environmental Geochemistry and Health</i> , 2007, 29, 109-118. | 1.8 | 56 |
| 548 | Soil washing of As-contaminated stream sediments in the vicinity of an abandoned mine in Korea. <i>Environmental Geochemistry and Health</i> , 2007, 29, 319-329. | 1.8 | 36 |
| 549 | Desorption of arsenic from drinking water distribution system solids. <i>Environmental Monitoring and Assessment</i> , 2007, 127, 523-535. | 1.3 | 36 |
| 550 | Effect of arsenic compounds on <i>Vibrio fischeri</i> light emission and butyrylcholinesterase activity. <i>Environmental Chemistry Letters</i> , 2007, 5, 115-119. | 8.3 | 13 |
| 551 | Arsenic Geochemistry of the Great Dismal Swamp, Virginia, USA: Possible Organic Matter Controls. <i>Aquatic Geochemistry</i> , 2007, 13, 289-308. | 1.5 | 13 |
| 552 | Individual lifetime exposure to inorganic arsenic using a space-time information system. <i>International Archives of Occupational and Environmental Health</i> , 2007, 80, 184-197. | 1.1 | 32 |
| 553 | Occurrence of minor toxic elements in volcanic-sedimentary aquifers: a case study in central Italy. <i>Hydrogeology Journal</i> , 2007, 15, 1183-1196. | 0.9 | 61 |
| 554 | Arsenic in shallow groundwater of Bangladesh: investigations from three different physiographic settings. <i>Hydrogeology Journal</i> , 2007, 15, 1507-1522. | 0.9 | 125 |
| 555 | Development and application of the diffusive gradients in thin films technique for the measurement of total dissolved inorganic arsenic in waters. <i>Analytica Chimica Acta</i> , 2008, 622, 133-142. | 2.6 | 68 |
| 556 | Geochemistry of the Rehai and Ruidian geothermal waters, Yunnan Province, China. <i>Geothermics</i> , 2008, 37, 73-83. | 1.5 | 80 |
| 557 | Dissolved organic matter and arsenic removal with coupled chitosan/UF operation. <i>Separation and Purification Technology</i> , 2008, 60, 292-298. | 3.9 | 36 |
| 558 | Arsenic in drinking water: sources, occurrence and health effects (a review). <i>Reviews in Environmental Science and Biotechnology</i> , 2008, 7, 307-323. | 3.9 | 111 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 559 | Hydrochemistry of Arsenic-Enriched Aquifer from Rural West Bengal, India: A Study of the Arsenic Exposure and Mitigation Option. <i>Water, Air, and Soil Pollution</i> , 2008, 190, 95-113. | 1.1 | 53 |
| 560 | Mercury and Arsenic Bioaccumulation and Eutrophication in Baiyangdian Lake, China. <i>Water, Air, and Soil Pollution</i> , 2008, 190, 115-127. | 1.1 | 55 |
| 561 | Arsenate and Arsenite Sorption on Magnetite: Relations to Groundwater Arsenic Treatment Using Zerovalent Iron and Natural Attenuation. <i>Water, Air, and Soil Pollution</i> , 2008, 193, 65-78. | 1.1 | 67 |
| 562 | Determination of As(III) and As(V) in hot spring and river waters by neutron activation analysis with pyrrolidinedithiocarbamate coprecipitation technique. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 278, 111-116. | 0.7 | 9 |
| 563 | Arsenic speciation: HPLC followed by ICP-MS or INAA. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 278, 267-270. | 0.7 | 16 |
| 564 | Arsenic and fluoride in the groundwater of Mexico. <i>Environmental Geochemistry and Health</i> , 2008, 30, 345-353. | 1.8 | 229 |
| 565 | Determination of Arsenic in Environmental and Biological Samples Using Toluidine Blue or Safranin O by Simple Spectrophotometric Method. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 81, 47-51. | 1.3 | 33 |
| 566 | Adsorption Sequence of Toxic Inorganic Anions on a Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 81, 508-512. | 1.3 | 8 |
| 567 | Mobility of arsenic and trace element inventories in sediment cores from Masuda City, southwestern Japan. <i>Environmental Geology</i> , 2008, 54, 791-803. | 1.2 | 6 |
| 568 | Groundwater chemistry and occurrence of arsenic in the Meghna floodplain aquifer, southeastern Bangladesh. <i>Environmental Geology</i> , 2008, 54, 1247-1260. | 1.2 | 56 |
| 569 | Hydrogeochemical investigation of KÃ¼rÃ¼k Menderes River coastal wetland, SelÃ¼kÃ¼zmir, Turkey. <i>Environmental Geology</i> , 2008, 55, 149-164. | 1.2 | 26 |
| 570 | Response of the interaction between groundwater and other components of the environment in Mexico. <i>Environmental Geology</i> , 2008, 55, 303-319. | 1.2 | 36 |
| 571 | Arsenic reduction and precipitation by shewanella sp.: Batch and column tests. <i>Geosciences Journal</i> , 2008, 12, 151-157. | 0.6 | 19 |
| 572 | Geostatistical analysis of arsenic concentration in the groundwater of Malda district of West Bengal, India. <i>Frontiers of Earth Science</i> , 2008, 2, 292-301. | 0.5 | 10 |
| 573 | Removal of arsenic from water streams: an overview of available techniques. <i>Clean Technologies and Environmental Policy</i> , 2008, 10, 89-95. | 2.1 | 137 |
| 574 | The feasibility of <i>in vivo</i> measurement of arsenic and silver by X-ray fluorescence. <i>X-Ray Spectrometry</i> , 2008, 37, 51-57. | 0.9 | 10 |
| 575 | Experimental and Numerical Modeling Studies of Arsenic Removal with Wood Ash from Aqueous Streams. <i>Canadian Journal of Chemical Engineering</i> , 2004, 82, 968-977. | 0.9 | 29 |
| 576 | Influence of Chelating Ligands on Arsenic Uptake by Hydroponically Grown Rice Seedlings (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Ove | 0.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 577 | Removal of arsenic in water by an ion-exchange fiber with amino groups. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3934-3940. | 1.3 | 26 |
| 578 | The Baseline Inorganic Chemistry of European Groundwaters. , 0, , 22-58. | | 20 |
| 579 | Irreversible adsorption of methyl arsenic, arsenate, and phosphate onto goethite in arsenic and phosphate binary systems. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 35-43. | 5.0 | 37 |
| 580 | Multi-competitive interaction of As(III) and As(V) oxyanions with Ca ²⁺ , Mg ²⁺ , PO ₃ ⁴⁻ , and CO ₂ ³⁻ ions on goethite. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 400-414. | 5.0 | 241 |
| 581 | Arsenic sorption onto laterite iron concretions: Temperature effect. <i>Journal of Colloid and Interface Science</i> , 2008, 321, 493-500. | 5.0 | 97 |
| 582 | Arsenate adsorption on ruthenium oxides: A spectroscopic and kinetic investigation. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 23-30. | 5.0 | 3 |
| 583 | Removal of As(III) in a column reactor packed with iron-coated sand and manganese-coated sand. <i>Journal of Hazardous Materials</i> , 2008, 150, 565-572. | 6.5 | 54 |
| 584 | Enhancement of electrokinetic remediation of arsenic spiked soil by chemical reagents. <i>Journal of Hazardous Materials</i> , 2008, 152, 309-315. | 6.5 | 79 |
| 585 | Simultaneous removal of perchlorate and arsenate by ion-exchange media modified with nanostructured iron (hydr)oxide. <i>Journal of Hazardous Materials</i> , 2008, 152, 397-406. | 6.5 | 65 |
| 586 | Removal of As(V) and As(III) by reclaimed iron-oxide coated sands. <i>Journal of Hazardous Materials</i> , 2008, 153, 817-826. | 6.5 | 83 |
| 587 | Removal of As(V) and Cr(VI) from aqueous solutions using solid waste from leather industry. <i>Journal of Hazardous Materials</i> , 2008, 151, 280-284. | 6.5 | 110 |
| 588 | Adsorptive removal of As(V) and As(III) from water by a Zr(IV)-loaded orange waste gel. <i>Journal of Hazardous Materials</i> , 2008, 154, 1066-1074. | 6.5 | 155 |
| 589 | Removal of arsenic from water using granular ferric hydroxide: Macroscopic and microscopic studies. <i>Journal of Hazardous Materials</i> , 2008, 156, 178-185. | 6.5 | 166 |
| 590 | An approach for evaluating nanomaterials for use as packed bed adsorber media: A case study of arsenate removal by titanate nanofibers. <i>Journal of Hazardous Materials</i> , 2008, 156, 604-611. | 6.5 | 47 |
| 591 | Arsenic uptake by aquatic macrophyte <i>Spirodela polyrrhiza</i> L.: Interactions with phosphate and iron. <i>Journal of Hazardous Materials</i> , 2008, 160, 356-361. | 6.5 | 67 |
| 592 | Arsenite and arsenate sorption by hydrous ferric oxide/polymeric material. <i>Desalination</i> , 2008, 229, 1-9. | 4.0 | 64 |
| 593 | Influence of phosphate and iron ions in selective uptake of arsenic species by water fern (<i>Salvinia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 6.6 | 49 |
| 594 | Application of zeolitic volcanic rocks for arsenic removal from water. <i>Engineering Geology</i> , 2008, 101, 245-250. | 2.9 | 48 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 595 | Iron-modified light expanded clay aggregates for the removal of arsenic(V) from groundwater. <i>Microchemical Journal</i> , 2008, 88, 7-13. | 2.3 | 69 |
| 596 | Microporous ceramic membrane technology for the removal of arsenic and chromium ions from contaminated water. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 150-156. | 2.2 | 81 |
| 597 | Bog Iron Ores and their Potential Role in Arsenic Dynamics: An Overview and a "Paleo Example". <i>Engineering in Life Sciences</i> , 2008, 8, 641-649. | 2.0 | 10 |
| 598 | Arsenic Release from a Natural Rock under Near-natural Oxidizing Conditions. <i>Engineering in Life Sciences</i> , 2008, 8, 622-630. | 2.0 | 9 |
| 599 | Dynamics of Arsenic Species in Laboratory-scale Horizontal Subsurface-flow Constructed Wetlands Treating an Artificial Wastewater. <i>Engineering in Life Sciences</i> , 2008, 8, 603-611. | 2.0 | 15 |
| 600 | Redox Dynamics of Arsenic Species in the Root-Near Environment of <i>Juncus effusus</i> Investigated in a Macro-gradient-Free Rooted Gravel Bed Reactor. <i>Engineering in Life Sciences</i> , 2008, 8, 612-621. | 2.0 | 5 |
| 601 | Effects of arsenic speciation and low dissolved oxygen condition on the toxicity of arsenic to a lotic mayfly. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 583-590. | 2.2 | 13 |
| 602 | Effects of different forms of nitrogen fertilizers on arsenic uptake by rice plants. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 881-887. | 2.2 | 79 |
| 603 | Environmental-geochemical state of the Yuzhnoural'skaya SDPP reservoir. <i>Water Resources</i> , 2008, 35, 686-700. | 0.3 | 0 |
| 604 | Redox Processes and Water Quality of Selected Principal Aquifer Systems. <i>Ground Water</i> , 2008, 46, 259-271. | 0.7 | 398 |
| 605 | Effect of Well Disinfection on Arsenic in Ground Water. <i>Ground Water Monitoring and Remediation</i> , 2008, 28, 60-67. | 0.6 | 8 |
| 606 | Aquifer Minerals and In Situ Remediation: The Importance of Geochemistry. <i>Ground Water Monitoring and Remediation</i> , 2008, 28, 153-160. | 0.6 | 7 |
| 607 | Near-surface wetland sediments as a source of arsenic release to ground water in Asia. <i>Nature</i> , 2008, 454, 505-508. | 13.7 | 486 |
| 608 | Predicting groundwater arsenic contamination in Southeast Asia from surface parameters. <i>Nature Geoscience</i> , 2008, 1, 536-542. | 5.4 | 234 |
| 609 | Straighthead disease of rice (<i>Oryza sativa</i> L.) induced by arsenic toxicity. <i>Environmental and Experimental Botany</i> , 2008, 62, 54-59. | 2.0 | 75 |
| 610 | Phylogenetic analysis and arsenate reduction effect of the arsenic-reducing bacteria enriched from contaminated soils at an abandoned smelter site. <i>Journal of Environmental Sciences</i> , 2008, 20, 1501-1507. | 3.2 | 18 |
| 611 | Internal arsenite bioassay calibration using multiple bioreporter cell lines. <i>Microbial Biotechnology</i> , 2008, 1, 149-157. | 2.0 | 45 |
| 612 | Relationships among total recoverable and reactive metals and metalloid in St. Lawrence River sediment: Bioaccumulation by chironomids and implications for ecological risk assessment. <i>Science of the Total Environment</i> , 2008, 389, 101-114. | 3.9 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 613 | Effectiveness of household reverse-osmosis systems in a Western U.S. region with high arsenic in groundwater. <i>Science of the Total Environment</i> , 2008, 389, 245-252. | 3.9 | 80 |
| 614 | Groundwater geochemistry and its implications for arsenic mobilization in shallow aquifers of the Hetao Basin, Inner Mongolia. <i>Science of the Total Environment</i> , 2008, 393, 131-144. | 3.9 | 255 |
| 615 | Arsenic abundance and variation in golf course lakes. <i>Science of the Total Environment</i> , 2008, 394, 313-320. | 3.9 | 17 |
| 616 | Groundwater derived arsenic in high carbonate wetland soils: Sources, sinks, and mobility. <i>Science of the Total Environment</i> , 2008, 401, 109-120. | 3.9 | 36 |
| 617 | Processes of attenuation of dissolved arsenic downstream from historic gold mine sites, New Zealand. <i>Science of the Total Environment</i> , 2008, 405, 286-300. | 3.9 | 33 |
| 618 | Use of iron-based technologies in contaminated land and groundwater remediation: A review. <i>Science of the Total Environment</i> , 2008, 400, 42-51. | 3.9 | 537 |
| 619 | Hydrogeochemical comparison and effects of overlapping redox zones on groundwater arsenic near the Western (Bhagirathi sub-basin, India) and Eastern (Meghna sub-basin, Bangladesh) margins of the Bengal Basin. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 31-48. | 1.6 | 145 |
| 620 | Distribution and variability of redox zones controlling spatial variability of arsenic in the Mississippi River Valley alluvial aquifer, southeastern Arkansas. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 49-67. | 1.6 | 32 |
| 621 | Evaluating mobilization and transport of arsenic in sediments and groundwaters of Aquia aquifer, Maryland, USA. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 68-84. | 1.6 | 70 |
| 622 | Quaternary stratigraphy, sediment characteristics and geochemistry of arsenic-contaminated alluvial aquifers in the Gangesâ€”Brahmaputra floodplain in central Bangladesh. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 112-136. | 1.6 | 78 |
| 623 | Arsenic in groundwaters in the Northern Appalachian Mountain belt: A review of patterns and processes. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 8-21. | 1.6 | 68 |
| 624 | Distribution of geogenic arsenic in hydrologic systems: Controls and challenges. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 1-7. | 1.6 | 90 |
| 626 | Geochemistry of high arsenic groundwater in Chia-Nan plain, Southwestern Taiwan: Possible sources and reactive transport of arsenic. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 85-96. | 1.6 | 85 |
| 627 | Geochemical characterisation of shallow aquifer sediments of Matlab Upazila, Southeastern Bangladesh â€” Implications for targeting low-As aquifers. <i>Journal of Contaminant Hydrology</i> , 2008, 99, 137-149. | 1.6 | 76 |
| 628 | Leaching behavior of arsenic from various rocks by controlling geochemical conditions. <i>Minerals Engineering</i> , 2008, 21, 191-199. | 1.8 | 25 |
| 629 | Adsorptive Removal of As(III) from Aqueous Solution by Zr(IV)-Loaded Collagen Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 5623-5628. | 1.8 | 18 |
| 631 | Reaction and Transport of Arsenic in Soils: Equilibrium and Kinetic Modeling. <i>Advances in Agronomy</i> , 2008, 98, 45-115. | 2.4 | 58 |
| 632 | Growing Rice Aerobically Markedly Decreases Arsenic Accumulation. <i>Environmental Science & Technology</i> , 2008, 42, 5574-5579. | 4.6 | 567 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 633 | Mesoporous TiO ₂ /Fe ₂ O ₃ : Bifunctional Composites for Effective Elimination of Arsenite Contamination through Simultaneous Photocatalytic Oxidation and Adsorption. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19584-19589. | 1.5 | 107 |
| 634 | Inverse geochemical modeling of groundwater evolution with emphasis on arsenic in the Mississippi River Valley alluvial aquifer, Arkansas (USA). <i>Journal of Hydrology</i> , 2008, 350, 41-55. | 2.3 | 101 |
| 635 | Statistical Modeling of Global Geogenic Arsenic Contamination in Groundwater. <i>Environmental Science & Technology</i> , 2008, 42, 3669-3675. | 4.6 | 317 |
| 636 | A Gel Probe Equilibrium Sampler for Measuring Arsenic Porewater Profiles and Sorption Gradients in Sediments: I. Laboratory Development. <i>Environmental Science & Technology</i> , 2008, 42, 497-503. | 4.6 | 16 |
| 637 | How paleosols influence groundwater flow and arsenic pollution: A model from the Bengal Basin and its worldwide implication. <i>Water Resources Research</i> , 2008, 44, . | 1.7 | 135 |
| 638 | Removal of Arsenic from High Ionic Strength Solutions: Effects of Ionic Strength, pH, and preformed versus in situ formed HFO. <i>Environmental Science & Technology</i> , 2008, 42, 3797-3802. | 4.6 | 147 |
| 639 | LEAD ISOTOPES AS MONITORS OF ANTHROPOGENIC AND NATURAL SOURCES AFFECTING THE SURFICIAL ENVIRONMENT. , 2008, , 287-316. | | 6 |
| 640 | Interaction of gypsum with As(V)-bearing aqueous solutions: Surface precipitation of guerinite, sainfeldite, and Ca ₂ NaH(AsO ₄) ₂ ·6H ₂ O, a synthetic arsenate. <i>American Mineralogist</i> , 2008, 93, 928-939. | 0.9 | 25 |
| 641 | Arsenate Removal by Nanostructured ZrO ₂ Spheres. <i>Environmental Science & Technology</i> , 2008, 42, 3786-3790. | 4.6 | 123 |
| 642 | Nanostructure Iron(III)-Zirconium(IV) Binary Mixed Oxide: Synthesis, Characterization, and Physicochemical Aspects of Arsenic(III) Sorption from the Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 9903-9912. | 1.8 | 48 |
| 644 | Metal mobilization from base-metal smelting slag dumps in Sierra Almagrera (Almería, Spain). <i>Applied Geochemistry</i> , 2008, 23, 895-913. | 1.4 | 61 |
| 645 | Dissolved metals and associated constituents in abandoned coal-mine discharges, Pennsylvania, USA. Part 2: Geochemical controls on constituent concentrations. <i>Applied Geochemistry</i> , 2008, 23, 203-226. | 1.4 | 147 |
| 646 | The occurrence and geochemistry of arsenic in groundwaters of the Newark basin of Pennsylvania. <i>Applied Geochemistry</i> , 2008, 23, 85-98. | 1.4 | 46 |
| 647 | Kinetics of inorganic arsenopyrite oxidation in acidic aqueous solutions. <i>Applied Geochemistry</i> , 2008, 23, 121-135. | 1.4 | 80 |
| 648 | Mobility of arsenic in West Bengal aquifers conducting low and high groundwater arsenic. Part I: Comparative hydrochemical and hydrogeological characteristics. <i>Applied Geochemistry</i> , 2008, 23, 977-995. | 1.4 | 94 |
| 649 | Mobility of arsenic in West Bengal aquifers conducting low and high groundwater arsenic. Part II: Comparative geochemical profile and leaching study. <i>Applied Geochemistry</i> , 2008, 23, 996-1011. | 1.4 | 49 |
| 650 | Contamination of surface waters by mining wastes in the Milluni Valley (Cordillera Real, Bolivia): Mineralogical and hydrological influences. <i>Applied Geochemistry</i> , 2008, 23, 1299-1324. | 1.4 | 92 |
| 651 | Mineralogical controls on environmental mobility of arsenic from historic mine processing residues, New Zealand. <i>Applied Geochemistry</i> , 2008, 23, 1467-1483. | 1.4 | 68 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 652 | Arsenic and manganese in tube well waters of Prey Veng and Kandal Provinces, Cambodia. <i>Applied Geochemistry</i> , 2008, 23, 1086-1093. | 1.4 | 49 |
| 653 | Impact of ancient metal smelting on arsenic pollution in the Pecora River Valley, Southern Tuscany, Italy. <i>Applied Geochemistry</i> , 2008, 23, 1241-1259. | 1.4 | 53 |
| 654 | Effect of major anions on arsenate desorption from ferrihydrite-bearing natural samples. <i>Applied Geochemistry</i> , 2008, 23, 1451-1466. | 1.4 | 49 |
| 655 | High arsenic and boron concentrations in groundwaters related to mining activity in the Bigadiç borate deposits (Western Turkey). <i>Applied Geochemistry</i> , 2008, 23, 2462-2476. | 1.4 | 85 |
| 656 | Monitoring and modelling of the solid-solution partitioning of metals and As in a river floodplain redox sequence. <i>Applied Geochemistry</i> , 2008, 23, 2350-2363. | 1.4 | 24 |
| 657 | Arsenic release from biotite into a Holocene groundwater aquifer in Bangladesh. <i>Applied Geochemistry</i> , 2008, 23, 2236-2248. | 1.4 | 92 |
| 658 | Geochemistry of aquifer sediments and arsenic-rich groundwaters from Kandal Province, Cambodia. <i>Applied Geochemistry</i> , 2008, 23, 3029-3046. | 1.4 | 71 |
| 659 | Hopane, sterane and n-alkane distributions in shallow sediments hosting high arsenic groundwaters in Cambodia. <i>Applied Geochemistry</i> , 2008, 23, 3047-3058. | 1.4 | 51 |
| 660 | Controlling geological and hydrogeological processes in an arsenic contaminated aquifer on the Red River flood plain, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3099-3115. | 1.4 | 60 |
| 661 | Palaeo-hydrogeological control on groundwater As levels in Red River delta, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3116-3126. | 1.4 | 36 |
| 662 | Arsenic mobilisation in a new well field for drinking water production along the Red River, Nam Du, Hanoi. <i>Applied Geochemistry</i> , 2008, 23, 3127-3142. | 1.4 | 40 |
| 663 | Hydrological and geochemical constraints on the mechanism of formation of arsenic contaminated groundwater in Sonargaon, Bangladesh. <i>Applied Geochemistry</i> , 2008, 23, 3155-3176. | 1.4 | 29 |
| 664 | Hydrogeological survey assessing arsenic and other groundwater contaminants in the lowlands of Sumatra, Indonesia. <i>Applied Geochemistry</i> , 2008, 23, 3019-3028. | 1.4 | 49 |
| 665 | Arsenicosis in Cambodia: Case studies and policy response. <i>Applied Geochemistry</i> , 2008, 23, 2977-2986. | 1.4 | 67 |
| 666 | Geochemical processes underlying a sharp contrast in groundwater arsenic concentrations in a village on the Red River delta, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3143-3154. | 1.4 | 107 |
| 667 | Arsenic in Groundwaters of South-East Asia: With Emphasis on Cambodia and Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 2968-2976. | 1.4 | 38 |
| 668 | Integrated biogeochemical and hydrologic processes driving arsenic release from shallow sediments to groundwaters of the Mekong delta. <i>Applied Geochemistry</i> , 2008, 23, 3059-3071. | 1.4 | 152 |
| 669 | Linking organic matter deposition and iron mineral transformations to groundwater arsenic levels in the Mekong delta, Cambodia. <i>Applied Geochemistry</i> , 2008, 23, 3088-3098. | 1.4 | 61 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 670 | Modelling arsenic hazard in Cambodia: A geostatistical approach using ancillary data. <i>Applied Geochemistry</i> , 2008, 23, 3010-3018. | 1.4 | 53 |
| 671 | A combined experimental study of vivianite and As (V) reactivity in the pH range 2–11. <i>Applied Geochemistry</i> , 2008, 23, 3187-3204. | 1.4 | 34 |
| 672 | Geochemistry and mineralogy of arsenic in (natural) anaerobic groundwaters. <i>Applied Geochemistry</i> , 2008, 23, 3205-3214. | 1.4 | 75 |
| 673 | Characterization of Fe(III) (hydr)oxides in arsenic contaminated soil under various redox conditions by XAFS and Mössbauer spectroscopies. <i>Applied Geochemistry</i> , 2008, 23, 3236-3243. | 1.4 | 22 |
| 674 | Effect of indigenous bacteria on geochemical behavior of arsenic in aquifer sediments from the Hetao Basin, Inner Mongolia: Evidence from sediment incubations. <i>Applied Geochemistry</i> , 2008, 23, 3267-3277. | 1.4 | 64 |
| 675 | Thiol metabolism and antioxidant systems complement each other during arsenate detoxification in <i>Ceratophyllum demersum</i> L.. <i>Aquatic Toxicology</i> , 2008, 86, 205-215. | 1.9 | 168 |
| 676 | The biouptake and toxicity of arsenic species on the green microalga <i>Chlorella salina</i> in seawater. <i>Aquatic Toxicology</i> , 2008, 87, 264-271. | 1.9 | 129 |
| 677 | Arsenate removal from water by a weak-base anion exchange fibrous adsorbent. <i>Water Research</i> , 2008, 42, 689-696. | 5.3 | 233 |
| 678 | Anoxic oxidation of arsenite linked to denitrification in sludges and sediments. <i>Water Research</i> , 2008, 42, 4569-4577. | 5.3 | 46 |
| 679 | On-line and off-line quantification of trace elements associated to colloids by As-Fl-FFF and ICP-MS. <i>Talanta</i> , 2008, 77, 60-65. | 2.9 | 44 |
| 680 | Measurement of soil/dust arsenic by gas phase chemiluminescence. <i>Talanta</i> , 2008, 77, 372-379. | 2.9 | 15 |
| 681 | Accumulation of nine metals and one metalloid in the tropical scallop <i>Comptopallium radula</i> from coral reefs in New Caledonia. <i>Environmental Pollution</i> , 2008, 152, 543-552. | 3.7 | 93 |
| 682 | In field arsenic removal from natural water by zero-valent iron assisted by solar radiation. <i>Environmental Pollution</i> , 2008, 156, 827-831. | 3.7 | 69 |
| 683 | Validity of spatial models of arsenic concentrations in private well water. <i>Environmental Research</i> , 2008, 106, 42-50. | 3.7 | 31 |
| 684 | Assessing the risks on human health associated with inorganic arsenic intake from groundwater-cultured milkfish in southwestern Taiwan. <i>Food and Chemical Toxicology</i> , 2008, 46, 701-709. | 1.8 | 51 |
| 685 | Arsenic fractions and enzyme activities in arsenic-contaminated soils by groundwater irrigation in West Bengal. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 149-156. | 2.9 | 88 |
| 686 | Arsenite sorption at the magnetite–water interface during aqueous precipitation of magnetite: EXAFS evidence for a new arsenite surface complex. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2573-2586. | 1.6 | 113 |
| 687 | A proposed new type of arsenian pyrite: Composition, nanostructure and geological significance. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2919-2933. | 1.6 | 278 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 688 | Arsenic speciation and turnover in intact organic soil mesocosms during experimental drought and rewetting. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3991-4007. | 1.6 | 58 |
| 689 | Sulfide-driven arsenic mobilization from arsenopyrite and black shale pyrite. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5243-5250. | 1.6 | 46 |
| 690 | Sorption and desorption of arsenate and arsenite on calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5871-5884. | 1.6 | 124 |
| 691 | Geochemical study of arsenic concentrations in groundwater of the Meghna River Delta, Bangladesh. <i>Journal of Geochemical Exploration</i> , 2008, 97, 43-58. | 1.5 | 28 |
| 692 | Arsenic mobilization in shallow aquifers of Datong Basin: Hydrochemical and mineralogical evidences. <i>Journal of Geochemical Exploration</i> , 2008, 98, 107-115. | 1.5 | 113 |
| 693 | Source, transport, and fate of rhenium, selenium, molybdenum, arsenic, and copper in groundwater associated with porphyry Cu deposits, Atacama Desert, Chile. <i>Chemical Geology</i> , 2008, 247, 208-228. | 1.4 | 99 |
| 694 | Hydrological and sedimentary controls leading to arsenic contamination of groundwater in the Hanoi area, Vietnam: The impact of iron-arsenic ratios, peat, river bank deposits, and excessive groundwater abstraction. <i>Chemical Geology</i> , 2008, 249, 91-112. | 1.4 | 227 |
| 695 | The role of silicate in the adsorption/desorption of arsenite on goethite. <i>Chemical Geology</i> , 2008, 252, 125-135. | 1.4 | 90 |
| 696 | Mobility of arsenic and selected metals during re-flooding of iron- and organic-rich acid-sulfate soil. <i>Chemical Geology</i> , 2008, 253, 64-73. | 1.4 | 157 |
| 697 | Geochemical controls of elevated arsenic concentrations in groundwater, Ester Dome, Fairbanks district, Alaska. <i>Chemical Geology</i> , 2008, 255, 160-172. | 1.4 | 51 |
| 698 | Sorption of As(III) and As(V) to siderite, green rust (fougerite) and magnetite: Implications for arsenic release in anoxic groundwaters. <i>Chemical Geology</i> , 2008, 255, 173-181. | 1.4 | 212 |
| 699 | Adsorption and transport of arsenate in carbonate-rich soils: Coupled effects of nonlinear and rate-limited sorption. <i>Chemosphere</i> , 2008, 73, 1300-1307. | 4.2 | 63 |
| 700 | Determination of trace arsenic(III) by differential-pulse anodic stripping voltammetry with <i>in-situ</i> plated bismuth-film electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 51-60. | 1.8 | 23 |
| 701 | Source, Distribution, and Release Mechanisms of Arsenic in the Groundwater of Assam Floodplains of Northeast India. , 2008, , . | | 3 |
| 702 | Arsenic in Groundwater Wells in Quaternary Deposits in the Lower Fraser Valley of British Columbia. <i>Canadian Water Resources Journal</i> , 2008, 33, 397-412. | 0.5 | 6 |
| 703 | Vibrational spectroscopic characterization of some environmentally important organoarsenicals – A guide for understanding the nature of their surface complexes. <i>Canadian Journal of Chemistry</i> , 2008, 86, 942-950. | 0.6 | 33 |
| 704 | A Gel Probe Equilibrium Sampler for Measuring Arsenic Porewater Profiles and Sorption Gradients in Sediments: II. Field Application to Haiwee Reservoir Sediment. <i>Environmental Science & Technology</i> , 2008, 42, 504-510. | 4.6 | 25 |
| 705 | XAS Study of Arsenic Coordination in <i>Euglena gracilis</i> Exposed to Arsenite. <i>Environmental Science & Technology</i> , 2008, 42, 5342-5347. | 4.6 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 706 | Confounding Impacts of Iron Reduction on Arsenic Retention. <i>Environmental Science & Technology</i> , 2008, 42, 4777-4783. | 4.6 | 193 |
| 707 | Geomorphic controls on groundwater arsenic distribution in the Mekong River Delta, Cambodia. <i>Geology</i> , 2008, 36, 891. | 2.0 | 46 |
| 708 | Arsenate Incorporation in Gypsum Probed by Neutron, X-ray Scattering and Density Functional Theory Modeling. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5159-5166. | 1.1 | 47 |
| 709 | Survey of Total and Inorganic Arsenic Content in Blue Mussels (<i>Mytilus edulis</i> L.) from Norwegian Fjords: Revelation of Unusual High Levels of Inorganic Arsenic. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 1269-1273. | 2.4 | 101 |
| 710 | Regulation of Arsenic Mobility on Basaltic Glass Surfaces by Speciation and pH. <i>Environmental Science & Technology</i> , 2008, 42, 8816-8821. | 4.6 | 14 |
| 711 | Determination of Methylated Arsenic-Sulfur Compounds in Groundwater. <i>Environmental Science & Technology</i> , 2008, 42, 228-234. | 4.6 | 76 |
| 712 | Arsenic Transformation and Mobilization from Minerals by the Arsenite Oxidizing Strain WAO. <i>Environmental Science & Technology</i> , 2008, 42, 1423-1429. | 4.6 | 44 |
| 713 | Chronology of Atmospheric Deposition of Arsenic Inferred from Reconstructed Sedimentary Records. <i>Environmental Science & Technology</i> , 2008, 42, 6508-6513. | 4.6 | 41 |
| 714 | Effective Removal of Arsenic with Lanthanum(III)- and Cerium(III)-loaded Orange Waste Gels. <i>Separation Science and Technology</i> , 2008, 43, 2144-2165. | 1.3 | 30 |
| 715 | Reductive Processes Controlling Arsenic Retention: Revealing the Relative Importance of Iron and Arsenic Reduction. <i>Environmental Science & Technology</i> , 2008, 42, 8283-8289. | 4.6 | 212 |
| 716 | Influence of ionic strength, electrolyte type, and NOM on As(V) adsorption onto TiO ₂ . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 430-436. | 0.9 | 32 |
| 717 | Novel Carotenoid-Based Biosensor for Simple Visual Detection of Arsenite: Characterization and Preliminary Evaluation for Environmental Application. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6730-6738. | 1.4 | 50 |
| 718 | Arsenide in a metasomatized peridotite xenolith as a constraint on arsenic behavior in the mantle wedge. <i>American Mineralogist</i> , 2008, 93, 1061-1065. | 0.9 | 19 |
| 719 | Geological Structure of an Arsenic-Contaminated Aquifer at Sonargaon, Bangladesh. <i>Journal of Geology</i> , 2008, 116, 288-302. | 0.7 | 25 |
| 720 | Anthropogenic and natural lead isotopes in Fe-hydroxides and Fe-sulphates in a watershed associated with arsenic-enriched groundwater, Maine, USA. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2008, 8, 77-89. | 0.5 | 6 |
| 721 | Applicability of reused industrial dry sanding powder for adsorption of arsenic. <i>Water Science and Technology</i> , 2008, 58, 1575-1580. | 1.2 | 3 |
| 722 | Geochemical processes contributing to the contamination of soil and surface waters in the Rio Conchos basin, Mexico. , 2008, 4, 600. | | 9 |
| 723 | Groundwater Contamination in Urban Areas. <i>Library for Sustainable Urban Regeneration</i> , 2008, , 125-149. | 0.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 724 | Arsenic Exposure and Prevalence of Type 2 Diabetes in US Adults. JAMA - Journal of the American Medical Association, 2008, 300, 814. | 3.8 | 408 |
| 725 | Multiple Multilocus DNA Barcodes from the Plastid Genome Discriminate Plant Species Equally Well. PLoS ONE, 2008, 3, e2802. | 1.1 | 526 |
| 726 | Measuring Arsenic Exposure, Metabolism, and Biological Effects: The Role of Urine Proteomics. Toxicological Sciences, 2008, 106, 1-4. | 1.4 | 13 |
| 727 | Finding regional co-location patterns for sets of continuous variables in spatial datasets. , 2008, , . | | 45 |
| 728 | Biosorption Kinetics and Thermodynamics of Arsenate and Arsenite on Spent Grains. , 2008, , . | | 0 |
| 729 | Applying the Common Sense Model to Measure Representations of Arsenic Contaminated Well Water. Journal of Health Communication, 2008, 13, 538-554. | 1.2 | 12 |
| 730 | ARSENATE SORPTION BY HYDROUS FERRIC OXIDE INCORPORATED ONTO GRANULAR ACTIVATED CARBON WITH PHENOL FORMALDEHYDE RESINS COATING. Environmental Technology (United Kingdom), 2008, 29, 401-411. | 1.2 | 26 |
| 731 | A logistic regression method for mapping the As hazard risk in shallow, reducing groundwaters in Cambodia. Mineralogical Magazine, 2008, 72, 437-440. | 0.6 | 6 |
| 733 | The origin of arsenic in waters and sediments from Papallacta lake area in Ecuador. Arsenic in the Environment, 2008, , 81-90. | 0.0 | 2 |
| 734 | Oxidation States of Antimony and Arsenic in Marine Ferromanganese Oxides Related to Their Fractionation in Oxidic Marine Environment. Chemistry Letters, 2008, 37, 756-757. | 0.7 | 14 |
| 736 | Removal of Arsenate in Acid Mine Drainage by a Permeable Reactive Barrier Bearing Granulated Blast Furnace Slag: Column Study. Materials Transactions, 2008, 49, 835-844. | 0.4 | 13 |
| 737 | Immobilization of Arsenic and Manganese in Contaminated Groundwater by Permeable Reactive Barriers Using Zero Valent Iron and Sheep Manure. Materials Transactions, 2008, 49, 2265-2274. | 0.4 | 19 |
| 738 | A precipitation method for arsenite ion in aqueous solution as natural mineral by hydrothermal mineralization. Journal of the Ceramic Society of Japan, 2008, 116, 234-238. | 0.5 | 4 |
| 740 | Speciation studies in understanding high As content in ground water. Mineralogical Magazine, 2008, 72, 507-511. | 0.6 | 2 |
| 741 | Arsenic removal using oxidative media and nanofiltration. Journal - American Water Works Association, 2008, 100, 74-83. | 0.2 | 14 |
| 742 | COMPETITIVE SORPTION-DESORPTION KINETICS OF ARSENATE AND PHOSPHATE IN SOILS. Soil Science, 2008, 173, 3-12. | 0.9 | 43 |
| 743 | Mineral sources and transport pathways for arsenic release in a coastal watershed, USA. Geochemistry: Exploration, Environment, Analysis, 2008, 8, 59-75. | 0.5 | 23 |
| 745 | New Tool RhizoMath for Modeling Coupled Transport and Speciation in the Rhizosphere. Vadose Zone Journal, 2008, 7, 712-720. | 1.3 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 746 | Potential Negative Consequences of Adding Phosphorus-Based Fertilizers to Immobilize Lead in Soil. <i>Journal of Environmental Quality</i> , 2008, 37, 1733-1740. | 1.0 | 63 |
| 747 | Inorganic Arsenic and Human Prostate Cancer. <i>Environmental Health Perspectives</i> , 2008, 116, 158-164. | 2.8 | 167 |
| 748 | Reconnaissance Survey of Arsenic Concentration in Ground-water in South-eastern Ghana. <i>West African Journal of Applied Ecology</i> , 2008, 13, . | 0.1 | 6 |
| 749 | Iron oxide-coated fibrous sorbents for arsenic removal. <i>Journal - American Water Works Association</i> , 2008, 100, 151. | 0.2 | 24 |
| 750 | Did nature also choose arsenic?. <i>Nature Precedings</i> , 2008, , . | 0.1 | 2 |
| 751 | Quantitative micro-PIXE analysis of heavy-metal-rich framboidal pyrite. <i>Journal of Mineralogical and Petrological Sciences</i> , 2008, 103, 131-134. | 0.4 | 7 |
| 752 | Biogeochemical Mechanisms of Arsenic Mobilization and Sequestration. , 0, , 95-121. | | 1 |
| 753 | Nanoparticles for Treatment of Arsenic. , 2009, , 116-136. | | 0 |
| 754 | Evaluation of urinary arsenic as an indicator of exposure to residents of Tarkwa, Ghana. <i>West African Journal of Applied Ecology</i> , 2009, 12, . | 0.1 | 2 |
| 755 | Impact of Structural Perturbation of Aluminum Hydroxides by Tannate on Arsenate Adsorption. <i>Soil Science Society of America Journal</i> , 2009, 73, 1664-1675. | 1.2 | 6 |
| 758 | Speciation and bioavailability of soil nutrients: effect on crop production and environment. <i>Italian Journal of Agronomy</i> , 2009, 4, 23. | 0.4 | 1 |
| 759 | Inorganic arsenic and human prostate cancer. <i>Ciencia E Saude Coletiva</i> , 2009, 14, 307-318. | 0.1 | 3 |
| 760 | Arsenic in Water Resources of the Southern Pampa Plains, Argentina. <i>Journal of Environmental and Public Health</i> , 2009, 2009, 1-7. | 0.4 | 13 |
| 761 | Arsenic contamination levels in drinking water sources in mining areas in Lake Victoria Basin, Tanzania, and its removal using stabilized ferralsols. <i>International Journal of Biological and Chemical Sciences</i> , 2009, 2, . | 0.1 | 1 |
| 762 | Arsenic Speciation in Sediments of Poyang Lake and Its Main Branches. , 2009, , . | | 0 |
| 763 | Removal of As(V) and As(III) from Aqueous Solution Using Hydrous Ceric Oxide. , 2009, , . | | 0 |
| 764 | Analysis of Arsenic in Soil and Vegetation of a Contaminated Area in Zarshuran, Iran. <i>International Journal of Phytoremediation</i> , 2009, 12, 159-173. | 1.7 | 55 |
| 765 | Field quantification and characterisation of extreme arsenic concentrations at a historic mine processing site, Waiuta, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2009, 52, 261-272. | 1.0 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 766 | Acute and Subchronic Toxicity of Arsenite and Zinc to Tadpoles of <i>Rhinella arenarum</i> Both Alone and in Combination. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 884-890. | 1.1 | 14 |
| 767 | Human exposure to arsenic from groundwater in the Red River and Mekong River Deltas in Vietnam. <i>International Journal of Environmental Studies</i> , 2009, 66, 49-57. | 0.7 | 13 |
| 768 | Redox trapping of arsenic during groundwater discharge in sediments from the Meghna riverbank in Bangladesh. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16930-16935. | 3.3 | 79 |
| 769 | Chapter 3 Biogeochemical Processes Controlling the Fate and Transport of Arsenic. <i>Advances in Agronomy</i> , 2009, 104, 137-164. | 2.4 | 50 |
| 770 | Arsenic and zinc in impoundment materials and related stream sediments from a polluted area in Eastern Slovakia: distribution, mobility, and water quality. <i>Journal of Hydrology and Hydromechanics</i> , 2009, 57, . | 0.7 | 3 |
| 771 | Introduction to Medical Geology. , 2009, , . | | 76 |
| 772 | Functional Roles of <i>arcA</i> , <i>etrA</i> , Cyclic AMP (cAMP)-cAMP Receptor Protein, and <i>cya</i> in the Arsenate Respiration Pathway in <i>Shewanella</i> sp. Strain ANA-3. <i>Journal of Bacteriology</i> , 2009, 191, 1035-1043. | 1.0 | 25 |
| 773 | Magnetic Zeolite as Arsenic Sorbent. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 51-59. | 0.1 | 3 |
| 774 | Mineralogy and Paragenesis of the Co-Ni Arsenide Ores of Bou Azzer, Anti-Atlas, Morocco. <i>Economic Geology</i> , 2009, 104, 249-266. | 1.8 | 77 |
| 775 | Urine Arsenic Concentrations and Species Excretion Patterns in American Indian Communities Over a 10-year Period: The Strong Heart Study. <i>Environmental Health Perspectives</i> , 2009, 117, 1428-1433. | 2.8 | 132 |
| 776 | Uptake, Translocation, and Transformation of Arsenic by Four Fern Species in Arsenic-Spiked Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 3420-3434. | 0.6 | 2 |
| 777 | Direct Arsenic Determination in Exposed Embryos of Zebrafish (<i>Danio rerio</i>) with Zeeman Electrothermal Atomic Absorption Spectrophotometry. <i>Spectroscopy Letters</i> , 2009, 42, 363-369. | 0.5 | 4 |
| 778 | Distribution of arsenic in soils in a dump area in Tuscany (Scarlino, Follonica). <i>Toxicology and Industrial Health</i> , 2009, 25, 343-349. | 0.6 | 3 |
| 779 | The Role of Indigenous Microorganisms in the Biodegradation of Naturally Occurring Petroleum, the Reduction of Iron, and the Mobilization of Arsenite from West Bengal Aquifer Sediments. <i>Journal of Environmental Quality</i> , 2009, 38, 1598-1607. | 1.0 | 78 |
| 780 | Lake sediment phosphorus release management—Decision support and risk assessment framework. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2009, 43, 819-856. | 0.8 | 125 |
| 781 | Did nature also choose arsenic?. <i>International Journal of Astrobiology</i> , 2009, 8, 69-74. | 0.9 | 64 |
| 782 | Removal of arsenate and 17 β -ethinyl estradiol (EE2) by iron (hydr)oxide modified activated carbon fibers. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 354-361. | 0.9 | 44 |
| 783 | Nanoscale "liquid" inclusions of As-Fe-S in arsenian pyrite. <i>American Mineralogist</i> , 2009, 94, 391-394. | 0.9 | 53 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 784 | Gold-oxysulphides in copper deposits of the Greywacke Zone, Austria: A mineral chemical and infrared fluid inclusion study. <i>Ore Geology Reviews</i> , 2009, 35, 87-100. | 1.1 | 10 |
| 785 | Arsenic retention and release in ombrotrophic peatlands. <i>Science of the Total Environment</i> , 2009, 407, 1405-1417. | 3.9 | 59 |
| 786 | Deconvolution of trace element (As, Cr, Mo, Th, U) sources and pathways to surface waters of a gold mining-influenced watershed. <i>Science of the Total Environment</i> , 2009, 407, 2063-2076. | 3.9 | 26 |
| 787 | Arsenic speciation in the freshwater crayfish, <i>Cherax destructor</i> Clark. <i>Science of the Total Environment</i> , 2009, 407, 2650-2658. | 3.9 | 38 |
| 788 | Geochemistry of redox-sensitive elements and sulfur isotopes in the high arsenic groundwater system of Datong Basin, China. <i>Science of the Total Environment</i> , 2009, 407, 3823-3835. | 3.9 | 117 |
| 789 | Selenium and trace element mobility affected by periodic displacement of stratification in the Great Salt Lake, Utah. <i>Science of the Total Environment</i> , 2009, 407, 5263-5273. | 3.9 | 23 |
| 790 | Genetic polymorphisms in AS3MT and arsenic metabolism in residents of the Red River Delta, Vietnam. <i>Toxicology and Applied Pharmacology</i> , 2009, 236, 131-141. | 1.3 | 61 |
| 791 | Biogeochemical controls of arsenic occurrence and mobility in the Indian Sundarban mangrove ecosystem. <i>Marine Pollution Bulletin</i> , 2009, 58, 652-657. | 2.3 | 26 |
| 792 | Solubility enhancement of seven metal contaminants using carboxymethyl- β -cyclodextrin (CMCD). <i>Journal of Contaminant Hydrology</i> , 2009, 107, 108-113. | 1.6 | 30 |
| 793 | A detailed field-based evaluation of naphthenic acid mobility in groundwater. <i>Journal of Contaminant Hydrology</i> , 2009, 108, 89-106. | 1.6 | 36 |
| 794 | Mobility of arsenic in the sub-surface environment: An integrated hydrogeochemical study and sorption model of the sandy aquifer materials. <i>Journal of Hydrology</i> , 2009, 364, 236-248. | 2.3 | 73 |
| 795 | Combining particle-tracking and geochemical data to assess public supply well vulnerability to arsenic and uranium. <i>Journal of Hydrology</i> , 2009, 376, 132-142. | 2.3 | 11 |
| 796 | Conservative behavior of arsenic and other oxyanion-forming trace elements in an oxic groundwater flow system. <i>Journal of Hydrology</i> , 2009, 378, 13-28. | 2.3 | 50 |
| 797 | Geological controls on groundwater chemistry and arsenic mobilization: Hydrogeochemical study along an E-W transect in the Meghna basin, Bangladesh. <i>Journal of Hydrology</i> , 2009, 378, 105-118. | 2.3 | 43 |
| 798 | Competitive and cooperative adsorption of arsenate and citrate on goethite. <i>Journal of Environmental Sciences</i> , 2009, 21, 106-112. | 3.2 | 29 |
| 799 | Appendix D: Locations of Significant Arsenic Contamination. , 0, , 495-543. | | 0 |
| 800 | Arsenic Chemistry. , 0, , 9-68. | | 14 |
| 801 | Arsenic in Natural Environments. , 0, , 69-235. | | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 803 | Phytoremediation of Sb, As, Cu, and Zn from Contaminated Water by the Aquatic Macrophyte <i>Eleocharis acicularis</i> . <i>Clean - Soil, Air, Water</i> , 2009, 37, 720-725. | 0.7 | 45 |
| 804 | Systematic engineering of phytochelatin synthesis and arsenic transport for enhanced arsenic accumulation in <i>E. coli</i> . <i>Biotechnology and Bioengineering</i> , 2010, 105, 780-785. | 1.7 | 32 |
| 805 | Humic acid/polypyrrole on a paraffin-impregnated graphite electrode and its use in arsenic extraction. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3619-3629. | 1.3 | 13 |
| 806 | Influence of hydrostratigraphy and structural setting on the arsenic occurrence in groundwater of the Cimino-Vico volcanic area (central Italy). <i>Hydrogeology Journal</i> , 2009, 17, 901-914. | 0.9 | 66 |
| 807 | Isolation and characterization of arsenic resistant bacteria from tannery wastes and agricultural soils in Thailand. <i>Annals of Microbiology</i> , 2009, 59, 649-656. | 1.1 | 28 |
| 808 | Effects of arsenate on the growth and microcystin production of <i>Microcystis aeruginosa</i> isolated from Taiwan as influenced by extracellular phosphate. <i>Journal of Applied Phycology</i> , 2009, 21, 225-231. | 1.5 | 26 |
| 809 | As(V) remediation using electrochemically synthesized maghemite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1981-1989. | 0.8 | 54 |
| 810 | Influence of groundwater recharge and well characteristics on dissolved arsenic concentrations in southeastern Michigan groundwater. <i>Environmental Geochemistry and Health</i> , 2009, 31, 147-157. | 1.8 | 8 |
| 811 | Sediment geochemistry and arsenic mobilization in shallow aquifers of the Datong basin, northern China. <i>Environmental Geochemistry and Health</i> , 2009, 31, 493-502. | 1.8 | 22 |
| 812 | Accumulation of iron and arsenic in the Chandina alluvium of the lower delta plain, Southeastern Bangladesh. <i>Environmental Geochemistry and Health</i> , 2009, 31, 69-84. | 1.8 | 14 |
| 813 | Groundwater chemistry and arsenic mobilization in the Holocene flood plains in south-central Bangladesh. <i>Environmental Geochemistry and Health</i> , 2009, 31, 23-43. | 1.8 | 65 |
| 814 | Arsenic contamination in groundwater in the Southeast Asia region. <i>Environmental Geochemistry and Health</i> , 2009, 31, 9-21. | 1.8 | 178 |
| 815 | Toxicity of tri- and penta-valent arsenic, alone and in combination, to the cladoceran <i>Daphnia carinata</i> : the influence of microbial transformation in natural waters. <i>Environmental Geochemistry and Health</i> , 2009, 31, 133-141. | 1.8 | 32 |
| 816 | Assessment of natural arsenic in groundwater in Cordoba Province, Argentina. <i>Environmental Geochemistry and Health</i> , 2009, 31, 673-682. | 1.8 | 40 |
| 817 | Soils and geomedicine. <i>Environmental Geochemistry and Health</i> , 2009, 31, 523-535. | 1.8 | 61 |
| 818 | Influence of geology on arsenic concentrations in ground and surface water in central Lesvos, Greece. <i>Environmental Monitoring and Assessment</i> , 2009, 151, 383-396. | 1.3 | 27 |
| 819 | Arsenic content in ground and canal waters of Punjab, North-West India. <i>Environmental Monitoring and Assessment</i> , 2009, 154, 393-400. | 1.3 | 34 |
| 820 | Arsenic Removal from Dilute Solutions by High Surface Area Mesoporous Iron Oxyhydroxide. <i>Water, Air and Soil Pollution</i> , 2009, 9, 203-211. | 0.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 821 | Quantitative Comparison of Heavy Metals and As Accumulation in Agricultural and Forest Soils near Bowling Green, Ohio. <i>Water, Air, and Soil Pollution</i> , 2009, 197, 289-301. | 1.1 | 11 |
| 822 | Influence of Phosphate on the Arsenic Uptake by Wheat (<i>Triticum durum</i> L.) Irrigated with Arsenic Solutions at Three Different Concentrations. <i>Water, Air, and Soil Pollution</i> , 2009, 197, 371-380. | 1.1 | 92 |
| 823 | Enhancement of Arsenic(III) Sequestration by Manganese Oxides in the Presence of Iron(II). <i>Water, Air, and Soil Pollution</i> , 2009, 203, 359-368. | 1.1 | 42 |
| 824 | Arsenic Risk Assessment: The Importance of Speciation in Different Hydrologic Systems. <i>Water, Air, and Soil Pollution</i> , 2009, 204, 385-398. | 1.1 | 16 |
| 825 | The Association Between Arsenic and Children's Intelligence: A Meta-analysis. <i>Biological Trace Element Research</i> , 2009, 129, 88-93. | 1.9 | 28 |
| 826 | Biological and Microcalorimetric Studies of the Toxic Effect of Organoarsenic(V) Compounds to Wild Strain of <i>Bacillus thuringiensis</i> . <i>Biological Trace Element Research</i> , 2009, 131, 192-203. | 1.9 | 2 |
| 827 | Groundwater Arsenic Contamination, Its Health Effects and Approach for Mitigation in West Bengal, India and Bangladesh. <i>Water Quality, Exposure, and Health</i> , 2009, 1, 5-21. | 1.5 | 62 |
| 828 | Trace elements in streambed sediments of floodplains: consequences for water management measures. <i>Environmental Earth Sciences</i> , 2009, 59, 25-38. | 1.3 | 6 |
| 829 | Multivariate optimization and simultaneous determination of hydride and non-hydride-forming elements in samples of a wide pH range using dual-mode sample introduction with plasma techniques: application on leachates from cement mortar material. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1015-1024. | 1.9 | 24 |
| 830 | Development of bacteria-based bioassays for arsenic detection in natural waters. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 687-693. | 1.9 | 72 |
| 831 | Arsenite transport in plants. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 2329-2339. | 2.4 | 127 |
| 832 | Determination of Toxic Trace Elements in Foodstuffs, Soils and Sediments of Bangladesh Using Instrumental Neutron Activation Analysis Technique. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 82, 384-388. | 1.3 | 14 |
| 833 | Arsenic Resistant Bacteria Isolated from Arsenic Contaminated River in the Atacama Desert (Chile). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 83, 657-661. | 1.3 | 68 |
| 834 | Sources of Arsenic and Fluoride in Highly Contaminated Soils Causing Groundwater Contamination in Punjab, Pakistan. <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 56, 693-706. | 2.1 | 92 |
| 835 | Hydraulic, textural and geochemical characteristics of the Ajali Formation, Anambra Basin, Nigeria: implication for groundwater quality. <i>Environmental Geology</i> , 2009, 56, 935-951. | 1.2 | 16 |
| 836 | Study of subsurface geology in locating arsenic-free groundwater in Bengal delta, West Bengal, India. <i>Environmental Geology</i> , 2009, 56, 1211-1225. | 1.2 | 42 |
| 837 | Speciation and enrichment of arsenic in strongly reducing shallow aquifers at western Hetao Plain, northern China. <i>Environmental Geology</i> , 2009, 56, 1467-1477. | 1.2 | 67 |
| 838 | A case-study of complex gas-water-rock pollutants interactions in shallow groundwater: Åalek Valley (Slovenia). <i>Environmental Geology</i> , 2009, 57, 75-89. | 1.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 839 | Arsenic and fluoride in a loess aquifer in the central area of Argentina. <i>Environmental Geology</i> , 2009, 57, 143-155. | 1.2 | 107 |
| 840 | Geochemistry and mineralogy of shallow alluvial aquifers in Daudkandi upazila in the Meghna flood plain, Bangladesh. <i>Environmental Geology</i> , 2009, 57, 499. | 1.2 | 33 |
| 841 | A procedure to identify natural arsenic sources, applied in an affected area in North Rhine-Westphalia, Germany. <i>Environmental Geology</i> , 2009, 57, 775. | 1.2 | 17 |
| 842 | Geographical distribution of arsenic in sediments within the Rio Conchos Basin, Mexico. <i>Environmental Geology</i> , 2009, 57, 929-935. | 1.2 | 17 |
| 843 | Microcosm studies on iron and arsenic mobilization from aquifer sediments under different conditions of microbial activity and carbon source. <i>Environmental Geology</i> , 2009, 57, 997. | 1.2 | 29 |
| 844 | Geochemical and environmental magnetic characteristics of high arsenic aquifer sediments from Datong Basin, northern China. <i>Environmental Geology</i> , 2009, 58, 45-52. | 1.2 | 20 |
| 845 | Groundwater contamination with arsenic in Sherajdikhan, Bangladesh: geochemical and hydrological implications. <i>Environmental Geology</i> , 2009, 58, 73-84. | 1.2 | 37 |
| 846 | Mathematical modeling of biologically mediated redox processes of iron and arsenic release in groundwater. <i>Environmental Geology</i> , 2009, 58, 459. | 1.2 | 11 |
| 847 | Occurrence, distribution and source of arsenic in deep groundwater wells in Maydavood area, southwestern Iran. <i>Environmental Geology</i> , 2009, 58, 727-737. | 1.2 | 6 |
| 848 | Environmental assessment of the arsenic-rich, Rodalquilar gold-copper-lead-zinc mining district, SE Spain: data from soils and vegetation. <i>Environmental Geology</i> , 2009, 58, 761. | 1.2 | 21 |
| 849 | Geochemical distribution of arsenic, cadmium, lead and zinc in river sediments affected by tailings in Zimapán, a historical polymetallic mining zone of Mexico. <i>Environmental Geology</i> , 2009, 58, 1467. | 1.2 | 36 |
| 850 | Effects of arsenate on microcystin content and leakage of <i>Microcystis</i> strain PCC7806 under various phosphate regimes. <i>Environmental Toxicology</i> , 2009, 24, 87-94. | 2.1 | 16 |
| 851 | Effect of aqueous extracts of black and green teas in arsenic-induced toxicity in rabbits. <i>Phytotherapy Research</i> , 2009, 23, 1603-1608. | 2.8 | 14 |
| 852 | Arsenic-resistant bacteria isolated from agricultural soils of Bangladesh and characterization of arsenate-reducing strains. <i>Journal of Applied Microbiology</i> , 2009, 107, 145-156. | 1.4 | 90 |
| 853 | Model for the formation of arsenic contamination in groundwater. 1. Datong Basin, China. <i>Geochemistry International</i> , 2009, 47, 713-724. | 0.2 | 11 |
| 854 | Model for the formation of arsenic contamination in groundwater: 2. Influence of sorption. <i>Geochemistry International</i> , 2009, 47, 979-987. | 0.2 | 6 |
| 855 | MNA as a Remedy for Arsenic Mobilized by Anthropogenic Inputs of Organic Carbon. <i>Ground Water Monitoring and Remediation</i> , 2009, 29, 84-92. | 0.6 | 18 |
| 856 | Molecular characterization and in situ quantification of anoxic arsenite-oxidizing denitrifying enrichment cultures. <i>FEMS Microbiology Ecology</i> , 2009, 68, 72-85. | 1.3 | 51 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 857 | Genetic diversity and relatedness of rice cultivars resistant to straighthead disorder. <i>Plant Breeding</i> , 2010, 129, 304-312. | 1.0 | 17 |
| 858 | Redox cycling of arsenic by the hydrothermal marine bacterium <i>Marinobacter santoriniensis</i> . <i>Environmental Microbiology</i> , 2009, 11, 1601-1611. | 1.8 | 45 |
| 859 | Community and participation in water resources management: gendering and naturing development debates from Bangladesh. <i>Transactions of the Institute of British Geographers</i> , 2009, 34, 346-363. | 1.8 | 83 |
| 860 | Enhanced removal of arsenite from water by a mesoporous hybrid material "Thiol-functionalized silica coated activated alumina. <i>Microporous and Mesoporous Materials</i> , 2009, 124, 1-7. | 2.2 | 52 |
| 861 | Arsenic removal using hydrous nanostructure iron(III)-titanium(IV) binary mixed oxide from aqueous solution. <i>Journal of Hazardous Materials</i> , 2009, 161, 884-892. | 6.5 | 219 |
| 862 | Experimental study of arsenic removal by direct contact membrane distillation. <i>Journal of Hazardous Materials</i> , 2009, 163, 874-879. | 6.5 | 107 |
| 863 | Mechanism of arsenate mobilization from goethite by aliphatic carboxylic acid. <i>Journal of Hazardous Materials</i> , 2009, 163, 1129-1133. | 6.5 | 23 |
| 864 | Arsenic removal by a waste metal (hydr)oxide entrapped into calcium alginate beads. <i>Journal of Hazardous Materials</i> , 2009, 164, 533-541. | 6.5 | 108 |
| 865 | Hydrogeochemistry and arsenic contamination of groundwater in the Ganges Delta Plain, Bangladesh. <i>Journal of Hazardous Materials</i> , 2009, 164, 1335-1345. | 6.5 | 103 |
| 866 | Biosorption of As(III) and As(V) from aqueous solution by macrofungus (<i>Inonotus hispidus</i>) biomass: Equilibrium and kinetic studies. <i>Journal of Hazardous Materials</i> , 2009, 164, 1372-1378. | 6.5 | 130 |
| 867 | Characterization of biosorption process of As(III) on green algae <i>Ulothrix cylindricum</i> . <i>Journal of Hazardous Materials</i> , 2009, 165, 566-572. | 6.5 | 158 |
| 868 | Arsenic stabilization on water treatment residuals by calcium addition. <i>Journal of Hazardous Materials</i> , 2009, 165, 599-603. | 6.5 | 59 |
| 869 | Geochemical processes controlling fate and transport of arsenic in acid mine drainage (AMD) and natural systems. <i>Journal of Hazardous Materials</i> , 2009, 165, 13-26. | 6.5 | 366 |
| 870 | Determination of arsenic removal efficiency by ferric ions using response surface methodology. <i>Journal of Hazardous Materials</i> , 2009, 166, 796-801. | 6.5 | 91 |
| 871 | Sorption of arsenate and dichromate on polymerin, Fe(OH)-polymerin complex and ferrihydrite. <i>Journal of Hazardous Materials</i> , 2009, 166, 1174-1179. | 6.5 | 26 |
| 872 | As(V) adsorption on maghemite nanoparticles. <i>Journal of Hazardous Materials</i> , 2009, 166, 1415-1420. | 6.5 | 368 |
| 873 | Arsenic fractionation in sediments of different origins using BCR sequential and single extraction methods. <i>Journal of Hazardous Materials</i> , 2009, 167, 745-751. | 6.5 | 115 |
| 874 | Preparation and evaluation of thiol-functionalized activated alumina for arsenite removal from water. <i>Journal of Hazardous Materials</i> , 2009, 167, 1215-1221. | 6.5 | 45 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 875 | Perspectives of low cost arsenic remediation of drinking water in Pakistan and other countries. <i>Journal of Hazardous Materials</i> , 2009, 168, 1-12. | 6.5 | 155 |
| 876 | Size effects of nanocrystalline TiO ₂ on As(V) and As(III) adsorption and As(III) photooxidation. <i>Journal of Hazardous Materials</i> , 2009, 168, 747-752. | 6.5 | 48 |
| 877 | Adsorption behavior and mechanism of arsenate at Fe-Mn binary oxide/water interface. <i>Journal of Hazardous Materials</i> , 2009, 168, 820-825. | 6.5 | 194 |
| 878 | Simultaneous photocatalytic oxidation of As(III) and humic acid in aqueous TiO ₂ suspensions. <i>Journal of Hazardous Materials</i> , 2009, 169, 376-385. | 6.5 | 25 |
| 879 | Mechanisms of arsenic and lead release from hydrothermally altered rock. <i>Journal of Hazardous Materials</i> , 2009, 169, 980-990. | 6.5 | 112 |
| 880 | Adsorption of As(V) from water using Mg-Fe-based hydrotalcite (FeHT). <i>Journal of Hazardous Materials</i> , 2009, 171, 665-670. | 6.5 | 98 |
| 881 | Electrokinetic remediation of arsenate spiked soil assisted by CNT-Co barrier-The effect of barrier position and processing fluid. <i>Journal of Hazardous Materials</i> , 2009, 171, 563-570. | 6.5 | 31 |
| 882 | Synthesis of mesostructured ferric oxyhydroxides templated by alkyl surfactants: Effect of pH, F ⁺ and solvents, and their adsorption isotherms for As(V). <i>Microporous and Mesoporous Materials</i> , 2009, 123, 177-184. | 2.2 | 18 |
| 883 | Sorption/desorption of arsenate on/from Mg-Al layered double hydroxides: Influence of phosphate. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 63-70. | 5.0 | 99 |
| 884 | Normalization, comparison, and scaling of adsorption data: Arsenate and goethite. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 6-13. | 5.0 | 9 |
| 885 | Fe-Mn binary oxide incorporated into diatomite as an adsorbent for arsenite removal: Preparation and evaluation. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 353-358. | 5.0 | 99 |
| 886 | Accumulation, speciation, and coordination of arsenic in an inbred line and a wild type cultivar of the desert plant species <i>Chilopsis linearis</i> (Desert willow). <i>Phytochemistry</i> , 2009, 70, 540-545. | 1.4 | 15 |
| 887 | Effect of synthesis conditions on nano-iron (hydr)oxide impregnated granulated activated carbon. <i>Chemical Engineering Journal</i> , 2009, 146, 237-243. | 6.6 | 102 |
| 888 | Sorption and speciation of arsenic by zero-valent iron. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 347, 8-17. | 2.3 | 49 |
| 889 | Mechanism of arsenic sorption onto laterite iron concretions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 337, 164-172. | 2.3 | 22 |
| 890 | Removal of As(III) and As(V) by natural and synthetic metal oxides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 346, 202-207. | 2.3 | 33 |
| 891 | Phosphate desorption kinetics from goethite as induced by arsenate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 348, 221-227. | 2.3 | 13 |
| 892 | Arsenic metabolism by microbes in nature and the impact on arsenic remediation. <i>Current Opinion in Biotechnology</i> , 2009, 20, 659-667. | 3.3 | 166 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 893 | Trace elements as geochemical markers for surface waters and groundwaters of the Var River catchment (Alpes Maritimes, France). <i>Comptes Rendus Chimie</i> , 2009, 12, 922-932. | 0.2 | 18 |
| 894 | Enhanced As(III) removal with permanganate oxidation, ferric chloride precipitation and sand filtration as pretreatment of ultrafiltration. <i>Desalination</i> , 2009, 243, 122-131. | 4.0 | 24 |
| 895 | Impact of speciation on fluoride, arsenic and magnesium retention by nanofiltration/reverse osmosis in remote Australian communities. <i>Desalination</i> , 2009, 248, 177-183. | 4.0 | 45 |
| 896 | Subsurface arsenic removal for small-scale application in developing countries. <i>Desalination</i> , 2009, 248, 241-248. | 4.0 | 16 |
| 897 | Developing groundwater for secure rural water supplies in Africa. <i>Desalination</i> , 2009, 248, 546-556. | 4.0 | 90 |
| 898 | Arsenic removal through adsorption, sand filtration and ultrafiltration: In situ precipitated ferric and manganese binary oxides as adsorbents. <i>Desalination</i> , 2009, 249, 1233-1237. | 4.0 | 45 |
| 899 | Accumulation of arsenic in different fresh water fish species – potential contribution to high arsenic intakes. <i>Food Chemistry</i> , 2009, 112, 520-524. | 4.2 | 108 |
| 900 | Hemimicelle capped functionalized carbon nanotubes-based nanosized solid-phase extraction of arsenic from environmental water samples. <i>Analytica Chimica Acta</i> , 2009, 631, 182-188. | 2.6 | 72 |
| 901 | Voltammetric methods for determination and speciation of inorganic arsenic in the environment – A review. <i>Analytica Chimica Acta</i> , 2009, 646, 6-16. | 2.6 | 178 |
| 902 | Adsorption of arsenic to magnetite nanoparticles: Effect of particle concentration, pH, ionic strength, and temperature. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 509-515. | 2.2 | 142 |
| 903 | Speciation of Arsenic in <i>Euglena gracilis</i> Cells Exposed to As(V). <i>Environmental Science & Technology</i> , 2009, 43, 3315-3321. | 4.6 | 27 |
| 904 | Arsenic Redox Changes by Microbially and Chemically Formed Semiquinone Radicals and Hydroquinones in a Humic Substance Model Quinone. <i>Environmental Science & Technology</i> , 2009, 43, 3639-3645. | 4.6 | 129 |
| 905 | Sorption Characteristics of Arsenic(V) for Removal from Water Using Agglomerated Nanostructure Iron(III)-Zirconium(IV) Bimetal Mixed Oxide. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 2222-2228. | 1.0 | 65 |
| 906 | Iodide-Mediated Photooxidation of Arsenite under 254 nm Irradiation. <i>Environmental Science & Technology</i> , 2009, 43, 3784-3788. | 4.6 | 45 |
| 907 | Natural Attenuation of Arsenic by Sediment Sorption and Oxidation. <i>Environmental Science & Technology</i> , 2009, 43, 4253-4259. | 4.6 | 24 |
| 908 | Macroscopic and X-ray Photoelectron Spectroscopic Investigation of Interactions of Arsenic with Synthesized Pyrite. <i>Environmental Science & Technology</i> , 2009, 43, 2899-2904. | 4.6 | 70 |
| 909 | Spatial Pattern of Groundwater Arsenic Occurrence and Association with Bedrock Geology in Greater Augusta, Maine. <i>Environmental Science & Technology</i> , 2009, 43, 2714-2719. | 4.6 | 48 |
| 910 | Field, Laboratory, and Modeling Study of Reactive Transport of Groundwater Arsenic in a Coastal Aquifer. <i>Environmental Science & Technology</i> , 2009, 43, 5333-5338. | 4.6 | 52 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 911 | Mobilisation and transport of arsenic and antimony in the adjacent environment of Yata gold mine, Guizhou province, China. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1570. | 2.1 | 25 |
| 912 | Arsenic inhibits in vitro spermatogenesis and induces germ cell apoptosis in Japanese eel (<i>Anguilla</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 1.1 30 | 1.1 | 30 |
| 913 | The use of fluoride as a natural tracer in water and the relationship to geological features: examples from the Animas River Watershed, San Juan Mountains, Silverton, Colorado. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2009, 9, 125-138. | 0.5 | 5 |
| 914 | Emissions of Inorganic and Organic Arsenic Compounds via the Leachate Pathway from Pretreated Municipal Waste Materials: A Landfill Reactor Study. <i>Environmental Science & Technology</i> , 2009, 43, 7092-7097. | 4.6 | 29 |
| 915 | Geochemistry of soils, stream sediments and waters close to abandoned Wâ€™Auâ€™Sb mines at Sarzedas, Castelo Branco, central Portugal. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2009, 9, 341-352. | 0.5 | 7 |
| 916 | Effect of Groundwater Iron and Phosphate on the Efficacy of Arsenic Removal by Iron-Amended BioSand Filters. <i>Environmental Science & Technology</i> , 2009, 43, 6295-6300. | 4.6 | 87 |
| 917 | Arsenite and Ferrous Iron Oxidation Linked to Chemolithotrophic Denitrification for the Immobilization of Arsenic in Anoxic Environments. <i>Environmental Science & Technology</i> , 2009, 43, 6585-6591. | 4.6 | 80 |
| 918 | Arsenic and other trace elements contamination in groundwater and a risk assessment study for the residents in the Kandal Province of Cambodia. <i>Environment International</i> , 2009, 35, 455-460. | 4.8 | 77 |
| 919 | Arsenic mobilization from iron oxyhydroxides is regulated by organic matter carbon to nitrogen (C:N) ratio. <i>Environment International</i> , 2009, 35, 480-484. | 4.8 | 30 |
| 920 | Arsenic geochemistry, transport mechanism in the soilâ€™plant system, human and animal health issues. <i>Environment International</i> , 2009, 35, 453-454. | 4.8 | 29 |
| 921 | Aquatic arsenic: Toxicity, speciation, transformations, and remediation. <i>Environment International</i> , 2009, 35, 743-759. | 4.8 | 913 |
| 922 | Arsenic in contaminated waters: Biogeochemical cycle, microbial metabolism and biotreatment processes. <i>Biochimie</i> , 2009, 91, 1229-1237. | 1.3 | 167 |
| 923 | Relationship of urinary arsenic metabolites to intake estimates in residents of the Red River Delta, Vietnam. <i>Environmental Pollution</i> , 2009, 157, 396-403. | 3.7 | 55 |
| 924 | Remediation of organic and inorganic arsenic contaminated groundwater using a nanocrystalline TiO ₂ -based adsorbent. <i>Environmental Pollution</i> , 2009, 157, 2514-2519. | 3.7 | 59 |
| 925 | Environmental impact of As(V)â€™Fe oxyhydroxide reductive dissolution: An experimental insight. <i>Chemical Geology</i> , 2009, 259, 290-303. | 1.4 | 27 |
| 926 | Chemical and structural characterization of As immobilization by nanoparticles of mackinawite (FeSm). <i>Chemical Geology</i> , 2009, 268, 116-125. | 1.4 | 63 |
| 927 | Ground water geochemistry of Ballia district, Uttar Pradesh, India and mechanism of arsenic release. <i>Chemosphere</i> , 2009, 75, 83-91. | 4.2 | 113 |
| 928 | Intraspecific differences of arbuscular mycorrhizal fungi in their impacts on arsenic accumulation by <i>Pteris vittata</i> L.. <i>Chemosphere</i> , 2009, 76, 1258-1264. | 4.2 | 61 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 929 | Importance of surface geologic condition in regulating As concentration of groundwater in the alluvial plain. <i>Chemosphere</i> , 2009, 77, 478-484. | 4.2 | 32 |
| 930 | Sublethal exposure of heavy metals induces micronuclei in fish, <i>Channa punctata</i> . <i>Chemosphere</i> , 2009, 77, 1495-1500. | 4.2 | 67 |
| 931 | Arsenate adsorption by Mg/Al-NO ₃ layered double hydroxides with varying the Mg/Al ratio. <i>Applied Clay Science</i> , 2009, 43, 79-85. | 2.6 | 145 |
| 932 | Structural characterization of arsenate ion exchanged MgAl-layered double hydroxide. <i>Applied Clay Science</i> , 2009, 44, 75-82. | 2.6 | 50 |
| 933 | Arsenic distribution in the dissolved, colloidal and particulate size fraction of experimental solutions rich in dissolved organic matter and ferric iron. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 529-542. | 1.6 | 127 |
| 934 | Arsenite sequestration at the surface of nano-Fe(OH) ₂ , ferrous-carbonate hydroxide, and green-rust after bioreduction of arsenic-sorbed lepidocrocite by <i>Shewanella putrefaciens</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1359-1381. | 1.6 | 88 |
| 935 | Speciation and natural attenuation of arsenic and iron in a tidally influenced shallow aquifer. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5528-5553. | 1.6 | 80 |
| 936 | Effect of arsenic concentration on microbial iron reduction and arsenic speciation in an iron-rich freshwater sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 6008-6021. | 1.6 | 11 |
| 937 | Assessing the selectivity of extractant solutions for recovering labile arsenic associated with iron (hydr)oxides and sulfides in sediments. <i>Geoderma</i> , 2009, 152, 137-144. | 2.3 | 37 |
| 938 | Release of toxic elements from rocks and mine wastes at the Furtei gold mine (Sardinia, Italy). <i>Journal of Geochemical Exploration</i> , 2009, 100, 142-152. | 1.5 | 46 |
| 939 | Characterization of As (V), As (III) by selective reduction/adsorption on palladium nanoparticles in environmental water samples. <i>Talanta</i> , 2009, 78, 1122-1128. | 2.9 | 12 |
| 940 | Off-line coupled electrocatalytic oxidation and liquid phase polymer based retention (EO-LPR) techniques to remove arsenic from aqueous solutions. <i>Water Research</i> , 2009, 43, 515-521. | 5.3 | 21 |
| 941 | Decentralized systems for potable water and the potential of membrane technology. <i>Water Research</i> , 2009, 43, 245-265. | 5.3 | 406 |
| 942 | Rapid column-mode removal of arsenate from water by crosslinked poly(allylamine) resin. <i>Water Research</i> , 2009, 43, 1229-1236. | 5.3 | 177 |
| 943 | Removal of co-present chromate and arsenate by zero-valent iron in groundwater with humic acid and bicarbonate. <i>Water Research</i> , 2009, 43, 2540-2548. | 5.3 | 71 |
| 944 | Preparation and evaluation of iron-chitosan composites for removal of As(III) and As(V) from arsenic contaminated real life groundwater. <i>Water Research</i> , 2009, 43, 3862-3870. | 5.3 | 256 |
| 945 | Uptake of arsenite by synthetic layered double hydroxides. <i>Water Research</i> , 2009, 43, 3884-3890. | 5.3 | 97 |
| 946 | Effects of hardness and alkalinity on the removal of arsenic(V) from humic acid-deficient and humic acid-rich groundwater by zero-valent iron. <i>Water Research</i> , 2009, 43, 4296-4304. | 5.3 | 94 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 947 | Removal of antimony(V) and antimony(III) from drinking water by coagulation–floculation–sedimentation (CFS). <i>Water Research</i> , 2009, 43, 4327-4335. | 5.3 | 241 |
| 948 | Origin of methane in high-arsenic groundwater of Taiwan – Evidence from stable isotope analyses and radiocarbon dating. <i>Journal of Asian Earth Sciences</i> , 2009, 36, 364-370. | 1.0 | 9 |
| 949 | Arsenite adsorption on goethite at elevated temperatures. <i>Applied Geochemistry</i> , 2009, 24, 32-43. | 1.4 | 45 |
| 950 | Aqueous and solid phase arsenic speciation in the sediments of a contaminated wetland and riverbed. <i>Applied Geochemistry</i> , 2009, 24, 346-358. | 1.4 | 13 |
| 951 | Ion exchange and trace element surface complexation reactions associated with applied recharge of low-TDS water in the San Joaquin Valley, California. <i>Applied Geochemistry</i> , 2009, 24, 129-137. | 1.4 | 35 |
| 952 | Genesis of arsenic/fluoride-enriched soda water: A case study at Datong, northern China. <i>Applied Geochemistry</i> , 2009, 24, 641-649. | 1.4 | 158 |
| 953 | Experimental simulation of soil contamination by arsenolite. <i>Applied Geochemistry</i> , 2009, 24, 650-656. | 1.4 | 14 |
| 954 | Isotope and minor element geochemistry of high arsenic groundwater from Hangjinhouqi, the Hetao Plain, Inner Mongolia. <i>Applied Geochemistry</i> , 2009, 24, 587-599. | 1.4 | 100 |
| 955 | Partitioning geochemistry of arsenic and antimony, El Tatio Geyser Field, Chile. <i>Applied Geochemistry</i> , 2009, 24, 664-676. | 1.4 | 63 |
| 956 | Hydrological and geochemical control of metals and arsenic in a Mediterranean river contaminated by acid mine drainage (the Amous River, France); preliminary assessment of impacts on fish (<i>Leuciscus</i>) Tj ETQq1 1 1 0 47843148 BT / Over | 1.4 | 14 |
| 957 | Irrigation produces elevated arsenic in the underlying groundwater of a semi-arid basin in Southwestern Idaho. <i>Applied Geochemistry</i> , 2009, 24, 843-859. | 1.4 | 28 |
| 958 | Geochemistry –™s vital contribution to solving water resource problems. <i>Applied Geochemistry</i> , 2009, 24, 1058-1073. | 1.4 | 113 |
| 959 | Arsenic distribution in the environment: The effects of scale. <i>Applied Geochemistry</i> , 2009, 24, 1147-1167. | 1.4 | 119 |
| 960 | Behavior of arsenic and antimony in the surface freshwater reaches of a highly turbid estuary, the Gironde Estuary, France. <i>Applied Geochemistry</i> , 2009, 24, 1747-1756. | 1.4 | 45 |
| 961 | Geochemical characteristics of the fluids and muds from two southern Taiwan mud volcanoes: Implications for water–sediment interaction and groundwater arsenic enrichment. <i>Applied Geochemistry</i> , 2009, 24, 1793-1802. | 1.4 | 38 |
| 962 | Chemical evolution in the high arsenic groundwater of the Huhhot basin (Inner Mongolia, PR China) and its difference from the western Bengal basin (India). <i>Applied Geochemistry</i> , 2009, 24, 1835-1851. | 1.4 | 138 |
| 963 | Elevated naturally occurring arsenic in a semiarid oxidizing system, Southern High Plains aquifer, Texas, USA. <i>Applied Geochemistry</i> , 2009, 24, 2061-2071. | 1.4 | 103 |
| 964 | Microbial reduction of ferrous arsenate: Biogeochemical implications for arsenic mobilization. <i>Applied Geochemistry</i> , 2009, 24, 2332-2341. | 1.4 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 965 | Geochemical and hydrologic controls on the mobilization of arsenic derived from herbicide application. <i>Applied Geochemistry</i> , 2009, 24, 2152-2162. | 1.4 | 22 |
| 966 | Arsenic mobility from anthropogenic impoundment sediments – Consequences of contamination to biota, water and sediments, PoĀja, Eastern Slovakia. <i>Applied Geochemistry</i> , 2009, 24, 2175-2185. | 1.4 | 12 |
| 967 | A Novel Combination of Anaerobic Bioleaching and Electrokinetics for Arsenic Removal from Mine Tailing Soil. <i>Environmental Science & Technology</i> , 2009, 43, 9354-9360. | 4.6 | 40 |
| 968 | Modeling and Simulation of Heavy Metals Removal From Drinking Water by Magnetic Zeolite. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 61-84. | 0.1 | 6 |
| 969 | Co-exposure to arsenic and fluoride on oxidative stress, glutathione linked enzymes, biogenic amines and DNA damage in mouse brain. <i>Journal of the Neurological Sciences</i> , 2009, 285, 198-205. | 0.3 | 105 |
| 970 | Arsenic in the Evolution of Earth and Extraterrestrial Ecosystems. <i>Geomicrobiology Journal</i> , 2009, 26, 522-536. | 1.0 | 123 |
| 971 | Quantum Chemical Study of Arsenic (III, V) Adsorption on Mn-Oxides: Implications for Arsenic(III) Oxidation. <i>Environmental Science & Technology</i> , 2009, 43, 6655-6661. | 4.6 | 154 |
| 972 | Iron oxide nanoparticle-assisted arsenic removal from aqueous system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 155-162. | 0.9 | 34 |
| 973 | Arsenic Pollution Sources. <i>Reviews of Environmental Contamination and Toxicology</i> , 2009, 197, 17-60. | 0.7 | 159 |
| 974 | Thermodynamic Constraints on Reductive Reactions Influencing the Biogeochemistry of Arsenic in Soils and Sediments. <i>Environmental Science & Technology</i> , 2009, 43, 4871-4877. | 4.6 | 95 |
| 975 | Retention of As and Sb in Ombrotrophic Peat Bogs: Records of As, Sb, and Pb Deposition at Four Scottish Sites. <i>Environmental Science & Technology</i> , 2009, 43, 1756-1762. | 4.6 | 45 |
| 976 | An Overview of Arsenic Metabolism and Toxicity. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2009, 42, 4.31.1-4.31.6. | 1.1 | 55 |
| 977 | Baseline Soil Variation Is a Major Factor in Arsenic Accumulation in Bengal Delta Paddy Rice. <i>Environmental Science & Technology</i> , 2009, 43, 1724-1729. | 4.6 | 74 |
| 978 | Detoxification of Arsenic. , 2009, , 1083-1100. | | 10 |
| 979 | Biological Responses to Arsenic Compounds. <i>Journal of Biological Chemistry</i> , 2009, 284, 18583-18587. | 1.6 | 129 |
| 980 | Groundwater Arsenic Removal Technologies Based on Sorbents. , 2009, , 379-417. | | 9 |
| 981 | Simultaneous Oxidation and Reduction of Arsenic by Zero-Valent Iron Nanoparticles: Understanding the Significance of the Core-Shell Structure. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14591-14594. | 1.5 | 232 |
| 982 | As(III) Removal by Palladium-Modified Nitrogen-Doped Titanium Oxide Nanoparticle Photocatalyst. <i>Environmental Science & Technology</i> , 2009, 43, 1534-1539. | 4.6 | 56 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 983 | Arsenic removal from groundwater through iron oxyhydroxide coated waste productsA paper submitted to the Journal of Environmental Engineering and Science.. Canadian Journal of Civil Engineering, 2009, 36, 881-888. | 0.7 | 17 |
| 984 | Environmental behavior of arsenic(III) and (V) in soils. Journal of Environmental Monitoring, 2009, 11, 1412. | 2.1 | 19 |
| 985 | Determination of four arsenic species in soil by sequential extraction and high performance liquid chromatography with post-column hydride generation and inductively coupled plasma optical emission spectrometry detection. Journal of Analytical Atomic Spectrometry, 2009, 24, 376. | 1.6 | 32 |
| 986 | Assessment of metal contamination in a small mining- and smelting-affected watershed: high resolution monitoring coupled with spatial analysis by GIS. Journal of Environmental Monitoring, 2009, 11, 962. | 2.1 | 26 |
| 987 | On the arsenic source mobilisation and its natural enrichment in the sediments of a high mountain cirque in the Pyrenees. Journal of Environmental Monitoring, 2009, 11, 1973. | 2.1 | 9 |
| 988 | Presence and mobility of arsenic in estuarine wetland soils of the Scheldt estuary (Belgium). Journal of Environmental Monitoring, 2009, 11, 873. | 2.1 | 31 |
| 989 | Impact of irrigation with arsenic-rich groundwater on soils and crops. Journal of Environmental Monitoring, 2009, 11, 498-502. | 2.1 | 28 |
| 990 | Contamination of groundwater by arsenic: a review of occurrence, causes, impacts, remedies and membrane-based purification. Journal of Integrative Environmental Sciences, 2009, 6, 295-316. | 1.0 | 46 |
| 991 | X-Ray Photoelectron Spectroscopic Investigation of Interactions of Arsenic with Microwave Synthesized Pyrite as a Function of pH. Environmental Engineering Science, 2009, 26, 1785-1793. | 0.8 | 8 |
| 992 | An Evaluation of Fish Bone Char as an Appropriate Arsenic and Fluoride Removal Technology for Emerging Regions. Environmental Engineering Science, 2009, 26, 1777-1784. | 0.8 | 69 |
| 993 | Cement based solidification/stabilization of arsenic-contaminated mine tailings. Waste Management, 2009, 29, 1766-1771. | 3.7 | 87 |
| 994 | Distinguishing Iron-Reducing from Sulfate-Reducing Conditions. Ground Water, 2009, 47, 300-305. | 0.7 | 58 |
| 995 | Sorption of Arsenic(V) and Arsenic(III) to Schwertmannite. Environmental Science & Technology, 2009, 43, 9202-9207. | 4.6 | 221 |
| 996 | Effects of Fulvic and Humic Acids on Arsenate Adsorption to Goethite: Experiments and Modeling. Environmental Science & Technology, 2009, 43, 7198-7204. | 4.6 | 160 |
| 997 | Coprecipitation of Arsenate with Metal Oxides. 3. Nature, Mineralogy, and Reactivity of Iron(III)-Aluminum Precipitates. Environmental Science & Technology, 2009, 43, 1515-1521. | 4.6 | 44 |
| 998 | Geographical Variation in Total and Inorganic Arsenic Content of Polished (White) Rice. Environmental Science & Technology, 2009, 43, 1612-1617. | 4.6 | 673 |
| 1000 | Broiler-Litter Application History and Soil-Depth Effects on Arsenic Sorption. Soil Science, 2009, 174, 661-675. | 0.9 | 4 |
| 1001 | Kinetics and Thermodynamics of Arsenate and Arsenite Biosorption by Pretreated Spent Grains. Water Environment Research, 2009, 81, 843-848. | 1.3 | 23 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1002 | Effect of humic acid coating on arsenic adsorption on ferrihydrite-kaolinite mixed systems. Canadian Journal of Soil Science, 2009, 89, 421-434. | 0.5 | 19 |
| 1003 | Arsenic in drinking water: a worldwide water quality concern for water supply companies. Drinking Water Engineering and Science, 2009, 2, 29-34. | 0.8 | 128 |
| 1004 | Emerging and Innovative Techniques for Arsenic Removal Applied to a Small Water Supply System. Sustainability, 2009, 1, 1288-1304. | 1.6 | 54 |
| 1005 | Scientific Opinion on Arsenic in Food. EFSA Journal, 2009, 7, 1351. | 0.9 | 829 |
| 1007 | A Study on the Coprecipitation of Arsenite and Arsenate into Calcite Coupled with the Determination of Oxidation States of Arsenic Both in Calcite and Water. Chemistry Letters, 2009, 38, 910-911. | 0.7 | 18 |
| 1008 | Molecular modeling of iron and arsenic interactions with carboxy groups in natural biomass. Environmental Chemistry, 2009, 6, 350. | 0.7 | 18 |
| 1010 | Natural Attenuation Potential of Arsenic in Artificial Pond. Journal of Japan Society on Water Environment, 2009, 32, 495-500. | 0.1 | 1 |
| 1011 | Application of arsenic field test kit to stream sediment: effect of fine particles and chemical extraction. Chemical Speciation and Bioavailability, 2009, 21, 49-57. | 2.0 | 2 |
| 1012 | Mechanisms of arsenic removal from water. , 2010, , 77-86. | | 0 |
| 1013 | Arsenic contamination in groundwaters in Bangladesh and options of sustainable drinking water supplies. Arsenic in the Environment, 2010, , 21-35. | 0.0 | 1 |
| 1014 | Geologic structure and geochemical characteristics of sediments of fluoride and arsenic contaminated groundwater aquifer in Kalalanwala and its vicinity, Punjab, Pakistan. Geochemical Journal, 2010, 44, 489-505. | 0.5 | 11 |
| 1015 | The role of iron in the fixation of heavy metals and metalloids in soils: a review of publications. Eurasian Soil Science, 2010, 43, 519-532. | 0.5 | 31 |
| 1016 | PALEOENVIRONMENTAL CONTROLS ON THE TEXTURE AND CHEMICAL COMPOSITION OF PYRITE FROM NON-CONGLOMERATIC SEDIMENTARY ROCKS OF THE MESOARCHEAN WITWATERSRAND SUPERGROUP, SOUTH AFRICA. South African Journal of Geology, 2010, 113, 195-228. | 0.6 | 62 |
| 1017 | Arsenic Removal by Nano-scale Zero Valent Iron and how it is Affected by Natural Organic Matter. ACS Symposium Series, 2010, , 135-161. | 0.5 | 8 |
| 1018 | Spectroscopic investigation of arsenate and selenate incorporation into hydroxylapatite. Current Applied Physics, 2010, 10, 158-163. | 1.1 | 6 |
| 1019 | Study on arsenic biosorption using Fe(III)-treated biomass of Staphylococcus xylosus. Chemical Engineering Journal, 2010, 162, 178-185. | 6.6 | 141 |
| 1020 | Ecosystem Perspective of Groundwater Arsenic Contamination in India and Relevance in Policy. EcoHealth, 2010, 7, 114-126. | 0.9 | 2 |
| 1021 | Release of Arsenic from Volcanic Rocks through Interactions with Inorganic Anions and Organic Ligands. Aquatic Geochemistry, 2010, 16, 373-393. | 1.5 | 26 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1022 | Variations in Concentrations of Arsenic and Other Potentially Toxic Elements in Mine and Paddy Soils and Irrigation Waters from Southern Ghana. <i>Water Quality, Exposure, and Health</i> , 2010, 2, 115-124. | 1.5 | 8 |
| 1023 | Groundwater quality of Yemen volcanic terrain and their geological and geochemical controls. <i>Arabian Journal of Geosciences</i> , 2010, 3, 193-205. | 0.6 | 13 |
| 1024 | Hydrochemical signatures of deep groundwater circulation in a part of the Himalayan foreland basin. <i>Environmental Earth Sciences</i> , 2010, 59, 1079-1098. | 1.3 | 15 |
| 1025 | Arsenic mobility in fluvial environment of the Ganga Plain, northern India. <i>Environmental Earth Sciences</i> , 2010, 59, 1703-1715. | 1.3 | 27 |
| 1026 | Present environment of Dam Lake Sambe, southwestern Japan: a geochemical study of bottom sediments. <i>Environmental Earth Sciences</i> , 2010, 60, 655-670. | 1.3 | 8 |
| 1027 | Electrical resistivity investigation of the arsenic affected alluvial aquifers in West Bengal, India: usefulness in identifying the areas of low and high groundwater arsenic. <i>Environmental Earth Sciences</i> , 2010, 60, 873-884. | 1.3 | 24 |
| 1028 | Geochemical study of arsenic and other trace elements in groundwater and sediments of the Old Brahmaputra River Plain, Bangladesh. <i>Environmental Earth Sciences</i> , 2010, 60, 1303-1316. | 1.3 | 24 |
| 1029 | Arsenic in geothermal sources at the north-central Andean region of Ecuador: concentrations and mechanisms of mobility. <i>Environmental Earth Sciences</i> , 2010, 61, 299-310. | 1.3 | 26 |
| 1031 | A sorption kinetics model for arsenic adsorption to magnetite nanoparticles. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1053-1062. | 2.7 | 53 |
| 1032 | The fate of arsenic in soils adjacent to an old mine site (Bustarviejo, Spain): mobility and transfer to native flora. <i>Journal of Soils and Sediments</i> , 2010, 10, 301-312. | 1.5 | 72 |
| 1033 | Lifetime exposure to arsenic in drinking water and bladder cancer: a population-based case-control study in Michigan, USA. <i>Cancer Causes and Control</i> , 2010, 21, 745-757. | 0.8 | 97 |
| 1034 | Evaluation of Potential Changes in Groundwater Quality in Response to CO ₂ Leakage from Deep Geologic Storage. <i>Transport in Porous Media</i> , 2010, 82, 215-246. | 1.2 | 153 |
| 1035 | Fuzzy Modeling of the Spatial Evolution of the Chemistry in the Tinto River (SW Spain). <i>Water Resources Management</i> , 2010, 24, 3219-3235. | 1.9 | 32 |
| 1036 | Influence of Major Anions on As(V) Adsorption by Synthetic 2-line Ferrihydrite. Kinetic Investigation and XPS Study of the Competitive Effect of Bicarbonate. <i>Water, Air, and Soil Pollution</i> , 2010, 205, 25-41. | 1.1 | 67 |
| 1037 | Role of Thiol Metabolism in Arsenic Detoxification in <i>Hydrilla verticillata</i> (L.f.) Royle. <i>Water, Air, and Soil Pollution</i> , 2010, 212, 155-165. | 1.1 | 28 |
| 1038 | Arsenic Contamination in Rice, Wheat, Pulses, and Vegetables: A Study in an Arsenic Affected Area of West Bengal, India. <i>Water, Air, and Soil Pollution</i> , 2010, 213, 3-13. | 1.1 | 192 |
| 1039 | Visualisation of gradients in arsenic concentrations around individual roots of <i>Zea mays</i> L. using agar-immobilized bioreporter bacteria. <i>Plant and Soil</i> , 2010, 329, 295-306. | 1.8 | 13 |
| 1040 | Accumulation of arsenic in soil and rice under wetland condition in Bangladesh. <i>Plant and Soil</i> , 2010, 333, 263-274. | 1.8 | 62 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1041 | Biological responses of duckweed (<i>Lemna minor</i> L.) exposed to the inorganic arsenic species As(III) and As(V): effects of concentration and duration of exposure. <i>Ecotoxicology</i> , 2010, 19, 983-993. | 1.1 | 96 |
| 1042 | Tracing the factors responsible for arsenic enrichment in groundwater of the middle Gangetic Plain, India: a source identification perspective. <i>Environmental Geochemistry and Health</i> , 2010, 32, 129-146. | 1.8 | 106 |
| 1043 | Synthesis and characterization of Fe-MCM-41 from rice husk silica by hydrothermal technique for arsenate adsorption. <i>Environmental Geochemistry and Health</i> , 2010, 32, 261-266. | 1.8 | 13 |
| 1044 | Arsenic contamination of natural waters in San Juan and La Pampa, Argentina. <i>Environmental Geochemistry and Health</i> , 2010, 32, 491-515. | 1.8 | 60 |
| 1045 | Arsenic in shallow aquifer in the eastern region of Bangladesh: insights from principal component analysis of groundwater compositions. <i>Environmental Monitoring and Assessment</i> , 2010, 161, 453-472. | 1.3 | 42 |
| 1046 | Monitoring of arsenic in aquatic plants, water, and sediment of wastewater treatment ponds at the Mae Moh Lignite power plant, Thailand. <i>Environmental Monitoring and Assessment</i> , 2010, 165, 585-594. | 1.3 | 5 |
| 1047 | Modeling Phosphate Influence on Arsenate Reduction Kinetics by a Freshwater Cyanobacterium. <i>Environmental Modeling and Assessment</i> , 2010, 15, 361-368. | 1.2 | 21 |
| 1048 | Practical performance and its efficiency of arsenic removal from groundwater using Fe-Mn binary oxide. <i>Journal of Environmental Sciences</i> , 2010, 22, 1-6. | 3.2 | 43 |
| 1049 | The combined effect of abandoned mines and agriculture on groundwater chemistry. <i>Journal of Contaminant Hydrology</i> , 2010, 115, 64-78. | 1.6 | 20 |
| 1050 | Artificial neural networks for estimating regional arsenic concentrations in a blackfoot disease area in Taiwan. <i>Journal of Hydrology</i> , 2010, 388, 65-76. | 2.3 | 50 |
| 1051 | An analysis of the relationship between land use and arsenic, vanadium, nitrate and boron contamination in the Gulf Coast aquifer of Texas. <i>Journal of Hydrology</i> , 2010, 389, 214-226. | 2.3 | 34 |
| 1052 | Sources and controls of Arsenic contamination in groundwater of Rajnandgaon and Kanker District, Chattisgarh Central India. <i>Journal of Hydrology</i> , 2010, 395, 49-66. | 2.3 | 62 |
| 1053 | Chronological records of metal deposition in sediments from the Strait of Sicily, central Mediterranean: Assessing natural fluxes and anthropogenic alteration. <i>Journal of Marine Systems</i> , 2010, 79, 157-172. | 0.9 | 11 |
| 1054 | Factors affecting arsenic mobility from hydrothermally altered rock in impoundment-type in situ experiments. <i>Minerals Engineering</i> , 2010, 23, 238-248. | 1.8 | 37 |
| 1055 | Urinary arsenic concentrations and speciation in residents living in an area with naturally contaminated soils. <i>Science of the Total Environment</i> , 2010, 408, 1190-1194. | 3.9 | 43 |
| 1056 | Multi-trace elements level in drinking water and the prevalence of multi-chronic arsenical poisoning in residents in the west area of Iran. <i>Science of the Total Environment</i> , 2010, 408, 1523-1529. | 3.9 | 49 |
| 1057 | Disposal of water treatment wastes containing arsenic – A review. <i>Science of the Total Environment</i> , 2010, 408, 1770-1778. | 3.9 | 194 |
| 1058 | Chemical drinking water quality in Ghana: Water costs and scope for advanced treatment. <i>Science of the Total Environment</i> , 2010, 408, 2378-2386. | 3.9 | 90 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1059 | Increasing arsenic concentrations in runoff from 12 small forested catchments (Czech Republic). <i>Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50 7</i> | 3.9 | 6 |
| 1060 | Does arsenic in soil contribute to arsenic urinary concentrations in a French population living in a naturally arsenic contaminated area?. <i>Science of the Total Environment</i> , 2010, 408, 6011-6016. | 3.9 | 10 |
| 1061 | Arsenic-resistant bacteria associated with roots of the wild <i>Cirsium arvense</i> (L.) plant from an arsenic polluted soil, and screening of potential plant growth-promoting characteristics. <i>Systematic and Applied Microbiology</i> , 2010, 33, 154-164. | 1.2 | 121 |
| 1062 | Genetic polymorphisms in glutathione S-transferase (GST) superfamily and arsenic metabolism in residents of the Red River Delta, Vietnam. <i>Toxicology and Applied Pharmacology</i> , 2010, 242, 352-362. | 1.3 | 68 |
| 1063 | Microbial oxidation of arsenite in a subarctic environment: diversity of arsenite oxidase genes and identification of a psychrotolerant arsenite oxidiser. <i>BMC Microbiology</i> , 2010, 10, 205. | 1.3 | 63 |
| 1064 | Inorganic arsenic speciation in the waters of the Penzance estuary (NW France): Seasonal variations and fluxes to the coastal area. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 90, 221-230. | 0.9 | 13 |
| 1065 | Arsenic contamination and potential health risk implications at an abandoned tungsten mine, southern China. <i>Environmental Pollution</i> , 2010, 158, 820-826. | 3.7 | 208 |
| 1066 | Possible treatments for arsenic removal in Latin American waters for human consumption. <i>Environmental Pollution</i> , 2010, 158, 1105-1118. | 3.7 | 252 |
| 1067 | Arsenic in groundwater and sediment in the Mekong River delta, Vietnam. <i>Environmental Pollution</i> , 2010, 158, 2648-2658. | 3.7 | 100 |
| 1068 | Concentrations and speciation of arsenic in groundwater polluted by warfare agents. <i>Environmental Pollution</i> , 2010, 158, 3439-3444. | 3.7 | 21 |
| 1069 | Complexation of arsenite with dissolved organic matter: Conditional distribution coefficients and apparent stability constants. <i>Chemosphere</i> , 2010, 81, 890-896. | 4.2 | 85 |
| 1070 | Electromigration of arsenic and co-existing metals in mine tailings. <i>Chemosphere</i> , 2010, 81, 1155-1158. | 4.2 | 11 |
| 1071 | Spontaneous pregnancy loss in humans and exposure to arsenic in drinking water. <i>International Journal of Hygiene and Environmental Health</i> , 2010, 213, 401-413. | 2.1 | 53 |
| 1072 | Flood Knowledge and Management in Bangladesh: Increasing Diversity, Complexity and Uncertainty. <i>Geography Compass</i> , 2010, 4, 750-767. | 1.5 | 11 |
| 1073 | Arsenic in South Asia Groundwater. <i>Geography Compass</i> , 2010, 4, 1532-1552. | 1.5 | 24 |
| 1074 | Removal of arsenic from synthetic and natural groundwater using acid-activated laterite. <i>Environmental Progress and Sustainable Energy</i> , 2010, 29, 457-470. | 1.3 | 25 |
| 1075 | Highly Sensitive Voltammetric Speciation and Determination of Inorganic Arsenic in Water and Alloy Samples Using Ammonium 2-aminocyclopentene-1-dithiocarboxylate. <i>Electroanalysis</i> , 2010, 22, 1175-1185. | 1.5 | 33 |
| 1078 | Anoxic oxidation of arsenite linked to chemolithotrophic denitrification in continuous bioreactors. <i>Biotechnology and Bioengineering</i> , 2010, 105, 909-917. | 1.7 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1079 | The role of denitrification on arsenite oxidation and arsenic mobility in an anoxic sediment column model with activated alumina. <i>Biotechnology and Bioengineering</i> , 2010, 107, 786-794. | 1.7 | 22 |
| 1080 | Arsenic adsorption on TiO ₂ -pillared montmorillonite. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 708-714. | 1.6 | 49 |
| 1081 | As(III) biological oxidation by CASO1 consortium in fixed-bed reactors. <i>Process Biochemistry</i> , 2010, 45, 171-178. | 1.8 | 25 |
| 1082 | Studies on the electrochemical decontamination of wastewater containing arsenic. <i>Separation and Purification Technology</i> , 2010, 73, 114-121. | 3.9 | 39 |
| 1083 | Removal of antimony (III) and antimony (V) from drinking water by ferric chloride coagulation: Competing ion effect and the mechanism analysis. <i>Separation and Purification Technology</i> , 2010, 76, 184-190. | 3.9 | 141 |
| 1084 | Geochemistry and water quality assessment of central Main Ethiopian Rift natural waters with emphasis on source and occurrence of fluoride and arsenic. <i>Journal of African Earth Sciences</i> , 2010, 57, 479-491. | 0.9 | 108 |
| 1085 | Effect of organic matter on arsenic removal during coagulation/flocculation treatment. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 26-32. | 5.0 | 133 |
| 1086 | Reactive transport of arsenic(III) and arsenic(V) on natural hematite: Experimental and modeling. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 293-297. | 5.0 | 33 |
| 1087 | Mechanism for the stabilization/solidification of arsenic-contaminated soils with Portland cement and cement kiln dust. <i>Journal of Environmental Management</i> , 2010, 91, 2322-2328. | 3.8 | 85 |
| 1088 | The oxidative transformation of sodium arsenite at the interface of Fe ³⁺ -MnO ₂ and water. <i>Journal of Hazardous Materials</i> , 2010, 173, 675-681. | 6.5 | 82 |
| 1089 | Arsenate removal from aqueous solution using synthetic siderite. <i>Journal of Hazardous Materials</i> , 2010, 176, 174-180. | 6.5 | 75 |
| 1090 | Synthesis and evaluation of chromate and arsenate anions extraction ability of a N-methylglucamine derivative of calix[4]arene immobilized onto magnetic nanoparticles. <i>Journal of Hazardous Materials</i> , 2010, 178, 312-319. | 6.5 | 55 |
| 1091 | Heavy metals in northern Chilean rivers: Spatial variation and temporal trends. <i>Journal of Hazardous Materials</i> , 2010, 181, 747-754. | 6.5 | 67 |
| 1092 | The impact of mining activities in alteration of As levels in the surrounding ecosystems: An encompassing risk assessment and evaluation of remediation strategies. <i>Journal of Hazardous Materials</i> , 2010, 182, 427-438. | 6.5 | 16 |
| 1093 | Preparation of iron-impregnated granular activated carbon for arsenic removal from drinking water. <i>Journal of Hazardous Materials</i> , 2010, 184, 515-522. | 6.5 | 169 |
| 1094 | Were Chinchorros exposed to arsenic? Arsenic determination in Chinchorro mummies' hair by laser ablation inductively coupled plasma-mass spectrometry (LA-ICP-MS). <i>Microchemical Journal</i> , 2010, 94, 28-35. | 2.3 | 75 |
| 1095 | Arsenic speciation by gradient anion exchange narrow bore ion chromatography and high resolution inductively coupled plasma mass spectrometry detection. <i>Journal of Chromatography A</i> , 2010, 1217, 2111-2116. | 1.8 | 26 |
| 1096 | Preservation of inorganic arsenic species in environmental water samples for reliable speciation analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1212-1223. | 5.8 | 50 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1097 | Dry ashing of organic rich matrices with palladium for the determination of arsenic using inductively coupled plasma-mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 661, 17-19. | 2.6 | 12 |
| 1098 | Determination of inorganic arsenic species in natural watersâ€”Benefits of separation and preconcentration on ion exchange and hybrid resins. <i>Analytica Chimica Acta</i> , 2010, 673, 185-193. | 2.6 | 81 |
| 1099 | Removal of arsenic(V) onto chitosan: From sorption mechanism explanation to dynamic water treatment process. <i>Chemical Engineering Journal</i> , 2010, 158, 593-598. | 6.6 | 73 |
| 1100 | Iron doped phenolic resin based activated carbon micro and nanoparticles by milling: Synthesis, characterization and application in arsenic removal. <i>Chemical Engineering Science</i> , 2010, 65, 3591-3601. | 1.9 | 70 |
| 1101 | Phytoremediation potential of <i>Arundo donax</i> in arsenic-contaminated synthetic wastewater. <i>Bioresource Technology</i> , 2010, 101, 5815-5819. | 4.8 | 106 |
| 1102 | An excellent arsenic(V) sorption behavior of p-tert-butylcalix[8]areneoctamide impregnated resin. <i>Comptes Rendus Chimie</i> , 2010, 13, 1416-1423. | 0.2 | 20 |
| 1103 | A statistical experiment design approach for arsenic removal by coagulation process using aluminum sulfate. <i>Desalination</i> , 2010, 254, 42-48. | 4.0 | 189 |
| 1104 | Performance of simultaneous arsenic, fluoride and alkalinity (bicarbonate) rejection by pilot-scale nanofiltration. <i>Desalination</i> , 2010, 257, 16-21. | 4.0 | 55 |
| 1105 | Evaluation of the influence of arsenical livestock drinking waters on total arsenic levels in cowâ€™s raw milk from Argentinean dairy farms. <i>Food Chemistry</i> , 2010, 121, 487-491. | 4.2 | 29 |
| 1106 | Water purification by membranes: The role of polymer science. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1685-1718. | 2.4 | 798 |
| 1107 | Arsenic release and attenuation in low organic carbon aquifer sediments from West Bengal. <i>Geobiology</i> , 2010, 8, 155-168. | 1.1 | 120 |
| 1108 | Arsenic precipitation by an anaerobic arsenic-respiring bacterial strain isolated from the polluted sediments of Orbetello Lagoon, Italy. <i>Letters in Applied Microbiology</i> , 2010, 51, 578-585. | 1.0 | 24 |
| 1109 | Arsenic Geochemistry and Hydrostratigraphy in Midwestern U.S. Glacial Deposits. <i>Ground Water</i> , 2010, 48, 903-912. | 0.7 | 12 |
| 1110 | The bioavailability of arsenic in floodplain soils: a simulation of water saturation. <i>European Journal of Soil Science</i> , 2010, 61, 84-96. | 1.8 | 14 |
| 1111 | Functional diversity of bacteria in a ferruginous hydrothermal sediment. <i>ISME Journal</i> , 2010, 4, 1193-1205. | 4.4 | 71 |
| 1112 | Anthropogenic influences on groundwater arsenic concentrations in Bangladesh. <i>Nature Geoscience</i> , 2010, 3, 46-52. | 5.4 | 331 |
| 1113 | Effect of long-term fertilization on total soil arsenic in China. <i>Annals of the New York Academy of Sciences</i> , 2010, 1195, E65-73. | 1.8 | 4 |
| 1114 | Mutational and gene expression analysis of <i>mtrDEF</i> , <i>omcA</i> and <i>mtrCAB</i> during arsenate and iron reduction in <i>Shewanella</i> sp. ANA-3. <i>Environmental Microbiology</i> , 2010, 12, 1878-1888. | 1.8 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1115 | Arsenic Stress in Plants. <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 161-174. | 1.7 | 89 |
| 1116 | Arsenic contamination of groundwater in the Kathmandu Valley, Nepal, as a consequence of rapid erosion. <i>Journal of Nepal Geological Society</i> , 2010, 40, 49-60. | 0.2 | 5 |
| 1117 | Predictive model for drinking water treatment technology design – the efficiency of arsenic removal by in-situ formed ferric-hydroxide. <i>Periodica Polytechnica: Civil Engineering</i> , 2010, 54, 45. | 0.6 | 2 |
| 1118 | Removal of Arsenic from Aqueous Phase by Nanoparticle Agglomerates of Hydrous Iron(III)-Chromium(III) Bimetal Mixed Oxide: Effects of Background Ions on the As(V) Sorption Kinetics and Equilibrium. <i>Water Quality Research Journal of Canada</i> , 2010, 45, 437-449. | 1.2 | 4 |
| 1119 | Dynamic Factor Analysis for Estimating Ground Water Arsenic Trends. <i>Journal of Environmental Quality</i> , 2010, 39, 176-184. | 1.0 | 26 |
| 1120 | Preparation of an Iron Oxide Modified Montmorillonite for Removal of Arsenic in Waters. <i>Advanced Materials Research</i> , 0, 156-157, 849-853. | 0.3 | 3 |
| 1121 | New Approach: Waste Materials as Sorbents for Arsenic Removal from Water. <i>Journal of Environmental Engineering, ASCE</i> , 2010, 136, 1277-1286. | 0.7 | 11 |
| 1122 | Subsurface iron and arsenic removal: low-cost technology for community-based water supply in Bangladesh. <i>Water Science and Technology</i> , 2010, 62, 2702-2709. | 1.2 | 30 |
| 1123 | Exposure, Metabolism and Health effects of Arsenic in Residents of Arsenic-Contaminated Groundwater Areas of Vietnam and Cambodia: A Review. <i>Reviews on Environmental Health</i> , 2010, 25, 193-220. | 1.1 | 34 |
| 1124 | A biokinetic model to describe the distribution and excretion of arsenic by man following acute and chronic intakes of arsenite/arsenate compounds by ingestion. <i>Human and Experimental Toxicology</i> , 2010, 29, 891-902. | 1.1 | 13 |
| 1125 | Water and Sustainability in Arid Regions. , 2010, , . | | 12 |
| 1126 | Medical Geology. , 2010, , . | | 28 |
| 1127 | Anaerobic Oxidation of Arsenite Linked to Chlorate Reduction. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6804-6811. | 1.4 | 72 |
| 1128 | Zero Valent Iron to Remove The Arsenic Contamination from Natural Ground Water: Batch and Column Experiment. , 2010, , 515-520. | | 1 |
| 1129 | Arsenic tolerance in <i>Arabidopsis</i> is mediated by two ABCC-type phytochelatin transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21187-21192. | 3.3 | 555 |
| 1130 | Sources and Fate of As in the Environment. <i>Geosystem Engineering</i> , 2010, 13, 35-42. | 0.7 | 29 |
| 1131 | Arsenic in drinking water wells on the Bolivian high plain: Field monitoring and effect of salinity on removal efficiency of iron-oxides-containing filters. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1741-1749. | 0.9 | 24 |
| 1132 | Climatic and compositional controls on secondary arsenic mineral formation in high-arsenic mine wastes, South Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2010, 53, 91-101. | 1.0 | 43 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1133 | Distribution of Heavy Metals in Groundwater of Sewage Irrigation Area in Guangdong Province, China. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , . | 0.0 | 0 |
| 1134 | The Current State of Water Quality and Technology Development for Water Pollution Control in China. Critical Reviews in Environmental Science and Technology, 2010, 40, 519-560. | 6.6 | 207 |
| 1135 | The Study of Aqueous Colloid in High Arsenic Groundwater: Insights in the Hetao Basin by Ultrafiltrating. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , . | 0.0 | 0 |
| 1136 | A Scalable Surface Complexation Modeling Framework for Predicting Arsenate Adsorption on Goethite-Coated Sands. Environmental Engineering Science, 2010, 27, 147-158. | 0.8 | 10 |
| 1137 | Population Structure and Abundance of Arsenite-Oxidizing Bacteria along an Arsenic Pollution Gradient in Waters of the Upper Isle River Basin, France. Applied and Environmental Microbiology, 2010, 76, 4566-4570. | 1.4 | 86 |
| 1138 | Geochemical processes influencing arsenic mobility at Bullendale historic gold mine, Otago, New Zealand. New Zealand Journal of Geology, and Geophysics, 2010, 53, 129-142. | 1.0 | 25 |
| 1139 | Improved removal of arsenic from groundwater using pre-corroded steel and iron tailored granular activated carbon. Water Science and Technology, 2010, 61, 441-453. | 1.2 | 3 |
| 1140 | Toxicology of the Skin. , 0, , . | | 28 |
| 1141 | Epidemiology of Skin Cancer: Role of Some Environmental Factors. Cancers, 2010, 2, 1980-1989. | 1.7 | 67 |
| 1142 | Arsenic in Drinking Water and Stroke Hospitalizations in Michigan. Stroke, 2010, 41, 2499-2504. | 1.0 | 46 |
| 1143 | Multi-tiered distributions of arsenic in iron nanoparticles: Observation of dual redox functionality enabled by a core-shell structure. Chemical Communications, 2010, 46, 6995. | 2.2 | 61 |
| 1144 | Anaerobic Fe(II)-Oxidizing Bacteria Show As Resistance and Immobilize As during Fe(III) Mineral Precipitation. Environmental Science & Technology, 2010, 44, 94-101. | 4.6 | 180 |
| 1145 | Mine Water. , 2010, , 119-203. | | 4 |
| 1146 | Biogeochemical interfaces in soil: The interdisciplinary challenge for soil science. Journal of Plant Nutrition and Soil Science, 2010, 173, 88-99. | 1.1 | 143 |
| 1147 | Evaluation of Conceptual and Numerical Models for Arsenic Mobilization and Attenuation during Managed Aquifer Recharge. Environmental Science & Technology, 2010, 44, 5035-5041. | 4.6 | 63 |
| 1148 | New Method and Detection of High Concentrations of Monomethylarsonous Acid Detected in Contaminated Groundwater. Environmental Science & Technology, 2010, 44, 5875-5880. | 4.6 | 23 |
| 1149 | Storage and Behavior of As, Sb, Pb, and Cu in Ombrotrophic Peat Bogs under Contrasting Water Table Conditions. Environmental Science & Technology, 2010, 44, 8497-8502. | 4.6 | 49 |
| 1150 | Biogeochemical Redox Processes and their Impact on Contaminant Dynamics. Environmental Science & Technology, 2010, 44, 15-23. | 4.6 | 1,037 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1151 | Sequential Extraction Method for Speciation of Arsenate and Arsenite in Mineral Soils. Analytical Chemistry, 2010, 82, 5534-5540. | 3.2 | 66 |
| 1152 | Evaluating the performance of iron nanoparticle resin in removing arsenate from water. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 946-950. | 0.9 | 22 |
| 1153 | Photocatalytic Oxidation Mechanism of As(III) on TiO ₂ : Unique Role of As(III) as a Charge Recombinant Species. Environmental Science & Technology, 2010, 44, 9099-9104. | 4.6 | 80 |
| 1154 | Getting to the bottom of arsenic standards and guidelines. Environmental Science & Technology, 2010, 44, 4395-4399. | 4.6 | 65 |
| 1155 | Adsorption and desorption properties of arsenate onto nano-sized iron-oxide-coated quartz. Water Science and Technology, 2010, 62, 378-386. | 1.2 | 28 |
| 1156 | Removal of As(V) Using an Iron-Impregnated Ion Exchange Bead. Separation Science and Technology, 2010, 45, 2051-2063. | 1.3 | 16 |
| 1157 | Arsenic Mobilization in a Seawater Inundated Acid Sulfate Soil. Environmental Science & Technology, 2010, 44, 1968-1973. | 4.6 | 72 |
| 1158 | Characteristics of Lead Corrosion Scales Formed during Drinking Water Distribution and Their Potential Influence on the Release of Lead and Other Contaminants. Environmental Science & Technology, 2010, 44, 6054-6061. | 4.6 | 110 |
| 1159 | XANES Evidence for Rapid Arsenic(III) Oxidation at Magnetite and Ferrihydrite Surfaces by Dissolved O ₂ via Fe ²⁺ -Mediated Reactions. Environmental Science & Technology, 2010, 44, 5416-5422. | 4.6 | 165 |
| 1160 | Non-Steady State Modeling of Arsenic Diagenesis in Lake Sediments. Environmental Science & Technology, 2010, 44, 197-203. | 4.6 | 45 |
| 1161 | X-ray Absorption and X-ray Photoelectron Spectroscopic Study of Arsenic Mobilization during Mackinawite (FeS) Oxidation. Environmental Science & Technology, 2010, 44, 955-961. | 4.6 | 28 |
| 1162 | Formation of Binary and Ternary Colloids and Dissolved Complexes of Organic Matter, Fe and As. Environmental Science & Technology, 2010, 44, 4479-4485. | 4.6 | 238 |
| 1163 | Mine Wastes. , 2010, , . | | 265 |
| 1164 | New Diffusive Gradients in a Thin Film Technique for Measuring Inorganic Arsenic and Selenium(IV) Using a Titanium Dioxide Based Adsorbent. Analytical Chemistry, 2010, 82, 7401-7407. | 3.2 | 123 |
| 1165 | Equilibrium and Thermodynamics on Arsenic(III) Sorption Reaction in the Presence of Background Ions Occurring in Groundwater with Nanoparticle Agglomerates of Hydrous Iron(III) + Chromium(III) Mixed Oxide. Journal of Chemical & Engineering Data, 2010, 55, 2039-2047. | 1.0 | 13 |
| 1166 | Dose-responsive gene expression changes in juvenile and adult mummichogs (Fundulus heteroclitus) after arsenic exposure. Marine Environmental Research, 2010, 70, 133-141. | 1.1 | 21 |
| 1167 | Arsenic repartitioning during biogenic sulfidization and transformation of ferrihydrite. Geochimica Et Cosmochimica Acta, 2010, 74, 980-994. | 1.6 | 183 |
| 1168 | Arsenic, iron and sulfur co-diagenesis in lake sediments. Geochimica Et Cosmochimica Acta, 2010, 74, 1238-1255. | 1.6 | 111 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1169 | Structure and oxidation state of hematite surfaces reacted with aqueous Fe(II) at acidic and neutral pH. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1498-1512. | 1.6 | 76 |
| 1170 | Reductive dissolution of arsenic-bearing ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3382-3395. | 1.6 | 90 |
| 1171 | Experimental analysis of arsenic precipitation during microbial sulfate and iron reduction in model aquifer sediment reactors. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2538-2555. | 1.6 | 147 |
| 1172 | Aerobic oxidation of mackinawite (FeS) and its environmental implication for arsenic mobilization. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3182-3198. | 1.6 | 169 |
| 1173 | Synergistic effect of calcium and bicarbonate in enhancing arsenate release from ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5171-5186. | 1.6 | 55 |
| 1174 | Chemical and mineralogical characterization of arsenic, lead, chromium, and cadmium in a metal-contaminated Histosol. <i>Geoderma</i> , 2010, 156, 278-286. | 2.3 | 15 |
| 1175 | Speciation and evaluation of Arsenic in surface water and groundwater samples: A multivariate case study. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 914-923. | 2.9 | 79 |
| 1176 | Evaluating the accumulation of arsenic in maize (<i>Zea mays</i> L.) plants from its growing media by cloud point extraction. <i>Food and Chemical Toxicology</i> , 2010, 48, 3051-3057. | 1.8 | 57 |
| 1177 | In situ characterization of serpentinites from forearc mantle wedges: Timing of serpentinitization and behavior of fluid-mobile elements in subduction zones. <i>Chemical Geology</i> , 2010, 269, 262-277. | 1.4 | 152 |
| 1178 | Quaternary sediment geochemistry as a proxy for toxic element source: A case study of arsenic in the Pecora Valley (southern Tuscany, Italy). <i>Chemical Geology</i> , 2010, 270, 80-89. | 1.4 | 22 |
| 1179 | Geochemical controls on arsenic and rare earth elements approximately along a groundwater flow path in the shallow aquifer of the Hetao Basin, Inner Mongolia. <i>Chemical Geology</i> , 2010, 270, 117-125. | 1.4 | 124 |
| 1180 | Arsenopyrite dissolution rates in O ₂ -bearing solutions. <i>Chemical Geology</i> , 2010, 273, 272-285. | 1.4 | 54 |
| 1181 | Geochemistry and mineralogy of sediments and authigenic carbonates from the Malta Plateau, Strait of Sicily (Central Mediterranean): Relationships with mud/fluid release from a mud volcano system. <i>Chemical Geology</i> , 2010, 276, 294-308. | 1.4 | 47 |
| 1182 | Arsenite removal from waters by zero valent iron: Batch and column tests. <i>Chemosphere</i> , 2010, 78, 7-12. | 4.2 | 61 |
| 1183 | Mechanistic study of arsenate adsorption on lithium/aluminum layered double hydroxide. <i>Applied Clay Science</i> , 2010, 48, 485-491. | 2.6 | 28 |
| 1184 | Synthetic hydrotalcite-type and hydrocalumite-type layered double hydroxides for arsenate uptake. <i>Applied Clay Science</i> , 2010, 48, 631-637. | 2.6 | 81 |
| 1185 | Sorption of As(V) from waters using chitosan and chitosan-immobilized sodium silicate prior to atomic spectrometric determination. <i>Talanta</i> , 2010, 80, 1452-1460. | 2.9 | 31 |
| 1186 | Eggshell membrane-based solid-phase extraction combined with hydride generation atomic fluorescence spectrometry for trace arsenic(V) in environmental water samples. <i>Talanta</i> , 2010, 80, 1907-1912. | 2.9 | 53 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1187 | Influence of operating parameters on the arsenic removal by nanofiltration. <i>Water Research</i> , 2010, 44, 97-104. | 5.3 | 210 |
| 1188 | Occurrence of arsenic in core sediments and groundwater in the Chapai-Nawabganj District, northwestern Bangladesh. <i>Water Research</i> , 2010, 44, 2021-2037. | 5.3 | 97 |
| 1189 | Assessment of arsenic exposure from groundwater and rice in Bengal Delta Region, West Bengal, India. <i>Water Research</i> , 2010, 44, 5803-5812. | 5.3 | 115 |
| 1190 | Enrichment processes of arsenic in oxidic sedimentary rocks – From geochemical and genetic characterization to potential mobility. <i>Water Research</i> , 2010, 44, 5512-5531. | 5.3 | 15 |
| 1191 | Mechanisms of arsenic enrichment in geothermal and petroleum reservoirs fluids in Mexico. <i>Water Research</i> , 2010, 44, 5605-5617. | 5.3 | 63 |
| 1192 | Pathways for arsenic from sediments to groundwater to streams: Biogeochemical processes in the Inner Coastal Plain, New Jersey, USA. <i>Water Research</i> , 2010, 44, 5532-5544. | 5.3 | 45 |
| 1193 | As(III) removal by hydrous titanium dioxide prepared from one-step hydrolysis of aqueous $TiCl_4$ solution. <i>Water Research</i> , 2010, 44, 5713-5721. | 5.3 | 109 |
| 1194 | A comparative study of As(III) and As(V) in aqueous solutions and adsorbed on iron oxy-hydroxides by Raman spectroscopy. <i>Water Research</i> , 2010, 44, 5660-5672. | 5.3 | 150 |
| 1195 | The effect of crude oil on arsenate adsorption on goethite. <i>Water Research</i> , 2010, 44, 5673-5683. | 5.3 | 41 |
| 1196 | Influence of traditional agricultural practices on mobilization of arsenic from sediments to groundwater in Bengal delta. <i>Water Research</i> , 2010, 44, 5575-5588. | 5.3 | 67 |
| 1197 | Geochemical changes in individual sediment grains during sequential arsenic extractions. <i>Water Research</i> , 2010, 44, 5545-5555. | 5.3 | 26 |
| 1198 | Conventional oxidation treatments for the removal of arsenic with chlorine dioxide, hypochlorite, potassium permanganate and monochloramine. <i>Water Research</i> , 2010, 44, 5653-5659. | 5.3 | 193 |
| 1199 | The role of Al-Goethites on arsenate mobility. <i>Water Research</i> , 2010, 44, 5684-5692. | 5.3 | 51 |
| 1200 | Using iron precipitants to remove arsenic from water: Is it safe?. <i>Water Research</i> , 2010, 44, 5823-5827. | 5.3 | 17 |
| 1201 | Processes releasing arsenic to groundwater in the Caldes de Malavella geothermal area, NE Spain. <i>Water Research</i> , 2010, 44, 5618-5630. | 5.3 | 26 |
| 1202 | Simultaneous removal of nitrate and arsenic from drinking water sources utilizing a fixed-bed bioreactor system. <i>Water Research</i> , 2010, 44, 4958-4969. | 5.3 | 62 |
| 1203 | Sources and controls for the mobility of arsenic in oxidizing groundwaters from loess-type sediments in arid/semi-arid dry climates – Evidence from the Chaco – Pampean plain (Argentina). <i>Water Research</i> , 2010, 44, 5589-5604. | 5.3 | 88 |
| 1204 | Variations in the redox state of As and Fe measured by X-ray absorption spectroscopy in aquifers of Bangladesh and their effect on As adsorption. <i>Applied Geochemistry</i> , 2010, 25, 34-47. | 1.4 | 31 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1205 | Geochemical processes controlling arsenic mobility in groundwater: A case study of arsenic mobilization and natural attenuation. <i>Applied Geochemistry</i> , 2010, 25, 69-80. | 1.4 | 30 |
| 1206 | Antimony in the environment: Lessons from geochemical mapping. <i>Applied Geochemistry</i> , 2010, 25, 175-198. | 1.4 | 108 |
| 1207 | Abundance and fractionation of Al, Fe and trace metals following tidal inundation of a tropical acid sulfate soil. <i>Applied Geochemistry</i> , 2010, 25, 323-335. | 1.4 | 47 |
| 1208 | Primary sink and source of geogenic arsenic in sedimentary aquifers in the southern Choushui River alluvial fan, Taiwan. <i>Applied Geochemistry</i> , 2010, 25, 684-695. | 1.4 | 16 |
| 1209 | Application of multi-isotope ratios to study the source and quality of urban groundwater in Metro Manila, Philippines. <i>Applied Geochemistry</i> , 2010, 25, 900-909. | 1.4 | 42 |
| 1210 | Occurrence and geochemistry of arsenic in the groundwater of Eastern Croatia. <i>Applied Geochemistry</i> , 2010, 25, 1017-1029. | 1.4 | 54 |
| 1211 | Increasing concentrations of arsenic and vanadium in (southern) Swedish streams. <i>Applied Geochemistry</i> , 2010, 25, 1162-1175. | 1.4 | 69 |
| 1212 | Chemical treatments for mobilizing arsenic from contaminated aquifer solids to accelerate remediation. <i>Applied Geochemistry</i> , 2010, 25, 1500-1509. | 1.4 | 15 |
| 1213 | Effects of desferrioxamine-B on the release of arsenic from volcanic rocks. <i>Applied Geochemistry</i> , 2010, 25, 1688-1698. | 1.4 | 17 |
| 1214 | Arsenic-enriched aquifers: Occurrences and mobilization of arsenic in groundwater of Ganges Delta Plain, Barasat, West Bengal, India. <i>Applied Geochemistry</i> , 2010, 25, 1805-1814. | 1.4 | 85 |
| 1215 | Alteration of As-bearing phases in a small watershed located on a high grade arsenic-geochemical anomaly (French Massif Central). <i>Applied Geochemistry</i> , 2010, 25, 1889-1901. | 1.4 | 24 |
| 1216 | An updated insight into the natural attenuation of As concentrations in Reigous Creek (southern) Tj ETQq1 1 0.784314 rgBT /Overload | 1.4 | 49 |
| 1217 | Polymerin and Lignimerin, as Humic Acid-like Sorbents from Vegetable Waste, for the Potential Remediation of Waters Contaminated with Heavy Metals, Herbicides, or Polycyclic Aromatic Hydrocarbons. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10283-10299. | 2.4 | 8 |
| 1218 | Mineralogical and Geochemical Constraints on Arsenic Mobility in a Philippine Geothermal Field. <i>Acta Geologica Sinica</i> , 2006, 80, 330-335. | 0.8 | 0 |
| 1219 | Nanoparticles for Remediation: Solving Big Problems with Little Particles. <i>Elements</i> , 2010, 6, 395-400. | 0.5 | 178 |
| 1220 | Arsenic release from river sediments in a gold-mining area (Anllons River basin, Spain): effect of time, pH and phosphorous concentration. <i>European Journal of Mineralogy</i> , 2010, 22, 665-678. | 0.4 | 24 |
| 1221 | Redox Transformation of Arsenic by Fe(II)-Activated Goethite ($\hat{1}\pm$ -FeOOH). <i>Environmental Science & Technology</i> , 2010, 44, 102-108. | 4.6 | 266 |
| 1222 | Temperature Dependence and Coupling of Iron and Arsenic Reduction and Release during Flooding of a Contaminated Soil. <i>Environmental Science & Technology</i> , 2010, 44, 116-122. | 4.6 | 182 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1223 | Removal of Arsenate from Aqueous Solution by Manganese and Iron (hydr)oxides Coated Resin. Separation Science and Technology, 2010, 46, 130-136. | 1.3 | 9 |
| 1224 | Performance Characteristics of Diffusive Gradients in Thin Films Equipped with a Binding Gel Layer Containing Precipitated Ferrihydrite for Measuring Arsenic(V), Selenium(VI), Vanadium(V), and Antimony(V). Analytical Chemistry, 2010, 82, 8903-8909. | 3.2 | 148 |
| 1225 | Application of Phytotechnologies for Cleanup of Industrial, Agricultural, and Wastewater Contamination. NATO Science for Peace and Security Series C: Environmental Security, 2010, , . | 0.1 | 8 |
| 1226 | Water Treatment Technologies for the Removal of High-Toxicity Pollutants. NATO Science for Peace and Security Series C: Environmental Security, 2010, , . | 0.1 | 6 |
| 1227 | Beads for Environmental Applications. , 2010, , 255-278. | | 0 |
| 1228 | Remediation of Arsenic-Contaminated Soils by Iron Amendments: A Review. Critical Reviews in Environmental Science and Technology, 2010, 40, 93-115. | 6.6 | 115 |
| 1229 | Quantification of Deaths and DALYs Due to Chronic Exposure to Arsenic in Groundwaters Utilized for Drinking, Cooking and Irrigation of Food-Crops. , 2010, , 701-728. | | 2 |
| 1230 | Fe-Grown Carbon Nanofibers for Removal of Arsenic(V) in Wastewater. Industrial & Engineering Chemistry Research, 2010, 49, 7074-7084. | 1.8 | 77 |
| 1231 | Delineation of spring protection zones. , 2010, , 305-338. | | 21 |
| 1232 | Chelation in Metal Intoxication. International Journal of Environmental Research and Public Health, 2010, 7, 2745-2788. | 1.2 | 709 |
| 1233 | Anthropogenic sources and environmentally relevant concentrations of heavy metals in surface water of a mining district in Ghana: a multivariate statistical approach. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1804-1813. | 0.9 | 57 |
| 1234 | Arsenic content in drinking-water supplies of an important volcanic aquifer in central Italy. Toxicological and Environmental Chemistry, 2010, 92, 509-520. | 0.6 | 18 |
| 1235 | Discrimination between diffuse and point sources of arsenic at Zimapán, Hidalgo state, Mexico. Journal of Environmental Monitoring, 2010, 12, 329-337. | 2.1 | 19 |
| 1236 | Analysis of Regulatory Guidance Values for Residential Surface Soil Arsenic Exposure. Journal of Environmental Engineering, ASCE, 2010, 136, 861-877. | 0.7 | 32 |
| 1237 | On-line speciation of inorganic arsenic in natural waters using polyaniline (PANI) with determination by flow injection-hydride generation-inductively coupled plasma mass spectrometry at ultra-trace levels. Journal of Analytical Atomic Spectrometry, 2010, 25, 1348. | 1.6 | 21 |
| 1238 | Removal of As(III) and As(V) from Drinking Water by Nanoscale Zero-valent Iron. , 2010, , . | | 3 |
| 1239 | Arsenic Concentrations in Groundwater, Soils, and Irrigated Rice in Southwestern Bangladesh. Communications in Soil Science and Plant Analysis, 2010, 41, 1889-1895. | 0.6 | 19 |
| 1240 | Preconcentration of ultra-trace arsenic with nanometre-sized TiO ₂ colloid and determination by AFS with slurry sampling. Analytical Methods, 2010, 2, 1140. | 1.3 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1241 | Spatial modelling of individual arsenic exposure via well water: evaluation of arsenic in urine, main water source and influence of neighbourhood water sources in rural Bangladesh. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1341. | 2.1 | 12 |
| 1242 | Analyzing important ground water parameters in West Bengal with a fuzzy approach in the context of arsenic pollution. , 2010, , . | | 0 |
| 1243 | Arsenic Chemistry in Soils and Sediments. <i>Developments in Soil Science</i> , 2010, , 357-378. | 0.5 | 45 |
| 1244 | Biogeochemical Role of Surficial Diatomaceous Biomats in Groundwater Purification: A Key Revelation from the Gangetic Alluvial Floodplain, South 24 Parganas, India. <i>Geomicrobiology Journal</i> , 2010, 27, 355-379. | 1.0 | 3 |
| 1245 | Direct analysis and stability of methylated trivalent arsenic metabolites in cells and tissues. <i>Metallomics</i> , 2011, 3, 1347. | 1.0 | 29 |
| 1246 | Preparation and adsorption performance of mesoporous Fe-Ce binary oxide for effective removal of arsenite. , 2011, , . | | 0 |
| 1247 | Fixed-Bed Studies on Removal of Arsenic from Simulated Aqueous Solutions Using Chitosan Nanoparticles. <i>Bioremediation Journal</i> , 2011, 15, 148-156. | 1.0 | 2 |
| 1248 | The biogeochemistry of arsenic in a remote UK upland site: trends in rainfall and runoff, and comparisons with urban rivers. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1255. | 2.1 | 11 |
| 1249 | Modeling As(III) and As(V) Removal by an Iron Oxide Impregnated Activated Carbon in a Binary Adsorbate System. <i>Separation Science and Technology</i> , 2011, 46, 1419-1429. | 1.3 | 9 |
| 1250 | Exposure to multiple metals from groundwater—a global crisis: Geology, climate change, health effects, testing, and mitigation. <i>Metallomics</i> , 2011, 3, 874. | 1.0 | 65 |
| 1251 | Role of organic matter and humic substances in the binding and mobility of arsenic in a Gangetic aquifer. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1231-1238. | 0.9 | 35 |
| 1252 | Applicability of poorly crystalline aluminum oxide for adsorption of arsenate. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1376-1384. | 0.9 | 6 |
| 1253 | Notice of Retraction: Adsorption of Arsenic onto Ce-La Binary Hydroxide Encapsulated in Calcium Alginate Beads. , 2011, , . | | 0 |
| 1254 | Comparison of voltammetric and AAS methods for As(III) quantification in presence of iron species in model water samples with a low mineral content. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 1-16. | 1.8 | 20 |
| 1255 | Influence of Arsenate Adsorption to Ferrihydrite, Goethite, and Boehmite on the Kinetics of Arsenate Reduction by <i>Shewanella putrefaciens</i> strain CN-32. <i>Environmental Science & Technology</i> , 2011, 45, 7701-7709. | 4.6 | 67 |
| 1256 | Advances in the Research of Aquatic Environment. , 2011, , . | | 16 |
| 1257 | Direct Analysis of Methylated Trivalent Arsenicals in Mouse Liver by Hydride Generation-Cryotrapping-Atomic Absorption Spectrometry. <i>Chemical Research in Toxicology</i> , 2011, 24, 478-480. | 1.7 | 32 |
| 1258 | Biogenic Fe(III) Minerals Lower the Efficiency of Iron-Mineral-Based Commercial Filter Systems for Arsenic Removal. <i>Environmental Science & Technology</i> , 2011, 45, 7533-7541. | 4.6 | 36 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1259 | Thermodynamic Properties of Arsenic Compounds and the Heat of Formation of the As Atom from High Level Electronic Structure Calculations. <i>Journal of Physical Chemistry A</i> , 2011, 115, 14667-14676. | 1.1 | 15 |
| 1260 | Transport Implications Resulting from Internal Redistribution of Arsenic and Iron within Constructed Soil Aggregates. <i>Environmental Science & Technology</i> , 2011, 45, 582-588. | 4.6 | 46 |
| 1261 | Cr(VI)/Cr(III) and As(V)/As(III) Ratio Assessments in Jordanian Spent Oil Shale Produced by Aerobic Combustion and Anaerobic Pyrolysis. <i>Environmental Science & Technology</i> , 2011, 45, 9799-9805. | 4.6 | 18 |
| 1262 | Household Water Treatments in Developing Countries. <i>Journal of Chemical Education</i> , 2011, 88, 549-553. | 1.1 | 7 |
| 1263 | Impacts of Cocontaminants on the Performances of Perchlorate and Nitrate Specialty Ion-Exchange Resins. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7484-7493. | 1.8 | 14 |
| 1264 | Influence of Natural Organic Matter on As Transport and Retention. <i>Environmental Science & Technology</i> , 2011, 45, 546-553. | 4.6 | 136 |
| 1265 | Photoinduced Oxidation of Arsenite to Arsenate on Ferrihydrite. <i>Environmental Science & Technology</i> , 2011, 45, 2783-2789. | 4.6 | 94 |
| 1266 | Arsenic(III) Adsorption by Mixed-Oxide-Coated Sand: Kinetic Modeling and Desorption Studies. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2011, 15, 199-207. | 1.2 | 6 |
| 1267 | Arsenic accumulation and speciation in rice are affected by root aeration and variation of genotypes. <i>Journal of Experimental Botany</i> , 2011, 62, 2889-2898. | 2.4 | 135 |
| 1268 | Health risks for human intake of aquacultural fish: Arsenic bioaccumulation and contamination. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1266-1273. | 0.9 | 66 |
| 1269 | Study of Electrochemical Behaviour of As(III) at Au/Au and Pt/Au Electrodes by Electrochemical Quartz Crystal Microbalance. <i>Chinese Journal of Analytical Chemistry</i> , 2011, 39, 978-984. | 0.9 | 7 |
| 1270 | Nitrate dynamics in the soil and unconfined aquifer in arid groundwater coupled ecosystems of the Monte desert, Argentina. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 20 |
| 1271 | Water and Sanitation in Developing Countries: Geochemical Aspects of Quality and Treatment. <i>Elements</i> , 2011, 7, 163-168. | 0.5 | 20 |
| 1272 | Bacterial Communities in Bangladesh Aquifers Differing in Aqueous Arsenic Concentration. <i>Geomicrobiology Journal</i> , 2011, 28, 198-211. | 1.0 | 44 |
| 1273 | Microbial Remediation of Arsenic Contaminated Soil. <i>Soil Biology</i> , 2011, , 221-260. | 0.6 | 5 |
| 1274 | Trace Metal(loid)s (As, Cd, Cu, Hg, Pb, PGE, Sb, and Zn) and Their Species. , 2011, , 31-57. | | 5 |
| 1275 | Editorial. <i>Kaohsiung Journal of Medical Sciences</i> , 2011, 27, 358-359. | 0.8 | 9 |
| 1276 | Arsenic exposure and adverse health effects: A review of recent findings from arsenic and health studies in Matlab, Bangladesh. <i>Kaohsiung Journal of Medical Sciences</i> , 2011, 27, 371-376. | 0.8 | 52 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1277 | Dissolution and solubility of the arsenate - phosphate hydroxylapatite solid solution [Ca ₅ (P _x As _{1-x}) ₄ (OH)F _{1-4x}]. <i>Environmental Science & Technology</i> , 2011, 45, 2179-2185. | 0.7 | 15 |
| 1279 | Iron and Arsenic Cycling in Intertidal Surface Sediments during Wetland Remediation. <i>Environmental Science & Technology</i> , 2011, 45, 2179-2185. | 4.6 | 65 |
| 1280 | Arsenic in a Speleothem from Central China: Stadial-Interstadial Variations and Implications. <i>Environmental Science & Technology</i> , 2011, 45, 1278-1283. | 4.6 | 9 |
| 1281 | Complexation of Arsenite with Humic Acid in the Presence of Ferric Iron. <i>Environmental Science & Technology</i> , 2011, 45, 3210-3216. | 4.6 | 146 |
| 1282 | Community exposure to arsenic in the Mekong river delta, Southern Vietnam. <i>Journal of Environmental Monitoring</i> , 2011, 13, 2025. | 2.1 | 30 |
| 1283 | Arsenic contamination in groundwater and its proposed remedial measures. <i>International Journal of Environmental Science and Technology</i> , 2011, 8, 433-443. | 1.8 | 32 |
| 1284 | Arsenic Speciation Analysis by Ion Chromatography - A Critical Review of Principles and Applications. <i>American Journal of Analytical Chemistry</i> , 2011, 02, 27-45. | 0.3 | 40 |
| 1285 | Study of arsenic(III) and arsenic(V) removal from waters using ferric hydroxide supported on silica gel prepared at low pH. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 341-351. | 1.2 | 16 |
| 1286 | THE CRYSTAL STRUCTURE OF VLADIMIRITE, WITH A REVISED CHEMICAL FORMULA, Ca ₄ (AsO ₄) ₂ (AsO ₃ OH)·4H ₂ O. <i>Canadian Mineralogist</i> , 2011, 49, 1055-1064. | 0.3 | 4 |
| 1287 | Distinctive Arsenic(V) Trapping Modes by Magnetite Nanoparticles Induced by Different Sorption Processes. <i>Environmental Science & Technology</i> , 2011, 45, 7258-7266. | 4.6 | 94 |
| 1288 | Detoxification of Heavy Metals. <i>Soil Biology</i> , 2011, , . | 0.6 | 12 |
| 1289 | Spectroscopic Evidence for Ternary Complex Formation between Arsenate and Ferric Iron Complexes of Humic Substances. <i>Environmental Science & Technology</i> , 2011, 45, 9550-9557. | 4.6 | 234 |
| 1290 | The Adsorption of Arsenic Ions Using Beidellite, Zeolite, and Sepiolite Clays: A Study of Kinetic, Equilibrium and Thermodynamics. <i>Separation Science and Technology</i> , 2011, 46, 1005-1016. | 1.3 | 16 |
| 1291 | Highly Sensitive SERS Detection of As ³⁺ Ions in Aqueous Media using Glutathione Functionalized Silver Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3936-3941. | 4.0 | 213 |
| 1292 | Arsenopyrite Weathering and Leaching of Arsenic in an Austrian Soil. <i>Soil and Sediment Contamination</i> , 2011, 20, 550-563. | 1.1 | 2 |
| 1293 | Arsenic migration to deep groundwater in Bangladesh influenced by adsorption and water demand. <i>Nature Geoscience</i> , 2011, 4, 793-798. | 5.4 | 125 |
| 1294 | Speciation of Dissolved Inorganic Arsenic by Diffusive Gradients in Thin Films: Selective Binding of As ^{III} by 3-Mercaptopropyl-Functionalized Silica Gel. <i>Analytical Chemistry</i> , 2011, 83, 8293-8299. | 3.2 | 92 |
| 1295 | Urine arsenic concentration and obstructive pulmonary disease in the U.S. Population. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011, 74, 716-727. | 1.1 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1296 | Arsenic distribution, concentration and speciation in groundwater of the Osijek area, eastern Croatia. Applied Geochemistry, 2011, 26, 37-44. | 1.4 | 33 |
| 1297 | Black colored sandy sediments caused by bacterial action, and the mechanism for arsenic enrichment of groundwater in Inner Mongolia. Applied Geochemistry, 2011, 26, 380-393. | 1.4 | 8 |
| 1298 | Arsenic and other toxic elements in surface and groundwater systems. Applied Geochemistry, 2011, 26, 415-420. | 1.4 | 12 |
| 1299 | Arsenic enrichment in unconfined sections of the southern Gulf Coast aquifer system, Texas. Applied Geochemistry, 2011, 26, 421-431. | 1.4 | 12 |
| 1300 | Ultramafic-derived arsenic in a fractured bedrock aquifer. Applied Geochemistry, 2011, 26, 444-457. | 1.4 | 36 |
| 1301 | Aqueous and mineralogical analysis of arsenic in the reduced, circumneutral groundwater and sediments of the lower Fraser River delta, British Columbia, Canada. Applied Geochemistry, 2011, 26, 458-469. | 1.4 | 6 |
| 1302 | Mineralogical profiling of alluvial sediments from arsenic-affected Gangesâ€“Brahmaputra floodplain in central Bangladesh. Applied Geochemistry, 2011, 26, 470-483. | 1.4 | 30 |
| 1303 | Distribution of arsenic and its mobility in shallow aquifer sediments from Ambikanagar, West Bengal, India. Applied Geochemistry, 2011, 26, 505-515. | 1.4 | 27 |
| 1304 | Controls on elevated fluoride and arsenic concentrations in groundwater from the Yuncheng Basin, China. Applied Geochemistry, 2011, 26, 540-552. | 1.4 | 192 |
| 1305 | Evidence of microbially mediated arsenic mobilization from sediments of the Aquia aquifer, Maryland, USA. Applied Geochemistry, 2011, 26, 575-586. | 1.4 | 25 |
| 1306 | Mineralogy and geochemistry of shallow sediments of Sonargaon, Bangladesh and implications for arsenic dynamics: Focusing on the role of organic matter. Applied Geochemistry, 2011, 26, 587-599. | 1.4 | 23 |
| 1307 | Exploring sustainability of aquifers based on predictive modeling of sorption characteristics of arsenic enriched Holocene sediments in Bangladesh. Applied Geochemistry, 2011, 26, 636-647. | 1.4 | 8 |
| 1308 | Natural Red Earth as a low cost material for arsenic removal: Kinetics and the effect of competing ions. Applied Geochemistry, 2011, 26, 648-654. | 1.4 | 33 |
| 1309 | Composition and solubility of precipitated copper(II) arsenates. Applied Geochemistry, 2011, 26, 696-704. | 1.4 | 8 |
| 1310 | Geochemical characterization of arsenic-affected alluvial aquifers of the Bengal Delta (West Bengal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Geochemistry, 2011, 26, 705-713. | 1.4 | 42 |
| 1311 | Effects of human-induced alteration of groundwater flow on concentrations of naturally-occurring trace elements at water-supply wells. Applied Geochemistry, 2011, 26, 747-762. | 1.4 | 81 |
| 1312 | Arsenic in sediments, groundwater, and streamwater of a glauconitic Coastal Plain terrain, New Jersey, USAâ€”Chemical â€œfingerprintsâ€”for geogenic and anthropogenic sources. Applied Geochemistry, 2011, 26, 763-776. | 1.4 | 24 |
| 1313 | Distribution and reactivity of oxyanions (Sb, As, V, Mo) in the surface freshwater reaches of the Gironde Estuary (France). Applied Geochemistry, 2011, 26, 1222-1230. | 1.4 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1314 | Strong chemical evidence for high Fe(II)-colloids and low As-bearing colloids (200nm-10kDa) contents in groundwater and flooded paddy fields in Bangladesh: A size fractionation approach. <i>Applied Geochemistry</i> , 2011, 26, 1665-1672. | 1.4 | 16 |
| 1315 | Arsenic and other oxyanion-forming trace elements in an alluvial basin aquifer: Evaluating sources and mobilization by isotopic tracers (Sr, B, S, O, H, Ra). <i>Applied Geochemistry</i> , 2011, 26, 1364-1376. | 1.4 | 26 |
| 1316 | Seasonal fluctuations and mobility of arsenic in groundwater resources, Anchorage, Alaska. <i>Applied Geochemistry</i> , 2011, 26, 1811-1817. | 1.4 | 17 |
| 1317 | Source, attenuation and potential mobility of arsenic at New Britannia Mine, Snow Lake, Manitoba. <i>Applied Geochemistry</i> , 2011, 26, 1843-1854. | 1.4 | 7 |
| 1318 | Arsenic mobility and impact on recovered water quality during aquifer storage and recovery using reclaimed water in a carbonate aquifer. <i>Applied Geochemistry</i> , 2011, 26, 1946-1955. | 1.4 | 37 |
| 1319 | Geochemistry of mine waters draining a low-sulfide, gold-quartz vein deposit, Bralorne, British Columbia. <i>Applied Geochemistry</i> , 2011, 26, 1990-2003. | 1.4 | 17 |
| 1320 | Theoretical studies of arsenite adsorption and its oxidation mechanism on a perfect TiO ₂ anatase (101) surface. <i>Applied Surface Science</i> , 2011, 258, 1192-1198. | 3.1 | 31 |
| 1321 | The distinction between ore processing and post-depositional transformation on the speciation of arsenic and antimony in mine waste and sediment. <i>Chemical Geology</i> , 2011, 283, 109-118. | 1.4 | 46 |
| 1322 | Adsorption capacity of iron- or manganese-modified zeolite-rich tuffs for As(III) and As(V) water pollutants. <i>Applied Clay Science</i> , 2011, 54, 206-216. | 2.6 | 64 |
| 1323 | Geochemical environment of Cenomanian - Turonian black shale deposition at Wunstorf (northern Tj ETQq1 1 0.784314 rgBT/Overlo | 0.6 | 57 |
| 1324 | Alteration of ferrihydrite reductive dissolution and transformation by adsorbed As and structural Al: Implications for As retention. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 870-886. | 1.6 | 73 |
| 1325 | Permanganate oxidation of arsenic(III): Reaction stoichiometry and the characterization of solid product. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4713-4727. | 1.6 | 42 |
| 1326 | Molecular-level modes of As binding to Fe(III) (oxyhydr)oxides precipitated by the anaerobic nitrate-reducing Fe(II)-oxidizing <i>Acidovorax</i> sp. strain BoFeN1. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4699-4712. | 1.6 | 99 |
| 1327 | Microbial sulfidogenesis in ferrihydrite-rich environments: Effects on iron mineralogy and arsenic mobility. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3072-3087. | 1.6 | 134 |
| 1328 | Arsenic uptake by natural calcite: An XAS study. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3011-3023. | 1.6 | 68 |
| 1329 | Siderite dissolution in the presence of chromate. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4951-4962. | 1.6 | 17 |
| 1330 | Defining the distribution of arsenic species and plant nutrients in rice (<i>Oryza sativa</i> L.) from the root to the grain. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6655-6671. | 1.6 | 75 |
| 1331 | Erosion and physical transport via overland flow of arsenic and lead bound to silt-sized particles. <i>Geomorphology</i> , 2011, 128, 85-91. | 1.1 | 14 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1332 | The Mazarrón Pb–(Ag)–Zn mining district (SE Spain) as a source of heavy metal contamination in a semiarid realm: Geochemical data from mine wastes, soils, and stream sediments. <i>Journal of Geochemical Exploration</i> , 2011, 109, 113-124. | 1.5 | 46 |
| 1333 | A laboratory batch study on arsenic sorption and desorption on guava orchard soils of Baruipur, West Bengal, India. <i>Journal of Geochemical Exploration</i> , 2011, 108, 157-162. | 1.5 | 23 |
| 1334 | Determination of arsenic concentration and distribution in the Floridan Aquifer System. <i>Journal of Geochemical Exploration</i> , 2011, 111, 84-96. | 1.5 | 20 |
| 1335 | Geochemical and mineralogical control on the mobility of arsenic in a waste rock pile at Dlouhý Ves, Czech Republic. <i>Journal of Geochemical Exploration</i> , 2011, 110, 61-73. | 1.5 | 41 |
| 1336 | The effect of Ca–Fe–As coatings on microbial leaching of metals in arsenic bearing mine waste. <i>Journal of Geochemical Exploration</i> , 2011, 110, 23-30. | 1.5 | 11 |
| 1337 | The sources of geogenic arsenic in aquifers at Datong basin, northern China: Constraints from isotopic and geochemical data. <i>Journal of Geochemical Exploration</i> , 2011, 110, 155-166. | 1.5 | 35 |
| 1338 | Apoptosis of peripheral blood mononuclear cells in children exposed to arsenic and fluoride. <i>Environmental Toxicology and Pharmacology</i> , 2011, 32, 399-405. | 2.0 | 46 |
| 1339 | Evaluation of arsenic levels in grain crops samples, irrigated by tube well and canal water. <i>Food and Chemical Toxicology</i> , 2011, 49, 265-270. | 1.8 | 53 |
| 1340 | Health risks from large-scale water pollution: Trends in Central Asia. <i>Environment International</i> , 2011, 37, 435-442. | 4.8 | 96 |
| 1341 | Effects of water chemistry on arsenic removal from drinking water by electrocoagulation. <i>Water Research</i> , 2011, 45, 384-392. | 5.3 | 208 |
| 1342 | As(III) removal by hybrid reactive membrane process combined with ozonation. <i>Water Research</i> , 2011, 45, 1933-1940. | 5.3 | 29 |
| 1343 | Magnetic binary oxide particles (MBOP): A promising adsorbent for removal of As (III) in water. <i>Water Research</i> , 2011, 45, 4769-4781. | 5.3 | 124 |
| 1344 | Prediction of contamination potential of groundwater arsenic in Cambodia, Laos, and Thailand using artificial neural network. <i>Water Research</i> , 2011, 45, 5535-5544. | 5.3 | 115 |
| 1345 | Absorption and heterogeneous oxidation of As(III) on ferrihydrite. <i>Water Research</i> , 2011, 45, 6496-6504. | 5.3 | 146 |
| 1346 | Synergistic effect of coupling zero-valent iron with iron oxide-coated sand in columns for chromate and arsenate removal from groundwater: Influences of humic acid and the reactive media configuration. <i>Water Research</i> , 2011, 45, 6575-6584. | 5.3 | 35 |
| 1347 | Transformation of arsenic in offshore sediment under the impact of anaerobic microbial activities. <i>Water Research</i> , 2011, 45, 6781-6788. | 5.3 | 67 |
| 1348 | Arsenic and its speciation in water samples by high performance liquid chromatography inductively coupled plasma mass spectrometry—Last decade review. <i>Talanta</i> , 2011, 84, 247-261. | 2.9 | 122 |
| 1349 | Continuous flow method for the simultaneous determination of phosphate/arsenate based on their different kinetic characteristics. <i>Talanta</i> , 2011, 85, 1310-1316. | 2.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1350 | Synthesis, characterization and application of a novel mercapto- and amine-bifunctionalized silica for speciation/sorption of inorganic arsenic prior to inductively coupled plasma mass spectrometric determination. <i>Talanta</i> , 2011, 85, 1517-1525. | 2.9 | 40 |
| 1351 | Voltammetric determination of arsenic in high iron and manganese groundwaters. <i>Talanta</i> , 2011, 85, 1404-1411. | 2.9 | 25 |
| 1352 | Colorimetric-solid phase extraction method for trace level determination of arsenite in water. <i>Talanta</i> , 2011, 86, 64-70. | 2.9 | 18 |
| 1353 | Taxonomic and functional prokaryote diversity in mildly arsenic-contaminated sediments. <i>Research in Microbiology</i> , 2011, 162, 877-887. | 1.0 | 51 |
| 1354 | <i>Geobacter</i> . <i>Advances in Microbial Physiology</i> , 2011, 59, 1-100. | 1.0 | 541 |
| 1355 | Removal of Arsenic from Water by Electrocoagulation and Electrodialysis Techniques. <i>Separation and Purification Reviews</i> , 2011, 40, 25-42. | 2.8 | 162 |
| 1357 | Development of a Test System for Homeopathic Preparations Using Impaired Duckweed (<i>Lemna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.1 | 8 |
| 1358 | Correlates of Arsenic Mobilization into the Groundwater in El Paso, Texas. <i>Air, Soil and Water Research</i> , 2011, 4, ASWR.S6356. | 1.2 | 4 |
| 1359 | Characteristics of Arsenic Removal by <i>Bacillus cereus</i> Strain W2. <i>Resources Processing</i> , 2011, 58, 101-107. | 0.4 | 15 |
| 1360 | Organic matter mineralization and trace element post-depositional redistribution in Western Siberia thermokarst lake sediments. <i>Biogeosciences</i> , 2011, 8, 3341-3358. | 1.3 | 64 |
| 1361 | Adsorption of arsenite on synthetic composite adsorbent with Mg-Al-La-Ce oxides. , 2011, , . | | 0 |
| 1362 | ARSENIC INCORPORATION IN COLEMANITE FROM BORATE DEPOSITS: DATA FROM ICP-MS, Â-SXRF, XAFS AND EPR ANALYSES. <i>Canadian Mineralogist</i> , 2011, 49, 809-822. | 0.3 | 15 |
| 1363 | Environmental prediction, risk assessment and extreme events: adaptation strategies for the developing world. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 4768-4797. | 1.6 | 24 |
| 1364 | Bassin d'oued Serrat : terrils et rejets domestiques, reconnaissance des mÃ©taux lourds et polluants, impact sur les eaux souterraines (nord-ouest de la Tunisie). <i>Revue Des Sciences De L'Eau</i> , 0, 24, 159-175. | 0.2 | 13 |
| 1365 | Arsenic Removal from Contaminated Groundwater by Zero Valent Iron: a Mechanistic and Long-Term Performance Study. <i>Soils and Foundations</i> , 2011, 51, 369-377. | 1.3 | 13 |
| 1366 | Inorganic Arsenic Speciation in Groundwater Samples Using Electrothermal Atomic Spectrometry Following Selective Separation and Cloud Point Extraction. <i>Analytical Sciences</i> , 2011, 27, 439-445. | 0.8 | 15 |
| 1367 | Potential of barnyard grass to remediate arsenicâ€contaminated soil. <i>Weed Biology and Management</i> , 2011, 11, 12-17. | 0.6 | 16 |
| 1368 | Serpentinites act as sponges for fluidâ€mobile elements in abyssal and subduction zone environments. <i>Terra Nova</i> , 2011, 23, 171-178. | 0.9 | 125 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1369 | Millennium development goals and the water target: details, definitions and debate. <i>Tropical Medicine and International Health</i> , 2011, 16, 540-544. | 1.0 | 32 |
| 1370 | Extraction of hazardous elements by water from contaminated rocks: An experimental study. <i>Geochemistry International</i> , 2011, 49, 1239-1262. | 0.2 | 9 |
| 1371 | How prokaryotes deal with arsenic. <i>Environmental Microbiology Reports</i> , 2012, 4, 571-586. | 1.0 | 136 |
| 1372 | Desorption of arsenic from clay and humic acid-coated clay by dissolved phosphate and silicate. <i>Journal of Contaminant Hydrology</i> , 2011, 126, 216-225. | 1.6 | 41 |
| 1373 | Remediation technologies for heavy metal contaminated groundwater. <i>Journal of Environmental Management</i> , 2011, 92, 2355-2388. | 3.8 | 697 |
| 1374 | Iron and aluminium based adsorption strategies for removing arsenic from water. <i>Journal of Environmental Management</i> , 2011, 92, 3011-3022. | 3.8 | 272 |
| 1375 | Synthesis of magnetic wheat straw for arsenic adsorption. <i>Journal of Hazardous Materials</i> , 2011, 193, 10-16. | 6.5 | 180 |
| 1376 | High efficiency removal of dissolved As(III) using iron nanoparticle-embedded macroporous polymer composites. <i>Journal of Hazardous Materials</i> , 2011, 192, 1002-1008. | 6.5 | 91 |
| 1377 | Removal of arsenic and methylene blue from water by granular activated carbon media impregnated with zirconium dioxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2011, 193, 296-303. | 6.5 | 86 |
| 1378 | Assessing the mechanisms controlling the mobilization of arsenic in the arsenic contaminated shallow alluvial aquifer in the blackfoot disease endemic area. <i>Journal of Hazardous Materials</i> , 2011, 197, 397-403. | 6.5 | 32 |
| 1379 | Novel KMnO ₄ -modified iron oxide for effective arsenite removal. <i>Journal of Hazardous Materials</i> , 2011, 198, 1-6. | 6.5 | 28 |
| 1380 | Effect of inorganic and organic ligands on the sorption/desorption of arsenate on/from Al-Mg and Fe-Mg layered double hydroxides. <i>Journal of Hazardous Materials</i> , 2011, 198, 291-298. | 6.5 | 52 |
| 1381 | Tidally driven water column hydro-geochemistry in a remediating acidic wetland. <i>Journal of Hydrology</i> , 2011, 409, 128-139. | 2.3 | 17 |
| 1382 | Effect of groundwater flow on forming arsenic contaminated groundwater in Sonargaon, Bangladesh. <i>Journal of Hydrology</i> , 2011, 409, 724-736. | 2.3 | 23 |
| 1383 | Arsenic(III) removal performances in the absence/presence of groundwater occurring ions of agglomerated Fe(III)-Al(III) mixed oxide nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 834-844. | 2.9 | 35 |
| 1384 | Association between urinary arsenic and diabetes mellitus in the Korean general population according to KNHANES 2008. <i>Science of the Total Environment</i> , 2011, 409, 4054-4062. | 3.9 | 47 |
| 1385 | Arsenic accumulation in irrigated agricultural soils in Northern Greece. <i>Science of the Total Environment</i> , 2011, 409, 4802-4810. | 3.9 | 44 |
| 1386 | Biogeochemical cycling of arsenic in coastal salinized aquifers: Evidence from sulfur isotope study. <i>Science of the Total Environment</i> , 2011, 409, 4818-4830. | 3.9 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1387 | Arsenic biotransformation by arsenic-resistant fungi <i>Trichoderma asperellum</i> SM-12F1, <i>Penicillium janthinellum</i> SM-12F4, and <i>Fusarium oxysporum</i> CZ-8F1. <i>Science of the Total Environment</i> , 2011, 409, 5057-5062. | 3.9 | 53 |
| 1388 | Arsenic-contaminated cold-spring water in mountainous areas of Hui County, Northwest China: A new source of arsenic exposure. <i>Science of the Total Environment</i> , 2011, 409, 5513-5516. | 3.9 | 1 |
| 1389 | A systematic examination of a random sampling strategy for source apportionment calculations. <i>Science of the Total Environment</i> , 2011, 412-413, 232-238. | 3.9 | 56 |
| 1390 | Land-ocean contributions of arsenic through a river-estuary-ria system (SW Europe) under the influence of arsenopyrite deposits in the fluvial basin. <i>Science of the Total Environment</i> , 2011, 412-413, 304-314. | 3.9 | 17 |
| 1391 | Simultaneous removal of chromium and arsenate from contaminated groundwater by ferrous sulfate: Batch uptake behavior. <i>Journal of Environmental Sciences</i> , 2011, 23, 372-380. | 3.2 | 20 |
| 1392 | Effect of water regimes and organic matters on transport of arsenic in summer rice (<i>Oryza sativa</i> L.). <i>Journal of Environmental Sciences</i> , 2011, 23, 633-639. | 3.2 | 62 |
| 1393 | Arsenic removal from real arsenic-bearing groundwater by adsorption on iron-oxide-coated natural rock (IOCNR). <i>Desalination</i> , 2011, 280, 72-79. | 4.0 | 69 |
| 1394 | Removal of arsenic from drinking water using modified natural zeolite. <i>Desalination</i> , 2011, 281, 396-403. | 4.0 | 118 |
| 1395 | Zero-valent iron and iron oxide-coated sand as a combination for removal of co-present chromate and arsenate from groundwater with humic acid. <i>Environmental Pollution</i> , 2011, 159, 377-382. | 3.7 | 43 |
| 1396 | Hydrogeological and biogeochemical constrains of arsenic mobilization in shallow aquifers from the Hetao basin, Inner Mongolia. <i>Environmental Pollution</i> , 2011, 159, 876-883. | 3.7 | 120 |
| 1397 | Rapid biotransformation of arsenic by a model protozoan <i>Tetrahymena thermophila</i> . <i>Environmental Pollution</i> , 2011, 159, 837-840. | 3.7 | 42 |
| 1398 | Arsenic strongly associates with ferrihydrite colloids formed in a soil effluent. <i>Environmental Pollution</i> , 2011, 159, 1398-1405. | 3.7 | 71 |
| 1399 | Arsenic and Mn levels in <i>Isaza</i> (<i>Gymnogobius isaza</i>) during the mass mortality event in Lake Biwa, Japan. <i>Environmental Pollution</i> , 2011, 159, 2789-2796. | 3.7 | 13 |
| 1400 | Contrasting controls on arsenic and lead budgets for a degraded peatland catchment in Northern England. <i>Environmental Pollution</i> , 2011, 159, 3129-3133. | 3.7 | 18 |
| 1401 | Inorganic arsenic and trace elements in Ghanaian grain staples. <i>Environmental Pollution</i> , 2011, 159, 2435-2442. | 3.7 | 82 |
| 1402 | Geochemistry and groundwater contamination in the La Selva geothermal system (Girona, Northeast) Tj ETQq1 1 0,784314 rrgBT /Overle 1.5 23 | 3.7 | 23 |
| 1403 | Effect of cerium valence on As(V) adsorption by cerium-doped titanium dioxide adsorbents. <i>Chemical Engineering Journal</i> , 2011, 175, 207-212. | 6.6 | 17 |
| 1404 | Selective separation of arsenic species from aqueous solutions with immobilized macrocyclic material containing solid phase extraction columns. <i>Chemosphere</i> , 2011, 82, 549-556. | 4.2 | 34 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1405 | Speciation and transport of arsenic in an acid sulfate soil-dominated catchment, eastern Australia. <i>Chemosphere</i> , 2011, 82, 879-887. | 4.2 | 19 |
| 1406 | Hematological, biochemical and ionoregulatory responses of Indian major carp <i>Catla catla</i> during chronic sublethal exposure to inorganic arsenic. <i>Chemosphere</i> , 2011, 82, 977-985. | 4.2 | 130 |
| 1407 | Adsorptive removal of As(III) by biogenic schwertmannite from simulated As-contaminated groundwater. <i>Chemosphere</i> , 2011, 83, 295-301. | 4.2 | 98 |
| 1408 | Occurrence and treatment of arsenic in groundwater and soil in northern Mexico and southwestern USA. <i>Chemosphere</i> , 2011, 83, 211-225. | 4.2 | 169 |
| 1409 | Arsenic release from arsenic-bearing Fe-Mn binary oxide: Effects of Eh condition. <i>Chemosphere</i> , 2011, 83, 1020-1027. | 4.2 | 32 |
| 1410 | Influences of redox transformation, metal complexation and aggregation of fulvic acid and humic acid on Cr(VI) and As(V) removal by zero-valent iron. <i>Chemosphere</i> , 2011, 84, 234-240. | 4.2 | 62 |
| 1411 | One-step synthesis of mesoporous two-line ferrihydrite for effective elimination of arsenic contaminants from natural water. <i>Dalton Transactions</i> , 2011, 40, 2062. | 1.6 | 38 |
| 1412 | Arsenic geochemistry of groundwater in Southeast Asia. <i>Frontiers of Medicine</i> , 2011, 5, 420-433. | 1.5 | 92 |
| 1413 | Thermodynamics of arsenates, selenites, and sulfates in the oxidation zone of sulfide ores: Part III: Eh-pH diagrams of the Me-As-H ₂ O systems (Me = Co, Ni, Fe, Cu, Zn, Pb) at 25°C. <i>Geology of Ore Deposits</i> , 2011, 53, 501-513. | 0.2 | 7 |
| 1414 | Influence of combined pollution of antimony and arsenic on culturable soil microbial populations and enzyme activities. <i>Ecotoxicology</i> , 2011, 20, 9-19. | 1.1 | 62 |
| 1415 | Distribution and seasonal dynamics of arsenic in a shallow lake in northwestern New Jersey, USA. <i>Environmental Geochemistry and Health</i> , 2011, 33, 1-22. | 1.8 | 25 |
| 1416 | Heavy metals in sediments of the Yarlung Tsangpo and its connection with the arsenic problem in the Ganges-Brahmaputra Basin. <i>Environmental Geochemistry and Health</i> , 2011, 33, 23-32. | 1.8 | 35 |
| 1417 | A comparative study on arsenic and humic substances in alluvial aquifers of Bengal delta plain (NW) mobilization mechanisms. <i>Environmental Geochemistry and Health</i> , 2011, 33, 235-258. | 1.8 | 29 |
| 1418 | Removal of arsenate from water by adsorbents: a comparative case study. <i>Environmental Geochemistry and Health</i> , 2011, 33, 133-141. | 1.8 | 17 |
| 1419 | Abiotic subsurface behaviors of As(V) with Fe(II). <i>Environmental Geochemistry and Health</i> , 2011, 33, 13-22. | 1.8 | 8 |
| 1420 | Natural attenuation of arsenic in the wetland system around abandoned mining area. <i>Environmental Geochemistry and Health</i> , 2011, 33, 71-80. | 1.8 | 12 |
| 1421 | Arsenic and trace metals in river water and sediments from the southeast portion of the Iron Quadrangle, Brazil. <i>Environmental Monitoring and Assessment</i> , 2011, 172, 631-642. | 1.3 | 28 |
| 1422 | Determination of arsenic content of some Romanian natural mineral groundwaters. <i>Environmental Monitoring and Assessment</i> , 2011, 173, 79-89. | 1.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1423 | Groundwater arsenic contamination in Brahmaputra river basin: a water quality assessment in Golaghat (Assam), India. <i>Environmental Monitoring and Assessment</i> , 2011, 173, 371-385. | 1.3 | 87 |
| 1424 | Nanominerals and nanoparticles in feed coal and bottom ash: implications for human health effects. <i>Environmental Monitoring and Assessment</i> , 2011, 174, 187-197. | 1.3 | 82 |
| 1425 | Response of cyanobacteria to arsenic toxicity. <i>Journal of Applied Phycology</i> , 2011, 23, 293-299. | 1.5 | 35 |
| 1426 | Al nanoclusters in coagulants and granulates: application in arsenic removal from water. <i>Reviews in Environmental Science and Biotechnology</i> , 2011, 10, 111-117. | 3.9 | 12 |
| 1427 | Phase-controlled preparation of iron (oxyhydr)oxide nanocrystallines for heavy metal removal. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2853-2864. | 0.8 | 19 |
| 1428 | Study of iron oxide nanoparticles in soil for remediation of arsenic. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2387-2397. | 0.8 | 121 |
| 1429 | Bioremediation of a Soil Industrially Contaminated by Wood PreservativesâDegradation of Polycyclic Aromatic Hydrocarbons and Monitoring of Coupled Arsenic Translocation. <i>Water, Air, and Soil Pollution</i> , 2011, 214, 275-285. | 1.1 | 17 |
| 1430 | Phytosequestration of Metals in Selected Plants Growing on a Contaminated Okhla Industrial Areas, Okhla, New Delhi, India. <i>Water, Air, and Soil Pollution</i> , 2011, 217, 255-266. | 1.1 | 70 |
| 1431 | Sediment-bound Arsenic and Uranium Within the BowmanâHaley Reservoir, North Dakota. <i>Water, Air, and Soil Pollution</i> , 2011, 219, 27-42. | 1.1 | 11 |
| 1432 | Organic Arsenic in the Soil Environment: Speciation, Occurrence, Transformation, and Adsorption Behavior. <i>Water, Air, and Soil Pollution</i> , 2011, 219, 401-415. | 1.1 | 91 |
| 1433 | Effect of Superphosphate and Arbuscular Mycorrhizal Fungus <i>Glomus mosseae</i> on Phosphorus and Arsenic Uptake in Lentil (<i>Lens culinaris</i> L.). <i>Water, Air, and Soil Pollution</i> , 2011, 221, 169-182. | 1.1 | 14 |
| 1434 | Evaluating salinity sources of groundwater and implications for sustainable reverse osmosis desalination in coastal North Carolina, USA. <i>Hydrogeology Journal</i> , 2011, 19, 981-994. | 0.9 | 11 |
| 1435 | Relations of hydrogeologic factors, groundwater reduction-oxidation conditions, and temporal and spatial distributions of nitrate, Central-Eastside San Joaquin Valley, California, USA. <i>Hydrogeology Journal</i> , 2011, 19, 1203-1224. | 0.9 | 67 |
| 1436 | Arsenic and Antimony in Groundwater Flow Systems: A Comparative Study. <i>Aquatic Geochemistry</i> , 2011, 17, 775-807. | 1.5 | 33 |
| 1437 | Interacting Effect of pH, Phosphate and Time on the Release of Arsenic from Polluted River Sediments (AnllÃ³ns River, Spain). <i>Aquatic Geochemistry</i> , 2011, 17, 281-306. | 1.5 | 40 |
| 1438 | Thioarsenides: a case for long-range Lewis acidâbase-directed van der Waals interactions. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 267-291. | 0.3 | 12 |
| 1439 | Geographic Distribution of Arsenic and Trace Metals in Lotic Ecosystems of the Pampa Plain, Argentina. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 129-132. | 1.3 | 25 |
| 1440 | Arsenic in Air and Soil in the Vicinity of the Central Gas Station Molve, Croatia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 501-505. | 1.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1441 | Occurrence of Fluoride in Arsenic-Rich Surface Waters: A Case Study in the Pampa Plain, Argentina. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 87, 409-413. | 1.3 | 31 |
| 1442 | Determination of arsenic levels in the water resources of Aksaray Province, Turkey. <i>Journal of Environmental Management</i> , 2011, 92, 2182-2192. | 3.8 | 31 |
| 1443 | Kinetics and mechanism of arsenate removal by nanosized iron oxide-coated perlite. <i>Journal of Hazardous Materials</i> , 2011, 187, 89-95. | 6.5 | 57 |
| 1444 | Magnetic separation of hematite-coated Fe ₃ O ₄ particles used as arsenic adsorbents. <i>Chemical Engineering Journal</i> , 2011, 168, 1008-1015. | 6.6 | 110 |
| 1445 | Comparison of Cr(VI) and As(V) removal in single and binary mixtures with Fe(III)-treated <i>Staphylococcus xylosus</i> biomass: Thermodynamic studies. <i>Chemical Engineering Journal</i> , 2011, 169, 100-106. | 6.6 | 38 |
| 1446 | Performance and mechanism of simultaneous removal of chromium and arsenate by Fe(II) from contaminated groundwater. <i>Separation and Purification Technology</i> , 2011, 80, 179-185. | 3.9 | 42 |
| 1447 | Distribution of Heavy Metal Contents and Chemical Fractions in Anaerobically Digested Manure Slurry. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 268-282. | 1.4 | 78 |
| 1448 | Evaluation of Toxic Risk Assessment of Arsenic in Male Subjects Through Drinking Water in Southern Sindh Pakistan. <i>Biological Trace Element Research</i> , 2011, 143, 772-786. | 1.9 | 21 |
| 1449 | Correlation Between Arsenic Concentration in Fish and Human Scalp Hair of People Living in Arsenic-Contaminated and Noncontaminated Areas of Pakistan. <i>Biological Trace Element Research</i> , 2011, 144, 197-204. | 1.9 | 13 |
| 1450 | Arsenic-resistant <i>Pseudomonas</i> spp. and <i>Bacillus</i> sp. bacterial strains reducing As(V) to As(III), isolated from Alps soils, Italy. <i>Folia Microbiologica</i> , 2011, 56, 29-35. | 1.1 | 6 |
| 1451 | Kinetic Model of Arsenic Sorption onto Zero-Valent Iron (ZVI). <i>Water Quality, Exposure, and Health</i> , 2011, 2, 125-132. | 1.5 | 35 |
| 1452 | The Source of Natural Arsenic Contamination in Groundwater, West of Iran. <i>Water Quality, Exposure, and Health</i> , 2011, 3, 135-147. | 1.5 | 51 |
| 1453 | Distribution of arsenic in sewage irrigation area of Pearl River Delta, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2011, 22, 396-410. | 1.1 | 23 |
| 1454 | Temporal variations in arsenic concentration in the groundwater of Murshidabad District, West Bengal, India. <i>Environmental Earth Sciences</i> , 2011, 62, 223-232. | 1.3 | 46 |
| 1455 | Natural arsenic contamination in waters from the Pesariis village, NE Italy. <i>Environmental Earth Sciences</i> , 2011, 62, 481-491. | 1.3 | 16 |
| 1456 | A study of arsenic, iron and other dissolved ion variations in the groundwater of Bishnupur District, Manipur, India. <i>Environmental Earth Sciences</i> , 2011, 62, 1183-1195. | 1.3 | 55 |
| 1457 | Arsenic Eh-pH diagrams at 25°C and 1Âbar. <i>Environmental Earth Sciences</i> , 2011, 62, 1673-1683. | 1.3 | 100 |
| 1458 | Distinguishing potential sources of arsenic released to groundwater around a fault zone containing a mine site. <i>Environmental Earth Sciences</i> , 2011, 63, 595-608. | 1.3 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1459 | Chemistry of the Ferraria thermal water, S. Miguel Island, Azores: mixing and precipitation processes. <i>Environmental Earth Sciences</i> , 2011, 64, 539-547. | 1.3 | 13 |
| 1460 | Weathering fluxes of arsenic from a small catchment in Slovak Republic. <i>Environmental Earth Sciences</i> , 2011, 64, 549-555. | 1.3 | 4 |
| 1461 | Arsenic associations in sediments from shallow aquifers of northwestern Hetao Basin, Inner Mongolia. <i>Environmental Earth Sciences</i> , 2011, 64, 2001-2011. | 1.3 | 34 |
| 1462 | Impact of selected solution factors on arsenate and arsenite removal by nanoiron particles. <i>Environmental Science and Pollution Research</i> , 2011, 18, 857-864. | 2.7 | 41 |
| 1463 | An integrated geochemical and mineralogical approach for the evaluation of arsenic mobility in mining soils. <i>Journal of Soils and Sediments</i> , 2011, 11, 37-52. | 1.5 | 22 |
| 1464 | Effects of inorganic arsenic on growth and microcystin production of a <i>Microcystis</i> strain isolated from an algal bloom in Dianchi Lake, China. <i>Science Bulletin</i> , 2011, 56, 2337-2342. | 1.7 | 20 |
| 1465 | Arsenic release by indigenous bacteria <i>Bacillus cereus</i> from aquifer sediments at Datong Basin, northern China. <i>Frontiers of Earth Science</i> , 2011, 5, 37-44. | 0.9 | 23 |
| 1466 | Migration of manganese and iron during the adsorption-regeneration cycles for arsenic removal. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 512-518. | 0.8 | 1 |
| 1467 | Efficient polymers in conjunction with membranes to remove As(V) generated <i>in situ</i> by electrocatalytic oxidation. <i>Polymers for Advanced Technologies</i> , 2011, 22, 414-419. | 1.6 | 11 |
| 1468 | Arsenic: toxicity, oxidative stress and human disease. <i>Journal of Applied Toxicology</i> , 2011, 31, 95-107. | 1.4 | 1,038 |
| 1469 | Removal of arsenic from aqueous solutions by an adsorption process with titania-silica binary oxide nanoparticle loaded polyacrylonitrile polymer. <i>Journal of Applied Polymer Science</i> , 2011, 119, 3495-3503. | 1.3 | 16 |
| 1470 | Removal of hazardous metal ions from wastewater by radiation synthesized silica-graft-dimethylaminoethyl methacrylate adsorbent. <i>Chemical Engineering Journal</i> , 2011, 170, 162-169. | 6.6 | 49 |
| 1471 | Long term performance of an arsenite-oxidizing-chlorate-reducing microbial consortium in an upflow anaerobic sludge bed (UASB) bioreactor. <i>Bioresource Technology</i> , 2011, 102, 5010-5016. | 4.8 | 23 |
| 1472 | Conversion of fern (<i>Pteris vittata</i> L.) biomass from a phytoremediation trial in sub- and supercritical water conditions. <i>Biomass and Bioenergy</i> , 2011, 35, 872-883. | 2.9 | 64 |
| 1473 | Influence of groundwater occurring ions on the kinetics of As(III) adsorption reaction with synthetic nanostructured Fe(III)-Cr(III) mixed oxide. <i>Desalination</i> , 2011, 266, 25-32. | 4.0 | 27 |
| 1474 | Experimental investigation on arsenic removal with a nanofiltration pilot plant from naturally contaminated groundwater. <i>Desalination</i> , 2011, 274, 1-6. | 4.0 | 65 |
| 1475 | Fate and distribution of arsenic in laboratory-scale subsurface horizontal-flow constructed wetlands treating an artificial wastewater. <i>Ecological Engineering</i> , 2011, 37, 1214-1224. | 1.6 | 33 |
| 1476 | Removal of arsenic from drinking water by the electrocoagulation using Fe and Al electrodes. <i>Electrochimica Acta</i> , 2011, 56, 5060-5070. | 2.6 | 185 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 1477 | Review of trace toxic elements (Pb, Cd, Hg, As, Sb, Bi, Se, Te) and their department in gold processing. Part 1: Mineralogy, aqueous chemistry and toxicity. Hydrometallurgy, 2011, 107, 91-100. | 1.8 | 55 |
| 1478 | Mechanism of the enhancement of bioleaching of copper from enargite by thermophilic iron-oxidizing archaea with the concomitant precipitation of arsenic. Hydrometallurgy, 2011, 109, 90-96. | 1.8 | 36 |
| 1479 | Synthesis of MWCNT/MnO ₂ and their application for simultaneous oxidation of arsenite and sorption of arsenate. Applied Catalysis B: Environmental, 2011, 106, 46-46. | 10.8 | 92 |
| 1480 | Groundwater pollution with special focus on arsenic, Dera Ghazi Khan-Pakistan. Journal of Saudi Chemical Society, 2011, 15, 39-47. | 2.4 | 57 |
| 1481 | Modified native cellulose fibers—A novel efficient adsorbent for both fluoride and arsenic. Journal of Hazardous Materials, 2011, 185, 93-100. | 6.5 | 140 |
| 1482 | Assessing the characteristics of groundwater quality of arsenic contaminated aquifers in the blackfoot disease endemic area. Journal of Hazardous Materials, 2011, 185, 1458-1466. | 6.5 | 27 |
| 1483 | Arsenic stability in arsenopyrite-rich cemented paste backfills: A leaching test-based assessment. Journal of Hazardous Materials, 2011, 185, 1467-1476. | 6.5 | 65 |
| 1484 | Arsenate adsorption and desorption kinetics on a Fe(III)-modified montmorillonite. Journal of Hazardous Materials, 2011, 186, 1713-1719. | 6.5 | 72 |
| 1485 | Removal of arsenite from water by synthetic siderite: Behaviors and mechanisms. Journal of Hazardous Materials, 2011, 186, 1847-1854. | 6.5 | 73 |
| 1486 | Surface complexation modeling of the removal of arsenic from ion-exchange waste brines with ferric chloride. Journal of Hazardous Materials, 2011, 188, 399-407. | 6.5 | 36 |
| 1487 | Determination of As(III) and total inorganic As in water samples using an on-line solid phase extraction and flow injection hydride generation atomic absorption spectrometry. Journal of Hazardous Materials, 2011, 188, 311-318. | 6.5 | 40 |
| 1488 | Sorption of arsenite and arsenate on ferrihydrite: Effect of organic and inorganic ligands. Journal of Hazardous Materials, 2011, 189, 564-571. | 6.5 | 109 |
| 1489 | Arsenate removal from aqueous solution by cellulose-carbonated hydroxyapatite nanocomposites. Journal of Hazardous Materials, 2011, 189, 755-763. | 6.5 | 63 |
| 1490 | Removal of aqueous As(III) and As(V) by hydrous titanium dioxide. Journal of Colloid and Interface Science, 2011, 353, 257-262. | 5.0 | 77 |
| 1491 | Arsenic hazards in coal fly ash and its fate in Indian scenario. Resources, Conservation and Recycling, 2011, 55, 819-835. | 5.3 | 182 |
| 1492 | Treatment of potable water containing low concentration of arsenic with electrocoagulation: Different connection modes and Fe-Al electrodes. Separation and Purification Technology, 2011, 77, 283-293. | 3.9 | 152 |
| 1493 | Multicommutation flow techniques in the hydride generation-atomic fluorescence determination of arsenic. TrAC - Trends in Analytical Chemistry, 2011, 30, 761-770. | 5.8 | 13 |
| 1494 | Arsenic Pollution by Chromated-Copper-Arsenate Treated Woody Debris. , 2011, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1495 | Removal of arsenic from aqueous environments by native and chemically modified biomass of <i>Aspergillus niger</i> and <i>Neosartorya fischeri</i> . Environmental Technology (United Kingdom), 2011, 32, 1077-1083. | 0.6 | 17 |
| 1496 | High geochemical background of potentially harmful elements in soils and sediments: implications for the remediation of contaminated sites. Chemistry and Ecology, 2011, 27, 131-141. | 0.6 | 17 |
| 1497 | Adsorption of arsenite from aqueous solutions by cerium-loaded cation exchange resin. , 2011, , . | | 0 |
| 1498 | Natural contamination with arsenic and other trace elements in groundwater of the Central-West region of Chaco, Argentina. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1197-1206. | 0.9 | 15 |
| 1499 | Distribution and treatment of groundwater contaminated by both fluoride and arsenic. , 2011, , . | | 0 |
| 1500 | Arsenic(III,V) Adsorption on Iron-Oxide-Coated Manganese Sand and Quartz Sand: Comparison of Different Carriers and Adsorption Capacities. Environmental Engineering Science, 2011, 28, 643-651. | 0.8 | 30 |
| 1501 | Arsenate Resistance in the Unicellular Marine Diazotroph <i>Crocospaera watsonii</i> . Frontiers in Microbiology, 2011, 2, 214. | 1.5 | 31 |
| 1502 | Biotransformation and Volatilization of Arsenic by Three Photosynthetic Cyanobacteria. Plant Physiology, 2011, 156, 1631-1638. | 2.3 | 171 |
| 1503 | Arsenic geochemistry and human health in South East Asia. Reviews on Environmental Health, 2011, 26, 71-78. | 1.1 | 143 |
| 1504 | Induction of Human Squamous Cell-Type Carcinomas by Arsenic. Journal of Skin Cancer, 2011, 2011, 1-9. | 0.5 | 25 |
| 1505 | Mobility and fractionation of arsenic, chromium and copper in thermally treated soil. Waste Management and Research, 2011, 29, 3-12. | 2.2 | 17 |
| 1506 | Notice of Retraction: Oxidation of As(III) by Hydrous Manganese Oxide: Effect of Carbonate. , 2011, , . | | 0 |
| 1507 | Notice of Retraction: Occurrence of Arsenic in Urban Area of Pizhou, China. , 2011, , . | | 0 |
| 1508 | Treatment and remediation methods for arsenic removal from the ground water. International Journal of Environmental Engineering, 2011, 3, 48. | 0.1 | 49 |
| 1509 | Monitoring and Surveillance of Groundwater Arsenic Contamination in the Brahmaputra Floodplain in Assam. , 2011, , . | | 4 |
| 1510 | Arsenic and polymetallic anomalies in the Neogene-Quaternary sequence of La Botte borehole in the Scarlino Plain (Grosseto) Southern Tuscany Italy. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2011, 188, 87-98. | 0.1 | 3 |
| 1511 | A sodium calcium arsenate, NaCa(AsO ₄). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, i69-i69. | 0.2 | 0 |
| 1512 | Arsenic Species Transformation and Transportation in Arsenic Removal by Fe-Mn Binary Oxide-Coated Diatomite: Pilot-Scale Field Study. Journal of Environmental Engineering, ASCE, 2011, 137, 1122-1127. | 0.7 | 14 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1513 | The role of orthophosphate and dissolved oxygen in the performance of arsenic-iron removal plants in Bangladesh. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 426-435. | 0.9 | 4 |
| 1514 | Fly ash-brine interactions: Removal of major and trace elements from brine. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1648-1666. | 0.9 | 6 |
| 1515 | A performance assessment of arsenic-iron removal plants in the Manikganj District of Bangladesh. <i>Journal of Water and Health</i> , 2011, 9, 317-329. | 1.1 | 11 |
| 1516 | Individual Variations in Inorganic Arsenic Metabolism Associated with AS3MT Genetic Polymorphisms. <i>International Journal of Molecular Sciences</i> , 2011, 12, 2351-2382. | 1.8 | 85 |
| 1517 | Polyelectrolyte-Enhanced Ultrafiltration (PEUF) Process for Low Level Arsenic Removal: Recovery of Polyelectrolyte from Retentate Stream. <i>Advanced Materials Research</i> , 0, 506, 27-30. | 0.3 | 2 |
| 1518 | Effects of PH and Metal Cations on the Oxidation of as(III) by Pyrolusite. <i>Advanced Materials Research</i> , 2012, 610-613, 394-397. | 0.3 | 1 |
| 1519 | Primary Investigation and Analysis of Arsenic Contamination in Soil-Plant of Tin Mine in Gejiu. <i>Advanced Materials Research</i> , 2012, 518-523, 444-452. | 0.3 | 1 |
| 1520 | Arsenic Exposure and Hypertension: A Systematic Review. <i>Environmental Health Perspectives</i> , 2012, 120, 494-500. | 2.8 | 227 |
| 1521 | As(III) and As(V) Removal on Manganese Dioxide. <i>Advanced Materials Research</i> , 2012, 573-574, 39-42. | 0.3 | 1 |
| 1522 | An Analysis of the Distribution of Arsenic Groundwater in Northern Suburbs of Zhengzhou, China. <i>Advanced Materials Research</i> , 0, 455-456, 1384-1389. | 0.3 | 0 |
| 1523 | Assessing arsenic exposure from drinking water in children before and after the improvement of water supply in China. <i>International Journal on Disability and Human Development</i> , 2012, 11, . | 0.2 | 0 |
| 1524 | Hydrochemistry and baseline values of major and trace elements in tropical surface waters of the Terengganu River (Malaysia). <i>Water International</i> , 2012, 37, 1-15. | 0.4 | 7 |
| 1526 | Application of low-cost adsorbents for arsenic removal: A review. <i>Journal of Environmental Chemistry and Ecotoxicology</i> , 2012, 4, . | 0.2 | 28 |
| 1527 | Protective effect of curcumin against arsenic-induced apoptosis in murine splenocytes <i><i>in vitro</i></i> . <i>Journal of Immunotoxicology</i> , 2012, 9, 148-159. | 0.9 | 22 |
| 1528 | The Microbial Community of a Black Shale Pyrite Biofilm and its Implications for Pyrite Weathering. <i>Geomicrobiology Journal</i> , 2012, 29, 186-193. | 1.0 | 10 |
| 1529 | European Ground Water Geochemistry Using Bottled Water as a Sampling Medium. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2012, , 115-139. | 0.1 | 2 |
| 1530 | Arsenic speciation and other parameters of surface and ground water samples of Jamshoro, Pakistan. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 28-42. | 1.8 | 18 |
| 1532 | Potential Health Risk of Arsenic in Groundwater near Tongyu County, Western of Jilin Province: A Case Study for Health Risk Assessment Based on Triangular Fuzzy Number. <i>Advanced Materials Research</i> , 2012, 518-523, 982-986. | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1533 | Arsenic Toxicity: The Effects on Plant Metabolism. <i>Frontiers in Physiology</i> , 2012, 3, 182. | 1.3 | 607 |
| 1534 | Chemical composition of weathering products in neutral and acidic mine tailings from stibnite exploitation in Slovakia. <i>Journal of Geosciences (Czech Republic)</i> , 2012, , 327-340. | 0.3 | 5 |
| 1536 | Dissolution Characteristics and Morphology of Large-sized Scorodite Particles Synthesized from Fe(II) and As(V) in Aqueous Solution. <i>High Temperature Materials and Processes</i> , 2012, 31, 451-458. | 0.6 | 5 |
| 1537 | Redox reaction of Fe(0) with As(V) sorbed onto goethite-coated sand under anoxic conditions. <i>Geosystem Engineering</i> , 2012, 15, 33-43. | 0.7 | 1 |
| 1538 | Arsenic Contamination in the World: An International Sourcebook 2012. <i>Water Intelligence Online</i> , 0, 11, . | 0.3 | 25 |
| 1539 | Chemistry of Ozone in Water and Wastewater Treatment: From Basic Principles to Applications. , 2012, , . | | 236 |
| 1540 | The application of predictive geochemical modelling to determine backfill requirements at Turquoise Ridge Joint Venture, Nevada. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2012, 12, 339-347. | 0.5 | 1 |
| 1541 | CHEMICAL SPECIATION AND RELEASE OF ARSENIC TO GROUNDWATER IN SEINO BASINS, NOBI PLAIN. <i>Journal of Japan Society of Civil Engineers Ser C (Geosphere Engineering)</i> , 2012, 68, 670-679. | 0.1 | 0 |
| 1542 | Removal of arsenic from anthropogenic aqueous media: an analytical review with particular reference to solvent extraction technique. <i>Interdisciplinary Environmental Review</i> , 2012, 13, 127. | 0.1 | 0 |
| 1543 | Preparation and application of a magnetic composite (Mn ₃ O ₄ /Fe ₃ O ₄) for removal of As(III) from aqueous solutions. <i>Materials Research</i> , 2012, 15, 403-408. | 0.6 | 46 |
| 1544 | Inorganic arsenic and iron(II) distributions in sediment porewaters investigated by a combined DGT-colourimetric DET technique. <i>Environmental Chemistry</i> , 2012, 9, 31. | 0.7 | 18 |
| 1545 | Arsenic levels in tube-wells water, food, residents' urine and the prevalence of skin lesions in Yatenga province, Burkina Faso. <i>Interdisciplinary Toxicology</i> , 2012, 5, 38-41. | 1.0 | 25 |
| 1546 | The Effect of Phases in Nanoparticles Produced by Electrical Wire Explosion on Arsenic(III) Removal. <i>Materials Transactions</i> , 2012, 53, 739-744. | 0.4 | 2 |
| 1547 | Multivariate Statistical Analyses on Arsenic Occurrence in Rybnik Reservoir. <i>Archives of Environmental Protection</i> , 2012, 38, . | 1.1 | 0 |
| 1548 | Equilibrium and kinetic studies for the adsorption of arsenic from aqueous medium using Cyanex 301-impregnated natural and synthetic fibrous supports. <i>Interdisciplinary Environmental Review</i> , 2012, 13, 202. | 0.1 | 0 |
| 1549 | Arsenic contamination in water: a conceptual framework of policy options with particular reference to Bengal delta basin. <i>International Journal of Hydrology Science and Technology</i> , 2012, 2, 391. | 0.2 | 1 |
| 1550 | Immobilization of Arsenic(V) during the Transformation of Ferrihydrite: A Direct Speciation Study Using Synchrotron-based XAFS Spectroscopy. <i>Chemistry Letters</i> , 2012, 41, 270-271. | 0.7 | 10 |
| 1551 | Chlorite ⁺ —source of arsenic groundwater pollution in the Holocene aquifer of Bangladesh. <i>Geochemical Journal</i> , 2012, 46, 381-391. | 0.5 | 25 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1552 | Intraparticle Reduction of Arsenite (As(III)) by Nanoscale Zerovalent Iron (nZVI) Investigated with In Situ X-ray Absorption Spectroscopy. <i>Environmental Science & Technology</i> , 2012, 46, 7018-7026. | 4.6 | 127 |
| 1553 | The Fate of Arsenic in Soil-Plant Systems. <i>Reviews of Environmental Contamination and Toxicology</i> , 2012, 215, 1-37. | 0.7 | 115 |
| 1554 | Effect of Phosphate on the Particle Size of Ferric Oxyhydroxides Anchored onto Activated Carbon: As(V) Removal from Water. <i>Environmental Science & Technology</i> , 2012, 46, 9577-9583. | 4.6 | 58 |
| 1555 | Arsenic concentrations in groundwaters of Cyprus. <i>Journal of Hydrology</i> , 2012, 468-469, 94-100. | 2.3 | 30 |
| 1556 | The roles of pyrite and calcite in the mobilization of arsenic and lead from hydrothermally altered rocks excavated in Hokkaido, Japan. <i>Journal of Geochemical Exploration</i> , 2012, 119-120, 17-31. | 1.5 | 70 |
| 1557 | Arsenic attenuation in tailings at a former Cu-W-As mine, SW Finland. <i>Applied Geochemistry</i> , 2012, 27, 2289-2299. | 1.4 | 26 |
| 1558 | Iron-complexed adsorptive membrane for As(V) species in water. <i>Journal of Hazardous Materials</i> , 2012, 233-234, 131-139. | 6.5 | 14 |
| 1559 | Arsenic uptake by plants and possible phytoremediation applications: a brief overview. <i>Environmental Chemistry Letters</i> , 2012, 10, 217-224. | 8.3 | 156 |
| 1560 | Biogeochemical Behavior of Arsenic Species at Paranaguá Estuarine Complex, Southern Brazil. <i>Aquatic Geochemistry</i> , 2012, 18, 407-420. | 1.5 | 23 |
| 1561 | Arsenic bioremediation potential of a new arsenite-oxidizing bacterium <i>Stenotrophomonas</i> sp. MM-7 isolated from soil. <i>Biodegradation</i> , 2012, 23, 803-812. | 1.5 | 103 |
| 1562 | Study of arsenic (As) mobilization in the Ganga Alluvial Plain using neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 294, 241-246. | 0.7 | 4 |
| 1563 | Manganese-incorporated iron(III) oxide-graphene magnetic nanocomposite: synthesis, characterization, and application for the arsenic(III)-sorption from aqueous solution. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1. | 0.8 | 36 |
| 1564 | Environmental hazards of arsenic associated with black shales: a review on geochemistry, enrichment and leaching mechanism. <i>Reviews in Environmental Science and Biotechnology</i> , 2012, 11, 289-303. | 3.9 | 37 |
| 1565 | Evaluation of Arsenic Availability in Sulfidic Materials from Gold Mining Areas in Brazil. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 4679-4686. | 1.1 | 20 |
| 1566 | Competitive Sorption of Arsenate and Phosphate on Aluminum Mining By-product. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5433-5444. | 1.1 | 18 |
| 1567 | Effects of Competing Anions and Iron Bioreduction on Arsenic Desorption. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5707-5717. | 1.1 | 15 |
| 1568 | Arsenic accumulation and speciation in the submerged macrophyte <i>Ceratophyllum demersum</i> L.. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3969-3976. | 2.7 | 32 |
| 1569 | Toxicokinetics/toxicodynamics links bioavailability for assessing arsenic uptake and toxicity in three aquaculture species. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3868-3878. | 2.7 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1570 | Characterisation of organic matter and microbial communities in contrasting arsenic-rich Holocene and arsenic-poor Pleistocene aquifers, Red River Delta, Vietnam. <i>Applied Geochemistry</i> , 2012, 27, 315-325. | 1.4 | 57 |
| 1571 | Thioarsenate formation upon dissolution of orpiment and arsenopyrite. <i>Chemosphere</i> , 2012, 89, 1390-1398. | 4.2 | 80 |
| 1572 | Arsenic adsorption using copper (II) oxide nanoparticles. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1387-1396. | 2.7 | 252 |
| 1573 | Efficient arsenic(V) removal from water by ligand exchange fibrous adsorbent. <i>Water Research</i> , 2012, 46, 5541-5550. | 5.3 | 213 |
| 1574 | Arsenic Adsorption by Fe Loaded on RH-MCM-41 Synthesized from Rice Husk Silica. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 119-128. | 0.7 | 13 |
| 1575 | Manganese-incorporated iron(III) oxide-graphene magnetic nanocomposite: synthesis, characterization, and application for the arsenic(III)-sorption from aqueous solution. , 2012, , 149-162. | | 4 |
| 1576 | Identifying rice arsenic stress response pathways based on molecular interaction network. , 2012, , . | | 1 |
| 1577 | Arsenic mobilization and attenuation by mineral-water interactions: implications for managed aquifer recharge. <i>Journal of Environmental Monitoring</i> , 2012, 14, 1772. | 2.1 | 37 |
| 1578 | A survey of arsenic, manganese, boron, thorium, and other toxic metals in the groundwater of a West Bengal, India neighbourhood. <i>Metallomics</i> , 2012, 4, 653. | 1.0 | 17 |
| 1579 | Arsenic speciation of geothermal waters in New Zealand. <i>Journal of Environmental Monitoring</i> , 2012, 14, 3192. | 2.1 | 20 |
| 1580 | Comparison of As, Ni, Zn, Cd, and Pb removals using treatment agents. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 445-454. | 1.2 | 5 |
| 1581 | Arsenic contamination in central-east India: new lessons for environmental health. <i>International Journal of Environmental Studies</i> , 2012, 69, 53-63. | 0.7 | 3 |
| 1582 | Adsorption of arsenic (III) on multiwall carbon nanotube. , 2012, , . | | 2 |
| 1583 | Clean Soil and Safe Water. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2012, , . | 0.1 | 2 |
| 1584 | As(III) Sequestration by Iron Nanoparticles: Study of Solid-Phase Redox Transformations with X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5303-5311. | 1.5 | 128 |
| 1585 | Impact of drought on the ecological and chemical status of surface water and on the content of arsenic and fluoride pollutants of groundwater in the province of Salamanca (Western Spain). <i>Chemistry and Ecology</i> , 2012, 28, 545-560. | 0.6 | 11 |
| 1586 | Photoinduced Oxidation of Arsenite to Arsenate in the Presence of Goethite. <i>Environmental Science & Technology</i> , 2012, 46, 8044-8051. | 4.6 | 85 |
| 1587 | Arsenic speciation and mobility in surface water at Lucky Shot Gold Mine, Alaska. <i>Environmental Geochemistry and Health</i> , 2012, 34, 711-723. | 1.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1588 | Using multivariate statistical methods to assess the groundwater quality in an arsenic-contaminated area of Southwestern Taiwan. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6071-6085. | 1.3 | 34 |
| 1589 | Bisulfide Reaction with Natural Organic Matter Enhances Arsenite Sorption: Insights from X-ray Absorption Spectroscopy. <i>Environmental Science & Technology</i> , 2012, 46, 11788-11797. | 4.6 | 87 |
| 1590 | Evaluation of Iron(III) Chelated Polymer Grafted Lignocellulosics for Arsenic(V) Adsorption in a Batch Reactor System. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 10682-10694. | 1.8 | 16 |
| 1591 | Fabrication, Characterization, and Application of a Composite Adsorbent for Simultaneous Removal of Arsenic and Fluoride. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 714-720. | 4.0 | 102 |
| 1592 | Synthesis of arsenic graft adsorbents in pilot scale. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1033-1035. | 1.4 | 4 |
| 1593 | Adsorption behavior of arsenic relating to different natural solids: Soils, stream sediments and peats. <i>Science of the Total Environment</i> , 2012, 433, 456-461. | 3.9 | 37 |
| 1594 | Accumulation of arsenic by aquatic plants in large-scale field conditions: Opportunities for phytoremediation and bioindication. <i>Science of the Total Environment</i> , 2012, 433, 390-397. | 3.9 | 126 |
| 1595 | Selective recognition of arsenic by tailoring ion-imprinted polymer for ICP-MS quantification. <i>Talanta</i> , 2012, 89, 162-168. | 2.9 | 62 |
| 1596 | Development of acid phosphatase based amperometric biosensors for the inhibitive determination of As(V). <i>Talanta</i> , 2012, 93, 301-306. | 2.9 | 36 |
| 1597 | Microbial transformations of arsenic: Mobilization from glauconitic sediments to water. <i>Water Research</i> , 2012, 46, 2859-2868. | 5.3 | 54 |
| 1598 | Anchorage of iron hydro(oxide) nanoparticles onto activated carbon to remove As(V) from water. <i>Water Research</i> , 2012, 46, 2973-2982. | 5.3 | 96 |
| 1599 | Photocatalytic oxidation and removal of arsenite by titanium dioxide supported on granular activated carbon. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 983-988. | 1.2 | 31 |
| 1600 | Development of solution, film and membrane based fluorescent sensor for the detection of fluoride anions from water. <i>Analytical Methods</i> , 2012, 4, 3180. | 1.3 | 38 |
| 1601 | Assessment of a geochemical extraction procedure to determine the solid phase fractionation and bioaccessibility of potentially harmful elements in soils: A case study using the NIST 2710 reference soil. <i>Analytica Chimica Acta</i> , 2012, 722, 43-54. | 2.6 | 28 |
| 1602 | Electroanalytical and isothermal calorimetric study of As(III) complexation by the metal poisoning remediators, 2,3-dimercapto-1-propanesulfonate and meso-2,3-dimercaptosuccinic acid. <i>Analytica Chimica Acta</i> , 2012, 746, 47-52. | 2.6 | 12 |
| 1603 | Simultaneous oxidation of arsenic and antimony at low and circumneutral pH, with and without microbial catalysis. <i>Applied Geochemistry</i> , 2012, 27, 281-291. | 1.4 | 31 |
| 1604 | Dissolved organic carbon from the traditional jute processing technique and its potential influence on arsenic enrichment in the Bengal Delta. <i>Applied Geochemistry</i> , 2012, 27, 292-303. | 1.4 | 19 |
| 1605 | Arsenic in freshwater systems: Influence of eutrophication on occurrence, distribution, speciation, and bioaccumulation. <i>Applied Geochemistry</i> , 2012, 27, 304-314. | 1.4 | 83 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1606 | Mobilization and speciation of arsenic from hydrothermally altered rock in laboratory column experiments under ambient conditions. <i>Applied Geochemistry</i> , 2012, 27, 326-342. | 1.4 | 57 |
| 1607 | Arsenic and antimony contamination of waters, stream sediments and soils in the vicinity of abandoned antimony mines in the Western Carpathians, Slovakia. <i>Applied Geochemistry</i> , 2012, 27, 598-614. | 1.4 | 158 |
| 1608 | Sediment pore-water interactions associated with arsenic and uranium transport from the North Cave Hills mining region, South Dakota, USA. <i>Applied Geochemistry</i> , 2012, 27, 879-891. | 1.4 | 24 |
| 1609 | Modeling simultaneous exceedance of drinking-water standards of arsenic and nitrate in the Southern Ogallala aquifer using multinomial logistic regression. <i>Journal of Hydrology</i> , 2012, 458-459, 16-27. | 2.3 | 19 |
| 1610 | Bioaccumulation, biotransformation and trophic transfer of arsenic in the aquatic food chain. <i>Environmental Research</i> , 2012, 116, 118-135. | 3.7 | 290 |
| 1611 | Arsenate adsorption from water using a novel fabricated copper ferrite. <i>Chemical Engineering Journal</i> , 2012, 198-199, 440-448. | 6.6 | 67 |
| 1612 | Fixed bed adsorption of As(III) on iron-oxide-coated natural rock (IOCNR) and application to real arsenic-bearing groundwater. <i>Chemical Engineering Journal</i> , 2012, 203, 285-293. | 6.6 | 51 |
| 1613 | Antimony(III) oxidation and antimony(V) adsorption reactions on synthetic manganite. <i>Chemie Der Erde</i> , 2012, 72, 41-47. | 0.8 | 104 |
| 1614 | Concurrent sorption of As(V) and Mn(II) during biogenic manganese oxide formation. <i>Chemical Geology</i> , 2012, 306-307, 123-128. | 1.4 | 27 |
| 1615 | Arsenic retention and remobilization in muddy sediments with high iron and sulfur contents from a heavily contaminated estuary in China. <i>Chemical Geology</i> , 2012, 314-317, 57-65. | 1.4 | 48 |
| 1616 | Translocation of arsenic contents in vegetables from growing media of contaminated areas. <i>Ecotoxicology and Environmental Safety</i> , 2012, 75, 27-32. | 2.9 | 29 |
| 1617 | Differential response of oxidative stress and thiol metabolism in contrasting rice genotypes for arsenic tolerance. <i>Ecotoxicology and Environmental Safety</i> , 2012, 79, 189-198. | 2.9 | 129 |
| 1618 | Fast microbial reduction of ferrihydrite colloids from a soil effluent. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 444-456. | 1.6 | 27 |
| 1619 | First-principles simulation of arsenate adsorption on the (111) surface of hematite. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 182-195. | 1.6 | 40 |
| 1620 | Use of microfocused X-ray techniques to investigate the mobilization of arsenic by oxalic acid. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 91, 254-270. | 1.6 | 9 |
| 1621 | Differences in the immobilization of arsenite and arsenate by calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 91, 202-219. | 1.6 | 74 |
| 1622 | Role of structural Fe in nontronite N _{Au} -1 and dissolved Fe(II) in redox transformations of arsenic and antimony. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 128-145. | 1.6 | 55 |
| 1623 | Impact of silica on the reductive transformation of schwertmannite and the mobilization of arsenic. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 134-153. | 1.6 | 51 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1624 | Arsenic stabilization in mine tailings using nano-sized magnetite and zero valent iron with the enhancement of mobility by surface coating. <i>Journal of Geochemical Exploration</i> , 2012, 113, 124-129. | 1.5 | 56 |
| 1625 | Major and trace elements in tap water from Italy. <i>Journal of Geochemical Exploration</i> , 2012, 112, 54-75. | 1.5 | 82 |
| 1626 | Occurrence and mobility of As in the Yläjärvi Cu-As mine tailings. <i>Journal of Geochemical Exploration</i> , 2012, 114, 36-45. | 1.5 | 13 |
| 1627 | Long-term lake sediment records and factors affecting the evolution of metal(loid) drainage from two mine sites (SW Finland). <i>Journal of Geochemical Exploration</i> , 2012, 114, 46-56. | 1.5 | 17 |
| 1628 | Geochemical signature of surface water and stream sediments of a mineralized drainage basin at NE Chalkidiki, Greece: A pre-mining survey. <i>Journal of Geochemical Exploration</i> , 2012, 114, 70-81. | 1.5 | 40 |
| 1629 | The binding nature of humic substances with arsenic in alluvial aquifers of Chianan Plain, southwestern Taiwan. <i>Journal of Geochemical Exploration</i> , 2012, 114, 98-108. | 1.5 | 12 |
| 1630 | Metal contents and Pb isotopes in road-side dust and sediment of Japan. <i>Journal of Geochemical Exploration</i> , 2012, 118, 68-76. | 1.5 | 39 |
| 1632 | Conversion, sorption, and transport of arsenic species in geological media. <i>Applied Geochemistry</i> , 2012, 27, 2197-2203. | 1.4 | 7 |
| 1634 | Arsenic Removal from Water by Adsorption Using Iron Oxide Minerals as Adsorbents: A Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2012, 33, 301-315. | 2.6 | 130 |
| 1635 | Accumulation and toxic effect of arsenic and other heavy metals in a contaminated area of West Bengal, India, in the lichen <i>Pyxine coccinea</i> (Sw.) Nyl.. <i>Ecotoxicology and Environmental Safety</i> , 2012, 83, 63-70. | 2.9 | 37 |
| 1636 | Polymerization of Silicate on Hematite Surfaces and Its Influence on Arsenic Sorption. <i>Environmental Science & Technology</i> , 2012, 46, 13235-13243. | 4.6 | 71 |
| 1637 | The Role of Irrigation Techniques in Arsenic Bioaccumulation in Rice (<i>Oryza sativa</i> L.). <i>Environmental Science & Technology</i> , 2012, 46, 8333-8340. | 4.6 | 75 |
| 1638 | Antimony (Sb) and Arsenic (As) in Sb Mining Impacted Paddy Soil from Xikuangshan, China: Differences in Mechanisms Controlling Soil Sequestration and Uptake in Rice. <i>Environmental Science & Technology</i> , 2012, 46, 3155-3162. | 4.6 | 203 |
| 1639 | Individual variations in arsenic metabolism in Vietnamese: the association with arsenic exposure and GSTP1 genetic polymorphism. <i>Metallomics</i> , 2012, 4, 91-100. | 1.0 | 33 |
| 1640 | Arsenic contamination and speciation in surrounding waters of three old cinnabar mines. <i>Journal of Environmental Monitoring</i> , 2012, 14, 531-542. | 2.1 | 20 |
| 1641 | Dynamics of arsenic in salt marsh sediments from Dongtan wetland of the Yangtze River estuary, China. <i>Journal of Environmental Sciences</i> , 2012, 24, 2113-2121. | 3.2 | 13 |
| 1642 | Bioremediation of Arsenic from Contaminated Water. , 2012, , 477-523. | | 1 |
| 1643 | Adsorption of arsenate and arsenite from aqueous solutions by cerium-loaded cation exchange resin. <i>Journal of Rare Earths</i> , 2012, 30, 563-572. | 2.5 | 56 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1644 | Arsenic Distribution, Species, and Its Effect on Maize Growth Treated with Arsenate. <i>Journal of Integrative Agriculture</i> , 2012, 11, 416-423. | 1.7 | 21 |
| 1645 | Comparison of arsenate, chromate and molybdate binding on schwertmannite: Surface adsorption vs anion-exchange. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 338-343. | 5.0 | 113 |
| 1646 | As(V) and As(III) reactions on pristine pyrite and on surface-oxidized pyrite. <i>Journal of Colloid and Interface Science</i> , 2012, 388, 170-175. | 5.0 | 41 |
| 1647 | Uranium and arsenic dynamics in volcano-sedimentary basins – An exemplary study in North-Central Mexico. <i>Applied Geochemistry</i> , 2012, 27, 2160-2172. | 1.4 | 24 |
| 1648 | Arsenic mobilization in a freshening groundwater system formed within glaciomarine deposits. <i>Applied Geochemistry</i> , 2012, 27, 2173-2186. | 1.4 | 2 |
| 1649 | Spatial variation in arsenic and fluoride concentrations of shallow groundwater from the town of Shagai in the Hetao basin, Inner Mongolia. <i>Applied Geochemistry</i> , 2012, 27, 2187-2196. | 1.4 | 148 |
| 1650 | Arsenic release from chlorine-promoted alteration of a sulfide cement horizon: Evidence from batch studies on the St. Peter Sandstone, Wisconsin, USA. <i>Applied Geochemistry</i> , 2012, 27, 2215-2224. | 1.4 | 4 |
| 1651 | Geochemistry of arsenic and metals in stored tailings of a Co–Ni arsenide-ore, Khovu-Aksy area, Russia. <i>Applied Geochemistry</i> , 2012, 27, 2238-2250. | 1.4 | 17 |
| 1652 | Arsenic mobility in two mine tailings drainage systems and its removal from solution by natural geochemical barriers. <i>Applied Geochemistry</i> , 2012, 27, 2260-2270. | 1.4 | 19 |
| 1653 | Mobilization and speciation of arsenic from hydrothermally altered rock containing calcite and pyrite under anoxic conditions. <i>Applied Geochemistry</i> , 2012, 27, 2300-2314. | 1.4 | 37 |
| 1654 | Comparison of arsenic geochemical evolution in the Datong Basin (Shanxi) and Hetao Basin (Inner) | 1.4 | 37 |
| 1655 | Surface complexation modeling of groundwater arsenic mobility: Results of a forced gradient experiment in a Red River flood plain aquifer, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 98, 186-201. | 1.6 | 52 |
| 1656 | Geochemical features of nickel-laterite deposits from the Balkan Peninsula and Gordes, Turkey: The genetic and environmental significance of arsenic. <i>Ore Geology Reviews</i> , 2012, 48, 413-427. | 1.1 | 36 |
| 1657 | Arsenic(V) removal from underground water by magnetic nanoparticles synthesized from waste red mud. <i>Journal of Hazardous Materials</i> , 2012, 235-236, 62-68. | 6.5 | 132 |
| 1658 | Adsorption of arsenate on Cu/Mg/Fe/La layered double hydroxide from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2012, 239-240, 279-288. | 6.5 | 141 |
| 1659 | Enhanced arsenic removal by in situ formed Fe–Mn binary oxide in the aeration-direct filtration process. <i>Journal of Hazardous Materials</i> , 2012, 239-240, 308-315. | 6.5 | 14 |
| 1660 | Arsenic speciation in cemented paste backfills and synthetic calcium–silicate–hydrates. <i>Minerals Engineering</i> , 2012, 39, 51-61. | 1.8 | 24 |
| 1661 | The magnetic nanoparticle separation problem. <i>Nano Today</i> , 2012, 7, 485-487. | 6.2 | 56 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1662 | Arsenic metabolism and thioarsenicals. <i>Metallomics</i> , 2012, 4, 881. | 1.0 | 107 |
| 1663 | Advances in the Detection of As in Environmental Samples Using Low Energy X-ray Fluorescence in a Scanning Transmission X-ray Microscope: Arsenic Immobilization by an Fe(II)-Oxidizing Freshwater Bacteria. <i>Environmental Science & Technology</i> , 2012, 46, 2821-2829. | 4.6 | 60 |
| 1664 | Quickly Removal of Arsenic from Aqueous Systems with the Fe/MnO ₂ Nano-Flowers. <i>Advanced Materials Research</i> , 0, 573-574, 568-572. | 0.3 | 1 |
| 1665 | Photochemical treatment of As(III) with $\hat{\pm}$ -Fe ₂ O ₃ synthesized from Jarosite Waste. <i>RSC Advances</i> , 2012, 2, 1112-1118. | 1.7 | 9 |
| 1667 | Arsenic sequestration by organic sulphur in peat. <i>Nature Geoscience</i> , 2012, 5, 66-73. | 5.4 | 201 |
| 1668 | Vertical distribution and mobilization of arsenic in shallow alluvial aquifers of Chapai-Nawabganj district, Northwestern Bangladesh. <i>Journal of the Geological Society of India</i> , 2012, 80, 531-538. | 0.5 | 10 |
| 1669 | Arsenic Exposure to Killifish During Embryogenesis Alters Muscle Development. <i>Toxicological Sciences</i> , 2012, 125, 522-531. | 1.4 | 20 |
| 1670 | Isolation and characterization of <i>Staphylococcus</i> sp. strain NBRIEAG-8 from arsenic contaminated site of West Bengal. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 1275-1291. | 1.7 | 51 |
| 1672 | Adsorption of Arsenic on Polyaluminum Granulate. <i>Environmental Science & Technology</i> , 2012, 46, 7310-7317. | 4.6 | 48 |
| 1673 | Technological Innovations in Sensing and Detection of Chemical, Biological, Radiological, Nuclear Threats and Ecological Terrorism. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2012, , . | 0.5 | 5 |
| 1674 | Metal Toxicity in Plants: Perception, Signaling and Remediation. , 2012, , . | | 39 |
| 1675 | Arsenic and selenium interactive effect on alga <i>Desmodesmus quadricauda</i> . <i>Ecotoxicology and Environmental Safety</i> , 2012, 86, 1-6. | 2.9 | 19 |
| 1676 | The Plant Family Brassicaceae. <i>Environmental Pollution</i> , 2012, , . | 0.4 | 33 |
| 1677 | Arsenic & Rice. , 2012, , . | | 92 |
| 1678 | Arsenic Remediation from Drinking Water Using Fenton's Reagent with Slow Sand Filter. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 1231-1234. | 1.3 | 9 |
| 1679 | Modelling of arsenate retention from aqueous solutions by living coryneform double-mutant bacteria. <i>Environmental Chemistry</i> , 2012, 9, 121. | 0.7 | 3 |
| 1680 | Mechanisms of Arsenic Release into Groundwater in Seino Basins, Nobi Plain. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2012, 68, III_507-III_515. | 0.1 | 0 |
| 1681 | Intracellular Arsenic Speciation and Quantification in Human Urothelial and Hepatic Cells. , 0, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1682 | Arsenic Geochemistry in Groundwater System. , 2012, , . | | 10 |
| 1683 | Cáncer por contaminación química del agua de consumo humano en menores de 19 años: una revisión sistemática. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 2012, 32, 435-443. | 0.6 | 7 |
| 1685 | Sequential Injection Anodic Stripping Voltammetry at Tubular Gold Electrodes for Inorganic Arsenic Speciation. , 0, , . | | 0 |
| 1686 | ARSENATE BIOSORPTION BY IRON-MODIFIED PINE SAWDUST IN BATCH SYSTEMS: KINETICS AND EQUILIBRIUM STUDIES. BioResources, 2012, 7, . | 0.5 | 5 |
| 1687 | Heavy Metal Toxicity: Oxidative Stress Parameters and DNA Repair. , 2012, , 187-205. | | 17 |
| 1688 | Accumulation kinetics of arsenic in <i>Daphnia magna</i> under different phosphorus and food density regimes. Environmental Toxicology and Chemistry, 2012, 31, 1283-1291. | 2.2 | 28 |
| 1689 | Enhanced arsenate uptake in <i>Saccharomyces cerevisiae</i> overexpressing the Pho84 phosphate transporter. Biotechnology Progress, 2012, 28, 654-661. | 1.3 | 24 |
| 1690 | Modified Activated Carbon as Solid Phase Extraction Adsorbent for the Preconcentration and Determination of Trace As(III) in Environmental Samples by Graphite Furnace Atomic Absorption Spectrometry. Chinese Journal of Chemistry, 2012, 30, 665-669. | 2.6 | 15 |
| 1691 | Arsenic content, fractionation, and ecological risk in the surface sediments of lake. International Journal of Environmental Science and Technology, 2012, 9, 31-40. | 1.8 | 15 |
| 1692 | Using watershed characteristics, sediment, and tissue of resident mollusks to identify potential sources of trace elements to streams in a complex agricultural landscape. Environmental Monitoring and Assessment, 2012, 184, 3109-3126. | 1.3 | 6 |
| 1693 | Arsenic contamination in groundwater and its possible sources in Hanam, Vietnam. Environmental Monitoring and Assessment, 2012, 184, 4501-4515. | 1.3 | 15 |
| 1694 | Geochemistry and mobilization of arsenic in Shuklaganj area of Kanpur–Unnao district, Uttar Pradesh, India. Environmental Monitoring and Assessment, 2012, 184, 4889-4901. | 1.3 | 21 |
| 1695 | Microbial Colonization of the Salt Deposits in the Driest Place of the Atacama Desert (Chile). Origins of Life and Evolution of Biospheres, 2012, 42, 187-200. | 0.8 | 39 |
| 1696 | Ion Exchange Treatment of Groundwater Contaminated by Arsenic in the Presence of Sulphate. Breakthrough Experiments and Modeling. Water, Air, and Soil Pollution, 2012, 223, 2373-2386. | 1.1 | 24 |
| 1697 | Biotic and Abiotic Schwertmannites as Scavengers for As(III): Mechanisms and Effects. Water, Air, and Soil Pollution, 2012, 223, 2933-2942. | 1.1 | 8 |
| 1698 | Heavy metals in soils and sedimentary deposits of the Padanian Plain (Ferrara, Northern Italy): characterisation and biomonitoring. Journal of Soils and Sediments, 2012, 12, 1145-1153. | 1.5 | 43 |
| 1699 | Arsenic exposure through groundwater in the middle Ganga plain in the Varanasi environs, India: A future threat. Journal of the Geological Society of India, 2012, 79, 302-314. | 0.5 | 28 |
| 1700 | Identifying groundwater arsenic contamination mechanisms in relation to arsenic concentrations in water and host rocks. Environmental Earth Sciences, 2012, 65, 2015-2026. | 1.3 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1701 | Sources and behavior of arsenic and trace elements in groundwater and surface water in the Poopó Lake Basin, Bolivian Altiplano. <i>Environmental Earth Sciences</i> , 2012, 66, 793-807. | 1.3 | 47 |
| 1702 | The behavior of arsenic and antimony at Pezinok mining site, southwestern part of the Slovak Republic. <i>Environmental Earth Sciences</i> , 2012, 66, 1043-1057. | 1.3 | 40 |
| 1703 | Geochemical characteristics of the mud volcano fluids in southwestern Taiwan and their possible linkage to elevated arsenic concentration in Chianan plain groundwater. <i>Environmental Earth Sciences</i> , 2012, 66, 1513-1523. | 1.3 | 10 |
| 1704 | Partition of arsenic in soils sediments and the origin of naturally elevated concentrations in groundwater of the southern pampa region (Argentina). <i>Environmental Earth Sciences</i> , 2012, 66, 2075-2084. | 1.3 | 13 |
| 1705 | Development and validation of an SPE HG-AAS method for determination of inorganic arsenic in samples of marine origin. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2825-2834. | 1.9 | 44 |
| 1706 | Dynamic Microbial Community Associated with Iron-Arsenic Co-Precipitation Products from a Groundwater Storage System in Bangladesh. <i>Microbial Ecology</i> , 2012, 64, 171-186. | 1.4 | 38 |
| 1707 | Potential Impacts of Stormwater Runoff on Water Quality in Urban Sand Pits and Adjacent Groundwater. <i>Journal of the American Water Resources Association</i> , 2012, 48, 584-602. | 1.0 | 10 |
| 1708 | Changing patterns of bladder cancer in the USA: evidence of heterogeneous disease. <i>BJU International</i> , 2012, 109, 52-56. | 1.3 | 36 |
| 1709 | Removal of arsenite from aqueous solution by a zirconia nanoparticle. <i>Chemical Engineering Journal</i> , 2012, 188, 15-22. | 6.6 | 92 |
| 1710 | Performances of As(V) adsorption of calcined (250°C) synthetic iron(III)-aluminum(III) mixed oxide in the presence of some groundwater occurring ions. <i>Chemical Engineering Journal</i> , 2012, 183, 303-314. | 6.6 | 27 |
| 1711 | Arsenic(III) oxidation/adsorption behaviors on a new bimetal adsorbent of Mn-oxide-doped Al oxide. <i>Chemical Engineering Journal</i> , 2012, 192, 343-349. | 6.6 | 92 |
| 1712 | Zerovalent iron encapsulated chitosan nanospheres - A novel adsorbent for the removal of total inorganic Arsenic from aqueous systems. <i>Chemosphere</i> , 2012, 86, 150-155. | 4.2 | 163 |
| 1713 | Zamzam water: Concentration of trace elements and other characteristics. <i>Chemosphere</i> , 2012, 86, 600-605. | 4.2 | 41 |
| 1714 | Partitioning of arsenic in soil-crop systems irrigated using groundwater: A case study of rice paddy soils in southwestern Taiwan. <i>Chemosphere</i> , 2012, 86, 606-613. | 4.2 | 51 |
| 1715 | Co-contamination of arsenic and fluoride in the groundwater of unconsolidated aquifers under reducing environments. <i>Chemosphere</i> , 2012, 87, 851-856. | 4.2 | 126 |
| 1716 | Arsenolipids in marine oils and fats: A review of occurrence, chemistry and future research needs. <i>Food Chemistry</i> , 2012, 133, 618-630. | 4.2 | 113 |
| 1717 | Mineralogy, geochemistry, and arsenic speciation in coal combustion waste from Nováky, Slovakia. <i>Fuel</i> , 2012, 94, 125-136. | 3.4 | 24 |
| 1718 | Novel photocatalyst, Bi ₂ Sn ₂ O ₇ , for photooxidation of As(III) under visible-light irradiation. <i>Applied Catalysis A: General</i> , 2012, 425-426, 74-78. | 2.2 | 75 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1719 | Preparation of iron-impregnated tablet ceramic adsorbent for arsenate removal from aqueous solutions. <i>Desalination</i> , 2012, 286, 56-62. | 4.0 | 25 |
| 1720 | Hydrogeochemical study on the contamination of water resources in a part of Tarkwa mining area, Western Ghana. <i>Journal of African Earth Sciences</i> , 2012, 66-67, 72-84. | 0.9 | 62 |
| 1721 | Arsenate uptake and arsenite simultaneous sorption and oxidation by Fe-Mn binary oxides: Influence of Mn/Fe ratio, pH, Ca ²⁺ , and humic acid. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 141-146. | 5.0 | 108 |
| 1722 | Arsenic(III) sorption on nanostructured cerium incorporated manganese oxide (NCMO): A physical insight into the mechanistic pathway. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 269-276. | 5.0 | 38 |
| 1723 | Competitive sorption of carbonate and arsenic to hematite: Combined ATR-FTIR and batch experiments. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 313-321. | 5.0 | 116 |
| 1724 | Arsenic accumulation by aquatic macrophyte coontail (<i>Ceratophyllum demersum</i> L.) exposed to arsenite, and the effect of iron on the uptake of arsenite and arsenate. <i>Environmental and Experimental Botany</i> , 2012, 83, 47-52. | 2.0 | 24 |
| 1725 | Predicting the risk of arsenic contaminated groundwater in Shanxi Province, Northern China. <i>Environmental Pollution</i> , 2012, 165, 118-123. | 3.7 | 40 |
| 1726 | Bacterial reduction and release of adsorbed arsenate on Fe(III)-, Al- and coprecipitated Fe(III)/Al-hydroxides. <i>Journal of Environmental Sciences</i> , 2012, 24, 440-448. | 3.2 | 23 |
| 1727 | One century of arsenic exposure in Latin America: A review of history and occurrence from 14 countries. <i>Science of the Total Environment</i> , 2012, 429, 2-35. | 3.9 | 414 |
| 1728 | Arsenic in volcanic geothermal fluids of Latin America. <i>Science of the Total Environment</i> , 2012, 429, 57-75. | 3.9 | 123 |
| 1729 | Arsenic in the human food chain: the Latin American perspective. <i>Science of the Total Environment</i> , 2012, 429, 92-106. | 3.9 | 147 |
| 1730 | Natural attenuation of arsenic in soils near a highly contaminated historical mine waste dump. <i>Science of the Total Environment</i> , 2012, 414, 546-555. | 3.9 | 27 |
| 1731 | Arsenic encapsulation using Portland cement with ferrous sulfate/lime and Terra-Bond [®] technologies – Microcharacterization and leaching studies. <i>Science of the Total Environment</i> , 2012, 420, 300-312. | 3.9 | 35 |
| 1732 | Survival, reproduction, and arsenic body burdens in <i>Chironomus riparius</i> exposed to arsenate and phosphate. <i>Science of the Total Environment</i> , 2012, 425, 60-65. | 3.9 | 18 |
| 1733 | Natural background levels and threshold values of chemical species in three large-scale groundwater bodies in Northern Italy. <i>Science of the Total Environment</i> , 2012, 425, 9-19. | 3.9 | 67 |
| 1734 | Potential pollutant sources in a Choptank River (USA) subwatershed and the influence of land use and watershed characteristics. <i>Science of the Total Environment</i> , 2012, 430, 270-279. | 3.9 | 7 |
| 1735 | Occurrence and geochemical behavior of arsenic in a coastal aquifer-aquitard system of the Pearl River Delta, China. <i>Science of the Total Environment</i> , 2012, 427-428, 286-297. | 3.9 | 100 |
| 1736 | Leaching characteristics of CCA-treated wood waste: A UK study. <i>Science of the Total Environment</i> , 2012, 427-428, 165-174. | 3.9 | 32 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1737 | Arsenic and associated trace-elements in groundwater from the Chaco-Pampean plain, Argentina: Results from 100years of research. <i>Science of the Total Environment</i> , 2012, 429, 36-56. | 3.9 | 151 |
| 1738 | Arsenic pollution and fractionation in sediments and mine waste samples from different mine sites. <i>Science of the Total Environment</i> , 2012, 431, 426-435. | 3.9 | 53 |
| 1739 | Contributions of natural arsenic sources to surface waters on a high grade arsenic-geochemical anomaly (French Massif Central). <i>Science of the Total Environment</i> , 2012, 432, 257-268. | 3.9 | 8 |
| 1740 | Effects of oxalate and phosphate on electrokinetic removal of arsenic from mine tailings. <i>Separation and Purification Technology</i> , 2012, 86, 26-34. | 3.9 | 29 |
| 1741 | Arsenate and arsenite removal by FeCl ₃ : Effects of pH, As/Fe ratio, initial As concentration and co-existing solutes. <i>Separation and Purification Technology</i> , 2012, 92, 106-114. | 3.9 | 79 |
| 1742 | Development of a cost-effective technique to remove the arsenic contamination from aqueous solutions by calcium peroxide nanoparticles. <i>Separation and Purification Technology</i> , 2012, 95, 10-15. | 3.9 | 89 |
| 1743 | Removal of boron and arsenic by forward osmosis membrane: Influence of membrane orientation and organic fouling. <i>Journal of Membrane Science</i> , 2012, 389, 182-187. | 4.1 | 152 |
| 1744 | Diphenylarsinic acid produces behavioral effects in mice relevant to symptoms observed in citizens who ingested polluted well water. <i>Neurotoxicology and Teratology</i> , 2012, 34, 143-151. | 1.2 | 15 |
| 1745 | A modified batch reactor system to study equilibrium-reactive transport problems. <i>Journal of Contaminant Hydrology</i> , 2012, 129-130, 2-9. | 1.6 | 12 |
| 1746 | Assessment of arsenic immobilization in synthetically prepared cemented paste backfill specimens. <i>Journal of Environmental Management</i> , 2012, 93, 10-21. | 3.8 | 46 |
| 1747 | Comparison of two adsorbents for the removal of pentavalent arsenic from aqueous solutions. <i>Journal of Environmental Management</i> , 2012, 98, 98-106. | 3.8 | 46 |
| 1748 | Technological options for the removal of arsenic with special reference to South East Asia. <i>Journal of Environmental Management</i> , 2012, 107, 1-18. | 3.8 | 132 |
| 1749 | Supercritical fluid extraction of fish oil from fish by-products: A comparison with other extraction methods. <i>Journal of Food Engineering</i> , 2012, 109, 238-248. | 2.7 | 213 |
| 1750 | Relations of As concentrations among groundwater, soil, and bedrock in Chungnam, Korea: Implications for As mobilization in groundwater according to the As-hosting mineral change. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 25-35. | 6.5 | 22 |
| 1751 | Biomining based remediation of As(III) contaminated soil by <i>Sporosarcina ginsengisoli</i> . <i>Journal of Hazardous Materials</i> , 2012, 201-202, 178-184. | 6.5 | 282 |
| 1752 | Influence of compost addition on lead and arsenic bioavailability in reclaimed orchard soil assessed using <i>Porcellio scaber</i> bioaccumulation test. <i>Journal of Hazardous Materials</i> , 2012, 205-206, 144-149. | 6.5 | 51 |
| 1753 | Application of titanium dioxide in arsenic removal from water: A review. <i>Journal of Hazardous Materials</i> , 2012, 215-216, 1-16. | 6.5 | 320 |
| 1754 | Effects of Mn(II) on the sorption and mobilization of As(V) in the presence of hematite. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 301-306. | 6.5 | 21 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 1755 | Seasonal variation of redox species and redox potentials in shallow groundwater: A comparison of measured and calculated redox potentials. <i>Journal of Hydrology</i> , 2012, 444-445, 187-198. | 2.3 | 63 |
| 1756 | Problems of removing arsenic compounds from natural water in the pressure driven treatment process. <i>Journal of Water Chemistry and Technology</i> , 2012, 34, 162-167. | 0.2 | 7 |
| 1757 | Linking selenium biogeochemistry to the sulfur-dependent biological detoxification of arsenic. <i>Environmental Microbiology</i> , 2012, 14, 1612-1623. | 1.8 | 30 |
| 1758 | Sustainability of groundwater usage in northern China: dependence on palaeowaters and effects on water quality, quantity and ecosystem health. <i>Hydrological Processes</i> , 2012, 26, 4050-4066. | 1.1 | 98 |
| 1759 | Equilibrium and dynamic studies of the removal of As(III) and As(V) from contaminated aqueous systems using a functionalized biopolymer. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 546-552. | 1.6 | 12 |
| 1760 | General and Controllable Synthesis of Novel Mesoporous Magnetic Iron Oxide@Carbon Encapsulates for Efficient Arsenic Removal. <i>Advanced Materials</i> , 2012, 24, 485-491. | 11.1 | 312 |
| 1761 | Co-expression of <i>Arabidopsis thaliana</i> phytochelatin synthase and <i>Treponema denticola</i> cysteine desulfhydrase for enhanced arsenic accumulation. <i>Biotechnology and Bioengineering</i> , 2012, 109, 605-608. | 1.7 | 18 |
| 1762 | Arsenate adsorption at the sediment-water interface: sorption experiments and modelling. <i>Environmental Earth Sciences</i> , 2012, 65, 441-451. | 1.3 | 12 |
| 1763 | An integrated approach to environmental risk assessment of cumulatively impacted drainage basin from mining activities in southwestern Ghana. <i>Environmental Earth Sciences</i> , 2012, 65, 291-312. | 1.3 | 12 |
| 1764 | Concentration levels of some inorganic contaminants in streams and sediments in areas of pyrometallurgical and hydrometallurgical activities at the Obuasi gold mine, Ghana. <i>Environmental Earth Sciences</i> , 2012, 65, 753-763. | 1.3 | 15 |
| 1765 | Bioavailability of arsenic in the soil horizon: a laboratory column study. <i>Environmental Earth Sciences</i> , 2012, 65, 813-821. | 1.3 | 5 |
| 1766 | Oxidation of arsenite by two $\hat{1}^2$ -proteobacteria isolated from soil. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2135-2145. | 1.7 | 77 |
| 1767 | Comparison of three sequential extraction procedures for fractionation of arsenic from highly polluted mining sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2909-2921. | 1.9 | 58 |
| 1768 | Groundwater Quality Degradation in the Buyuk Menderes River Coastal Wetland. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 15-27. | 1.1 | 13 |
| 1769 | Hydrochemical and Sediment Biomarker Evidence of the Impact of Organic Matter Biodegradation on Arsenic Mobilization in Shallow Aquifers of Datong Basin, China. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 483-498. | 1.1 | 39 |
| 1770 | Accumulation and Transformation of Arsenic in the Blue-Green Alga <i>Synechocysis</i> sp. PCC6803. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1183-1190. | 1.1 | 89 |
| 1771 | Flexible bacterial strains that oxidize arsenite in anoxic or aerobic conditions and utilize hydrogen or acetate as alternative electron donors. <i>Biodegradation</i> , 2012, 23, 133-143. | 1.5 | 17 |
| 1772 | Fractionation and speciation of arsenic in fresh and combusted coal wastes from Yangquan, northern China. <i>Environmental Geochemistry and Health</i> , 2012, 34, 113-122. | 1.8 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1773 | Stabilization of the As-contaminated soil from the metal mining areas in Korea. <i>Environmental Geochemistry and Health</i> , 2012, 34, 143-149. | 1.8 | 24 |
| 1774 | Geochemical occurrences of arsenic and fluoride in bedrock groundwater: a case study in Geumsan County, Korea. <i>Environmental Geochemistry and Health</i> , 2012, 34, 43-54. | 1.8 | 54 |
| 1775 | A medical geology study of an arsenic-contaminated area in Kouhsorkh, NE Iran. <i>Environmental Geochemistry and Health</i> , 2012, 34, 171-179. | 1.8 | 1 |
| 1776 | Chemical forms and ecological risk of arsenic in the sediment of the Daliao River System in China. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 2237-2245. | 1.3 | 11 |
| 1777 | PGAA metals analysis in tailings in Zaida abandoned mine, high Moulouya, Morocco. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 291, 129-135. | 0.7 | 10 |
| 1778 | Arsenic removal from water using calcined Mg-Al layered double hydroxide. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 21-27. | 2.1 | 44 |
| 1779 | Characterization and adsorption performance of Zr-doped akaganite for efficient arsenic removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 629-635. | 1.6 | 40 |
| 1780 | Arsenic Removal from Natural Groundwater Using Cupric Oxide. <i>Ground Water</i> , 2013, 51, 83-91. | 0.7 | 30 |
| 1781 | Total and inorganic arsenic in dietary supplements based on herbs, other botanicals and algae—a possible contributor to inorganic arsenic exposure. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4429-4435. | 1.9 | 34 |
| 1782 | Strong Positive Associations Between Seafood, Vegetables, and Alcohol With Blood Mercury and Urinary Arsenic Levels in the Korean Adult Population. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 160-170. | 2.1 | 33 |
| 1783 | Microbial Communities Involved in Biological Ammonium Removal from Coal Combustion Wastewaters. <i>Microbial Ecology</i> , 2013, 66, 49-59. | 1.4 | 17 |
| 1784 | Temporal variation of arsenic and nitrate content in groundwater of the Duero River Basin (Spain). <i>Physics and Chemistry of the Earth</i> , 2013, 58-60, 22-27. | 1.2 | 20 |
| 1785 | Comparative Proteomic Analysis of Rice Shoots Exposed to High Arsenate. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 965-978. | 4.1 | 19 |
| 1786 | Mobilization of arsenic and other naturally occurring contaminants in groundwater of the Main Ethiopian Rift aquifers. <i>Water Research</i> , 2013, 47, 5801-5818. | 5.3 | 106 |
| 1787 | Toxicity, transformation and accumulation of inorganic arsenic species in a microalga <i>Scenedesmus</i> sp. isolated from soil. <i>Journal of Applied Phycology</i> , 2013, 25, 913-917. | 1.5 | 52 |
| 1788 | Hydrogeochemistry and arsenic contamination of groundwater in the Rayen area, southeastern Iran. <i>Environmental Earth Sciences</i> , 2013, 70, 2633-2644. | 1.3 | 19 |
| 1789 | Migration of Cu, Zn, Cd and As in epikarst water affected by acid mine drainage at a coalfield basin, Xingren, Southwest China. <i>Environmental Earth Sciences</i> , 2013, 69, 2623-2632. | 1.3 | 14 |
| 1790 | Trace elements and their correlations in hand-dug wells in a laterite environment in a semi-arid region: case study of Tikar, Northern Burkina Faso. <i>Environmental Earth Sciences</i> , 2013, 69, 2393-2414. | 1.3 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1791 | Heavy metal and arsenic dispersion in a copper-skarn mining district in a Mexican semi-arid environment: sources, pathways and fate. <i>Environmental Earth Sciences</i> , 2013, 69, 1915-1929. | 1.3 | 13 |
| 1792 | Arsenic movement and traces in the groundwater from the Hetao area, Inner Mongolia. <i>Environmental Earth Sciences</i> , 2013, 69, 1579-1588. | 1.3 | 5 |
| 1793 | Arsenic mobilization in alluvial soils of Punjab, North West India under flood irrigation practices. <i>Environmental Earth Sciences</i> , 2013, 69, 1637-1648. | 1.3 | 13 |
| 1794 | Particle-size effects on dissolved arsenic adsorption to an Australian laterite. <i>Environmental Earth Sciences</i> , 2013, 68, 2301-2312. | 1.3 | 11 |
| 1795 | A methodology for spatially representing the likelihood of occurrence of natural contaminants in groundwater. <i>Environmental Earth Sciences</i> , 2013, 68, 1863-1875. | 1.3 | 1 |
| 1796 | Vertical geochemical variations and arsenic mobilization in the shallow alluvial aquifers of the Chapai-Nawabganj District, northwestern Bangladesh: implication of siderite precipitation. <i>Environmental Earth Sciences</i> , 2013, 68, 1255-1270. | 1.3 | 8 |
| 1797 | Molecular features in arsenic-induced lung tumors. <i>Molecular Cancer</i> , 2013, 12, 20. | 7.9 | 108 |
| 1798 | Disaster Risk Reduction Approaches in Bangladesh. <i>Disaster Risk Reduction</i> , 2013, , . | 0.2 | 25 |
| 1799 | Coupling of arsenic mobility to sulfur transformations during microbial sulfate reduction in the presence and absence of humic acid. <i>Chemical Geology</i> , 2013, 343, 12-24. | 1.4 | 127 |
| 1800 | Arsenic in Groundwater and the Environment. , 2013, , 279-310. | | 53 |
| 1801 | Differential Arsenic Mobilization from As-Bearing Ferrihydrite by Iron-Respiring <i>Shewanella</i> Strains with Different Arsenic-Reducing Activities. <i>Environmental Science & Technology</i> , 2013, 47, 130710112631007. | 4.6 | 23 |
| 1802 | Ultratrace determination of arsenic in water samples by electrothermal atomic absorption spectrometry after pre-concentration with Mg-Al-Fe ternary layered double hydroxide nano-sorbent. <i>Talanta</i> , 2013, 116, 604-610. | 2.9 | 36 |
| 1803 | Acute Toxicity of Arsenic under Different Temperatures and Salinity Conditions on the White Shrimp <i>Litopenaeus vannamei</i> . <i>Biological Trace Element Research</i> , 2013, 152, 350-357. | 1.9 | 9 |
| 1804 | Characteristics and role of groundwater dissolved organic matter on arsenic mobilization and poisoning in Bangladesh. <i>Physics and Chemistry of the Earth</i> , 2013, 58-60, 77-84. | 1.2 | 37 |
| 1805 | A review of the arsenic concentration in paddy rice from the perspective of geoscience. <i>Geosciences Journal</i> , 2013, 17, 107-122. | 0.6 | 72 |
| 1806 | Arsenic mobilization in the aquifers of three physiographic settings of West Bengal, India: Understanding geogenic and anthropogenic influences. <i>Journal of Hazardous Materials</i> , 2013, 262, 915-923. | 6.5 | 70 |
| 1807 | Mobilization of arsenic in aquifers from the Datong Basin, China: Evidence from geochemical and iron isotopic data. <i>Chemosphere</i> , 2013, 90, 1878-1884. | 4.2 | 38 |
| 1808 | Arsenic removal from drinking water by electrocoagulation using iron electrodes. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1889-1895. | 1.2 | 21 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1809 | Trace metal and metalloid levels in surface water of Marcal River before and after the Ajka red mud spill, Hungary. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7603-7614. | 2.7 | 12 |
| 1810 | Application of natural citric acid sources and their role on arsenic removal from drinking water: A green chemistry approach. <i>Journal of Hazardous Materials</i> , 2013, 262, 1167-1175. | 6.5 | 16 |
| 1811 | Layer-by-layer loading iron onto mesoporous silica surfaces: Synthesis, characterization and application for As(V) removal. <i>Microporous and Mesoporous Materials</i> , 2013, 171, 139-146. | 2.2 | 27 |
| 1812 | Naturally occurring arsenic in terrestrial geothermal systems of western Anatolia, Turkey: Potential role in contamination of freshwater resources. <i>Journal of Hazardous Materials</i> , 2013, 262, 951-959. | 6.5 | 69 |
| 1813 | Temperature-induced impacts on groundwater quality and arsenic mobility in anoxic aquifer sediments used for both drinking water and shallow geothermal energy production. <i>Water Research</i> , 2013, 47, 5088-5100. | 5.3 | 106 |
| 1814 | Arsenic in marine hydrothermal fluids. <i>Chemical Geology</i> , 2013, 348, 2-14. | 1.4 | 56 |
| 1815 | Microbial Interactions in the Arsenic Cycle: Adoptive Strategies and Applications in Environmental Management. <i>Reviews of Environmental Contamination and Toxicology</i> , 2013, 224, 1-38. | 0.7 | 14 |
| 1816 | Calcium phosphate treatment of contaminated soil for arsenic immobilization. <i>Applied Geochemistry</i> , 2013, 28, 145-154. | 1.4 | 29 |
| 1817 | Arsenic(III) and iron(II) co-oxidation by oxygen and hydrogen peroxide: Divergent reactions in the presence of organic ligands. <i>Chemosphere</i> , 2013, 93, 1936-1941. | 4.2 | 43 |
| 1818 | Process Optimization for Arsenic Adsorption onto Natural Zeolite Incorporating Metal Oxides by Response Surface Methodology. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 1.1 | 22 |
| 1819 | Kinetics and Thermodynamics of Sorption for As(V) on the Porous Biomorph-Genetic Composite of γ -Fe ₂ O ₃ /Fe ₃ O ₄ /C with Eucalyptus Wood Hierarchical Microstructure. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 1.1 | 4 |
| 1820 | Interaction of Magnesium-Iron-Carbonic-Layered Double Hydroxides with As(III). <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 1.1 | 4 |
| 1821 | Accumulation, transformation, and release of inorganic arsenic by the freshwater cyanobacterium <i>Microcystis aeruginosa</i> . <i>Environmental Science and Pollution Research</i> , 2013, 20, 7286-7295. | 2.7 | 79 |
| 1822 | Synthesis of nano- alumina powder from impure kaolin and its application for arsenite removal from aqueous solutions. <i>Journal of Environmental Health Science & Engineering</i> , 2013, 11, 19. | 1.4 | 32 |
| 1823 | Evaluating the spatial distribution of quantitative risk and hazard level of arsenic exposure in groundwater, case study of Qorveh County, Kurdistan Iran. <i>Iranian Journal of Environmental Health Science & Engineering</i> , 2013, 10, 30. | 1.8 | 15 |
| 1824 | Processes influencing extreme As enrichment in shallow-sea hydrothermal fluids of Milos Island, Greece. <i>Chemical Geology</i> , 2013, 348, 15-26. | 1.4 | 81 |
| 1825 | Modelling of arsenic retention in constructed wetlands. <i>Bioresource Technology</i> , 2013, 147, 221-227. | 4.8 | 8 |
| 1826 | Speciation of arsenite and arsenate by electrothermal AAS following ionic liquid dispersive liquid-liquid microextraction. <i>Mikrochimica Acta</i> , 2013, 180, 415-421. | 2.5 | 41 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1827 | The prokaryotic community of a historically mining-impacted tropical stream sediment is as diverse as that from a pristine stream sediment. <i>Extremophiles</i> , 2013, 17, 301-309. | 0.9 | 49 |
| 1828 | Tetravalent Manganese Ferrihydrite: A Novel Nanoadsorbent Equally Selective for As(III) and As(V) Removal from Drinking Water. <i>Environmental Science & Technology</i> , 2013, 47, 9699-9705. | 4.6 | 89 |
| 1829 | Chitosan- and Iron-Modified Chitosan-Coated Sand Filters: A Cost-Effective Approach for Enhanced Arsenic Removal. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 2066-2072. | 1.8 | 48 |
| 1830 | Iron oxide nanoparticles in geomicrobiology: from biogeochemistry to bioremediation. <i>New Biotechnology</i> , 2013, 30, 793-802. | 2.4 | 104 |
| 1831 | Species distribution of arsenic in sediments after an unexpected emergent discharge of high-arsenic wastewater into a river. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 568-578. | 3.3 | 5 |
| 1832 | Arsenic removal from <i>Pinctada martensii</i> enzymatic hydrolysate by using Zr(IV)-loaded chelating resin. <i>Journal of Ocean University of China</i> , 2013, 12, 392-396. | 0.6 | 1 |
| 1833 | Origin, mobility, and temporal evolution of arsenic from a low-contamination catchment in Alpine crystalline rocks. <i>Journal of Hazardous Materials</i> , 2013, 262, 887-895. | 6.5 | 18 |
| 1834 | Diel variation of arsenic, molybdenum and antimony in a stream draining natural As geochemical anomaly. <i>Applied Geochemistry</i> , 2013, 31, 84-93. | 1.4 | 15 |
| 1835 | Mobilization of arsenic from acid deposition in the Elbe River catchment, Czech Republic. <i>Applied Geochemistry</i> , 2013, 33, 281-293. | 1.4 | 10 |
| 1836 | Evolving metalloid signatures in waters draining from a mined orogenic gold deposit, New Zealand. <i>Applied Geochemistry</i> , 2013, 31, 251-264. | 1.4 | 22 |
| 1837 | Abiotic oxidation of Mn(II) induced oxidation and mobilization of As(III) in the presence of magnetite and hematite. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 89-97. | 6.5 | 28 |
| 1838 | Investigation of potential interferences on the measurement of dissolved reactive phosphate using zirconium oxide-based DGT technique. <i>Journal of Environmental Sciences</i> , 2013, 25, 1592-1600. | 3.2 | 19 |
| 1839 | Distributed microbially- and chemically-mediated redox processes controlling arsenic dynamics within Mn-/Fe-oxide constructed aggregates. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 104, 29-41. | 1.6 | 41 |
| 1840 | Arsenic in a fractured slate aquifer system, New England, USA: Influence of bedrock geochemistry, groundwater flow paths, redox and ion exchange. <i>Applied Geochemistry</i> , 2013, 39, 181-192. | 1.4 | 24 |
| 1841 | Arsenic in agricultural and grazing land soils of Europe. <i>Applied Geochemistry</i> , 2013, 28, 2-10. | 1.4 | 73 |
| 1842 | Hydration of arsenic oxyacid species. <i>Dalton Transactions</i> , 2013, 42, 1364-1377. | 1.6 | 33 |
| 1843 | Hydrogeochemical characteristics of streams with and without acid mine drainage impacts: A paired catchment study in karst geology, SW China. <i>Journal of Hydrology</i> , 2013, 504, 115-124. | 2.3 | 34 |
| 1844 | Groundwater Arsenic Contamination Throughout China. <i>Science</i> , 2013, 341, 866-868. | 6.0 | 731 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1845 | The geochemical characteristics of the mud liquids in the Wushanting and Hsiaokunshui Mud Volcano region in southern Taiwan: Implications of humic substances for binding and mobilization of arsenic. <i>Journal of Geochemical Exploration</i> , 2013, 128, 62-71. | 1.5 | 22 |
| 1846 | Mapping the potential human health implications of groundwater pollution in southern Sri Lanka. <i>Water Resources and Rural Development</i> , 2013, 1-2, 27-42. | 1.1 | 18 |
| 1847 | A cost-effective system for in-situ geological arsenic adsorption from groundwater. <i>Journal of Contaminant Hydrology</i> , 2013, 154, 1-9. | 1.6 | 20 |
| 1848 | Simultaneous removal of arsenate and arsenite by a nanostructured zirconium-manganese binary hydrous oxide: Behavior and mechanism. <i>Journal of Colloid and Interface Science</i> , 2013, 397, 137-143. | 5.0 | 68 |
| 1849 | Geochemical Signature of Arsenic-Contaminated Groundwater in Barak Valley (Assam) and Surrounding Areas, Northeastern India. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 834-837. | 0.6 | 18 |
| 1850 | A simplified analysis of dimethylarsinic acid by wavelength dispersive X-ray fluorescence spectrometry combined with a strong cation exchange disk. <i>Journal of Hazardous Materials</i> , 2013, 260, 24-31. | 6.5 | 12 |
| 1851 | Kinetics of arsenite oxidation by <i>Variovorax</i> sp. MM-1 isolated from a soil and identification of arsenite oxidase gene. <i>Journal of Hazardous Materials</i> , 2013, 262, 997-1003. | 6.5 | 41 |
| 1852 | Implementation of the adsorbent iron-oxide-coated natural rock (IOCNR) on synthetic As(III) and on real arsenic-bearing sample with filter. <i>Applied Surface Science</i> , 2013, 284, 40-48. | 3.1 | 26 |
| 1853 | Preparation of ferric oxide modified diatomite and its application in the remediation of As(III) species from solution. <i>Microporous and Mesoporous Materials</i> , 2013, 169, 185-191. | 2.2 | 30 |
| 1854 | Bioaccumulation and the soil factors affecting the uptake of arsenic in earthworm, <i>Eisenia fetida</i> . <i>Environmental Science and Pollution Research</i> , 2013, 20, 8326-8333. | 2.7 | 17 |
| 1855 | Sources and transport of As, Cu, Cd and Pb in the environmental compartments of Deception Island, Antarctica. <i>Marine Pollution Bulletin</i> , 2013, 77, 341-348. | 2.3 | 31 |
| 1856 | Trace metal contamination of mineral spring water in an historical mining area in regional Victoria, Australia. <i>Journal of Asian Earth Sciences</i> , 2013, 77, 262-267. | 1.0 | 13 |
| 1857 | Arsenic urinary concentrations in children living in a naturally arsenic contaminated area. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 145-150. | 1.8 | 10 |
| 1858 | Arsenic Incorporation in Synthetic Struvite ($\text{NH}_4\text{MgPO}_4 \cdot 6\text{H}_2\text{O}$): A Synchrotron XAS and Single-Crystal EPR Study. <i>Environmental Science & Technology</i> , 2013, 47, 12728-12735. | 4.6 | 30 |
| 1859 | Arsenic, fluoride and iodine in groundwater of China. <i>Journal of Geochemical Exploration</i> , 2013, 135, 1-21. | 1.5 | 200 |
| 1860 | Arsenite Binding to Natural Organic Matter: Spectroscopic Evidence for Ligand Exchange and Ternary Complex Formation. <i>Environmental Science & Technology</i> , 2013, 47, 12165-12173. | 4.6 | 80 |
| 1861 | Preparation and evaluation of Zr^{IV} -FeOOH for efficient arsenic removal. <i>Journal of Environmental Sciences</i> , 2013, 25, 815-822. | 3.2 | 18 |
| 1862 | Rapid adsorption of arsenic from aqueous solution by ferrihydrite-coated sand and granular ferric hydroxide. <i>Applied Geochemistry</i> , 2013, 37, 179-189. | 1.4 | 34 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1863 | Mobilization and re-adsorption of arsenate on ferrihydrite and hematite in the presence of oxalate. <i>Journal of Hazardous Materials</i> , 2013, 262, 701-708. | 6.5 | 30 |
| 1864 | Arsenic Scavenging by Aluminum-Substituted Ferrihydrites in a Circumneutral pH River Impacted by Acid Mine Drainage.. <i>Environmental Science & Technology</i> , 2013, 47, 12784-12792. | 4.6 | 68 |
| 1865 | Nano-structured iron(III)-cerium(IV) mixed oxide: Synthesis, characterization and arsenic sorption kinetics in the presence of co-existing ions aiming to apply for high arsenic groundwater treatment. <i>Applied Surface Science</i> , 2013, 283, 471-481. | 3.1 | 61 |
| 1866 | Optimization of arsenic removal from drinking water by electrocoagulation batch process using response surface methodology. <i>Desalination and Water Treatment</i> , 2013, 51, 6676-6687. | 1.0 | 36 |
| 1867 | Bioremediation of Arsenic-Contaminated Water: Recent Advances and Future Prospects. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 1.1 | 62 |
| 1868 | Acclimation of arsenic-resistant Fe(II)-oxidizing bacteria in aqueous environment. <i>International Biodeterioration and Biodegradation</i> , 2013, 76, 86-91. | 1.9 | 27 |
| 1869 | Arsenic sequestration in iron plaque and its effect on As uptake by rice plants grown in paddy soils with high contents of As, iron oxides, and organic matter. <i>Soil Science and Plant Nutrition</i> , 2013, 59, 463-471. | 0.8 | 68 |
| 1870 | Surfactant assisted Ce-Fe mixed oxide decorated multiwalled carbon nanotubes and their arsenic adsorption performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11355. | 5.2 | 151 |
| 1871 | Adsorptive removal of arsenic in saturated sand filter containing amended adsorbents. <i>Ecological Engineering</i> , 2013, 60, 345-353. | 1.6 | 19 |
| 1872 | Arsenic and iron removal from groundwater by oxidation-coagulation at optimized pH: Laboratory and field studies. <i>Journal of Hazardous Materials</i> , 2013, 260, 618-626. | 6.5 | 110 |
| 1873 | Removal of groundwater arsenic using a household filter with iron spikes and stainless steel. <i>Journal of Environmental Management</i> , 2013, 131, 103-109. | 3.8 | 22 |
| 1874 | Arsenic levels in drinking water and mortality of liver cancer in Taiwan. <i>Journal of Hazardous Materials</i> , 2013, 262, 1132-1138. | 6.5 | 109 |
| 1876 | Environmental arsenic contamination and its health effects in a historic gold mining area of the Mangalur greenstone belt of Northeastern Karnataka, India. <i>Journal of Hazardous Materials</i> , 2013, 262, 1048-1055. | 6.5 | 64 |
| 1877 | Arsenic contamination: a potential hazard to the affected areas of West Bengal, India. <i>Environmental Geochemistry and Health</i> , 2013, 35, 119-132. | 1.8 | 101 |
| 1878 | Occupational exposure to arsenic and risk of nonmelanoma skin cancer in a multinational European study. <i>International Journal of Cancer</i> , 2013, 133, 2182-2191. | 2.3 | 44 |
| 1879 | Efficient removal of trace arsenite through oxidation and adsorption by magnetic nanoparticles modified with Fe-Mn binary oxide. <i>Water Research</i> , 2013, 47, 3411-3421. | 5.3 | 196 |
| 1880 | Treatment of wastewater containing arsenic using <i>Rhazya stricta</i> as a new adsorbent. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 9669-9681. | 1.3 | 23 |
| 1881 | The Use of Stable Sulfur, Oxygen and Hydrogen Isotope Ratios as Geochemical Tracers of Sulfates in the PodwiÅ³wka Acid Drainage Area (South-Central Poland). <i>Aquatic Geochemistry</i> , 2013, 19, 261-280. | 1.5 | 24 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1882 | The Distribution of Antimony and Arsenic in Waters of the DĀbrava Abandoned Mine Site, Slovak Republic. <i>Mine Water and the Environment</i> , 2013, 32, 207-221. | 0.9 | 17 |
| 1883 | Probabilistic health risk assessment for ingestion of seafood farmed in arsenic contaminated groundwater in Taiwan. <i>Environmental Geochemistry and Health</i> , 2013, 35, 455-464. | 1.8 | 31 |
| 1884 | Arsenic occurrence and accumulation in soil and water of eastern districts of Uttar Pradesh, India. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4995-5002. | 1.3 | 60 |
| 1885 | Body composition and arsenic metabolism: a cross-sectional analysis in the Strong Heart Study. <i>Environmental Health</i> , 2013, 12, 107. | 1.7 | 47 |
| 1886 | Effect of competing ligands on the sorption/desorption of arsenite on/from MgĀFe layered double hydroxides (MgĀFe-LDH). <i>Chemical Engineering Journal</i> , 2013, 225, 704-709. | 6.6 | 56 |
| 1887 | Bifunctional resin-ZVI composites for effective removal of arsenite through simultaneous adsorption and oxidation. <i>Water Research</i> , 2013, 47, 6064-6074. | 5.3 | 102 |
| 1888 | Arsenate removal from aqueous media on iron-oxide-coated natural rock (IOCNR): a comprehensive batch study. <i>Desalination and Water Treatment</i> , 2013, 51, 7775-7790. | 1.0 | 12 |
| 1889 | Hydrochemical, mineralogical and isotopic investigation of arsenic distribution and mobilization in the Guandu wetland of Taiwan. <i>Journal of Hydrology</i> , 2013, 498, 274-286. | 2.3 | 25 |
| 1890 | Influence of compost on the mobility of arsenic in soil and its uptake by bean plants (<i>Phaseolus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42 128, 837-843. | 3.8 | 37 |
| 1891 | The impact of oscillating redox conditions: Arsenic immobilisation in contaminated calcareous floodplain soils. <i>Environmental Pollution</i> , 2013, 178, 254-263. | 3.7 | 73 |
| 1892 | Cu(II) incorporation to schwertmannite: Effect on stability and reactivity under AMD conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 149-163. | 1.6 | 51 |
| 1893 | Assessment of a sequential extraction procedure for arsenic partitioning and application to samples from different pollution sources. <i>Analytical Methods</i> , 2013, 5, 4096. | 1.3 | 25 |
| 1894 | Cold-adapted arsenite oxidase from a psychrotolerant <i>Polaromonas</i> species. <i>Metallomics</i> , 2013, 5, 318-324. | 1.0 | 12 |
| 1895 | Baseline comorbidities in a skin cancer prevention trial in Bangladesh. <i>European Journal of Clinical Investigation</i> , 2013, 43, 579-588. | 1.7 | 36 |
| 1896 | Adsorbent prepared from red mud and its adsorption characteristics of As(V). <i>Desalination and Water Treatment</i> , 2013, 51, 7825-7831. | 1.0 | 3 |
| 1897 | An Associative Relational Impact of Water Quality on Crop Yield: A Comprehensive Index Analysis Using LISS-III Sensor. <i>IEEE Sensors Journal</i> , 2013, 13, 4912-4917. | 2.4 | 20 |
| 1898 | Hydrogeochemical factors affecting the mobilization of As into the groundwater of the Brahmaputra alluvial plains of Assam, Northeast India. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1775. | 1.7 | 8 |
| 1899 | Organic Carbon and Reducing Conditions Lead to Cadmium Immobilization by Secondary Fe Mineral Formation in a pH-Neutral Soil. <i>Environmental Science & Technology</i> , 2013, 47, 13430-13439. | 4.6 | 114 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1900 | A study on adsorption mechanism of organoarsenic compounds on ferrihydrite by XAFS. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012100. | 0.3 | 4 |
| 1901 | Arsenic Removal from Water Using Flame-Synthesized Iron Oxide Nanoparticles with Variable Oxidation States. <i>Aerosol Science and Technology</i> , 2013, 47, 169-176. | 1.5 | 35 |
| 1902 | Heavy metals distribution in muscle, liver, kidney and gill of European catfish (<i>Silurus glanis</i>) from Italian Rivers. <i>Chemosphere</i> , 2013, 90, 358-365. | 4.2 | 161 |
| 1903 | Elucidating Mechanisms of Competitive Sorption at the Mineral/Water Interface. <i>Advances in Agronomy</i> , 2013, , 111-176. | 2.4 | 57 |
| 1904 | Simultaneous reduction of Cr(VI) and oxidation of As(III) by <i>Bacillus firmus</i> TE7 isolated from tannery effluent. <i>Chemosphere</i> , 2013, 90, 2273-2278. | 4.2 | 79 |
| 1905 | Enrichment of arsenic in surface water, stream sediments and soils in Tibet. <i>Journal of Geochemical Exploration</i> , 2013, 135, 104-116. | 1.5 | 60 |
| 1906 | Water regimes: an approach of mitigation arsenic in summer rice (<i>Oryza sativa</i> L.) under different toposequences on arsenic-contaminated soils of Bengal delta. <i>Paddy and Water Environment</i> , 2013, 11, 397-410. | 1.0 | 16 |
| 1907 | Arsenic Accumulation and Tolerance of <i>Cytisus scoparius</i> Under Controlled Conditions. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 1.1 | 4 |
| 1908 | Fluoride and Arsenic in an Alluvial Aquifer System in Chihuahua, Mexico: Contaminant Levels, Potential Sources, and Co-occurrence. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1. | 1.1 | 34 |
| 1909 | Compositionally heterogeneous podiform chromitite in the Shetland Ophiolite Complex (Scotland): Implications for chromitite petrogenesis and late-stage alteration in the upper mantle portion of a supra-subduction zone ophiolite. <i>Lithos</i> , 2013, 162-163, 279-300. | 0.6 | 53 |
| 1910 | Studying arseniteâ€“humic acid complexation using size exclusion chromatographyâ€“inductively coupled plasma mass spectrometry. <i>Journal of Hazardous Materials</i> , 2013, 262, 1223-1229. | 6.5 | 26 |
| 1911 | Bioaccessibility and health risk assessment of arsenic in arsenic-enriched soils, Central India. <i>Ecotoxicology and Environmental Safety</i> , 2013, 92, 252-257. | 2.9 | 56 |
| 1912 | Elemental chemistry of sand-boil discharge used to trace variable pathways of seepage beneath levees during the 2011 Mississippi River flood. <i>Applied Geochemistry</i> , 2013, 28, 62-68. | 1.4 | 9 |
| 1913 | Mineralogical approach in elucidation of contamination mechanism for toxic trace elements in the environment: Special reference to arsenic contamination in groundwater. <i>Physics and Chemistry of the Earth</i> , 2013, 58-60, 2-12. | 1.2 | 8 |
| 1914 | Distribution of groundwater arsenic and hydraulic gradient along the shallow groundwater flow-path in Hetao Plain, Northern China. <i>Journal of Geochemical Exploration</i> , 2013, 135, 31-39. | 1.5 | 35 |
| 1915 | Removal of arsenic(III) from aqueous solution using a low-cost by-product in Fe-removal plantsâ€“Fe-based backwashing sludge. <i>Chemical Engineering Journal</i> , 2013, 226, 393-401. | 6.6 | 57 |
| 1916 | Biomarkers of renal toxicity caused by exposure to arsenic in drinking water. <i>Environmental Toxicology and Pharmacology</i> , 2013, 35, 495-501. | 2.0 | 19 |
| 1917 | Arsenic transport in irrigation water across rice-field soils in Bangladesh. <i>Environmental Pollution</i> , 2013, 179, 210-217. | 3.7 | 54 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1918 | Characterisation of organic matter associated with groundwater arsenic in reducing aquifers of southwestern Taiwan. <i>Journal of Hazardous Materials</i> , 2013, 262, 970-979. | 6.5 | 32 |
| 1919 | Characterization of arsenic-contaminated aquifer sediments from eastern Croatia by ion microbeam, PIXE and ICP-OES techniques. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 312, 23-29. | 0.6 | 2 |
| 1920 | Linking geochemical processes in mud volcanoes with arsenic mobilization driven by organic matter. <i>Journal of Hazardous Materials</i> , 2013, 262, 980-988. | 6.5 | 16 |
| 1921 | Geochemistry of cold seepage-impacted sediments: Per-ascensum or per-descensum trace metal enrichment?. <i>Chemical Geology</i> , 2013, 340, 1-12. | 1.4 | 63 |
| 1922 | Coupling predicted model of arsenic in groundwater with endemic arsenism occurrence in Shanxi Province, Northern China. <i>Journal of Hazardous Materials</i> , 2013, 262, 1147-1153. | 6.5 | 25 |
| 1923 | Coexistence of adsorption and coagulation processes of both arsenate and NOM from contaminated groundwater by nanocrystallined Mg/Al layered double hydroxides. <i>Water Research</i> , 2013, 47, 4159-4168. | 5.3 | 150 |
| 1924 | Occurrence of arsenic in two large shallow freshwater lakes in China and a comparison to other lakes around the world. <i>Microchemical Journal</i> , 2013, 110, 169-177. | 2.3 | 34 |
| 1925 | Mobility of arsenic in aquifer sediments at Datong Basin, northern China: Effect of bicarbonate and phosphate. <i>Journal of Geochemical Exploration</i> , 2013, 135, 93-103. | 1.5 | 43 |
| 1926 | Simulating fluoride evolution in groundwater using a reactive multicomponent transient transport model: Application to a crystalline aquifer of Southern India. <i>Applied Geochemistry</i> , 2013, 29, 102-116. | 1.4 | 50 |
| 1927 | Photooxidation of Arsenite under 254 nm Irradiation with a Quantum Yield Higher than Unity. <i>Environmental Science & Technology</i> , 2013, 47, 9381-9387. | 4.6 | 70 |
| 1928 | Geochemical assessment of arsenic toxicity in mine site along the proposed Mineral Tramway Project, Camborne, Cornwall. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2013, 13, 145-157. | 0.5 | 7 |
| 1929 | Dynamic behaviors of water levels and arsenic concentration in shallow groundwater from the Hetao Basin, Inner Mongolia. <i>Journal of Geochemical Exploration</i> , 2013, 135, 130-140. | 1.5 | 41 |
| 1930 | Geogenic arsenic and other trace elements in the shallow hydrogeologic system of Southern Poopã ³ Basin, Bolivian Altiplano. <i>Journal of Hazardous Materials</i> , 2013, 262, 924-940. | 6.5 | 50 |
| 1931 | Relationship of arsenic concentration with ammonium nitrogen concentration, oxidation reduction potential and pH of groundwater in arsenic-contaminated areas in Asia. <i>Physics and Chemistry of the Earth</i> , 2013, 58-60, 85-88. | 1.2 | 12 |
| 1932 | A modified sequential extraction method for arsenic fractionation in sediments. <i>Analytica Chimica Acta</i> , 2013, 787, 102-110. | 2.6 | 51 |
| 1933 | Modelling the non-biogenic steps of arsenic retention in horizontal subsurface flow constructed wetlands. <i>Chemical Engineering Journal</i> , 2013, 223, 657-664. | 6.6 | 5 |
| 1934 | Effect of particle size of drinking-water treatment residuals on the sorption of arsenic in the presence of competing ions. <i>Journal of Hazardous Materials</i> , 2013, 260, 644-651. | 6.5 | 65 |
| 1935 | Microbial effects on the release and attenuation of arsenic in the shallow subsurface of a natural geochemical anomaly. <i>Environmental Pollution</i> , 2013, 180, 84-91. | 3.7 | 21 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1936 | Arsenic ecotoxicology: The interface between geosphere, hydrosphere and biosphere. <i>Journal of Hazardous Materials</i> , 2013, 262, 883-886. | 6.5 | 18 |
| 1937 | Trace element source terms for mineral dissolution. <i>Applied Geochemistry</i> , 2013, 37, 94-101. | 1.4 | 5 |
| 1938 | Role of Colloidal Particles as Scavengers of Groundwater Arsenic: A Case Study from Rural Bengal. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 546-549. | 0.6 | 2 |
| 1939 | A review of arsenic presence in China drinking water. <i>Journal of Hydrology</i> , 2013, 492, 79-88. | 2.3 | 144 |
| 1940 | pH-conditioning for simultaneous removal of arsenic and iron ions from groundwater. <i>Chemical Engineering Research and Design</i> , 2013, 91, 405-414. | 2.7 | 17 |
| 1941 | Effect of glucosamine and chito oligomer on the toxicity of arsenite against <i>Escherichia coli</i> . <i>Carbohydrate Polymers</i> , 2013, 91, 390-393. | 5.1 | 13 |
| 1942 | Hydrogeochemical and mineralogical investigations of arsenic- and humic substance-enriched aquifers. <i>Journal of Hydrology</i> , 2013, 498, 59-75. | 2.3 | 14 |
| 1943 | Field separation-based speciation analysis of inorganic arsenic in public well water in Hungary. <i>Microchemical Journal</i> , 2013, 107, 131-135. | 2.3 | 29 |
| 1944 | Hazardous impact of organic arsenical compounds in chicken feed on different tissues of broiler chicken and manure. <i>Ecotoxicology and Environmental Safety</i> , 2013, 87, 120-123. | 2.9 | 31 |
| 1945 | Effect of organic matter amendment, arsenic amendment and water management regime on rice grain arsenic species. <i>Environmental Pollution</i> , 2013, 177, 38-47. | 3.7 | 82 |
| 1946 | Arsenic release from arsenopyrite weathering: Insights from sequential extraction and microscopic studies. <i>Journal of Hazardous Materials</i> , 2013, 262, 896-904. | 6.5 | 57 |
| 1947 | Type and Origin of Springs and Hotsprings at Surrounding Ridges of Bandung Basin, Related with its Potential Natural Contamination. <i>Procedia Earth and Planetary Science</i> , 2013, 6, 262-268. | 0.6 | 3 |
| 1948 | Pathways of coupled arsenic and iron cycling in high arsenic groundwater of the Hetao basin, Inner Mongolia, China: An iron isotope approach. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 112, 130-145. | 1.6 | 109 |
| 1949 | Control of early diagenesis processes on trace metal (Cu, Zn, Cd, Pb and U) and metalloid (As, Sb) behaviors in mining- and smelting-impacted lacustrine environments of the Bolivian Altiplano. <i>Applied Geochemistry</i> , 2013, 31, 60-78. | 1.4 | 30 |
| 1950 | Arsenic tolerance of cyanobacterial strains with potential use in biotechnology. <i>Revista Argentina De Microbiologia</i> , 2013, 45, 174-179. | 0.4 | 20 |
| 1951 | Comparison of Arsenic Adsorption on Lignite, Bentonite, Shale, and Iron Sand from Indonesia. <i>Procedia Earth and Planetary Science</i> , 2013, 6, 242-250. | 0.6 | 31 |
| 1952 | CO ₂ -induced shift in microbial activity affects carbon trapping and water quality in anoxic bioreactors. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 198-208. | 1.6 | 28 |
| 1953 | Colloid-associated export of arsenic in stream water during stormflow events. <i>Chemical Geology</i> , 2013, 352, 81-91. | 1.4 | 46 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1954 | Arsenite adsorption on cryogels embedded with iron-aluminium double hydrous oxides: Possible polishing step for smelting wastewater?. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 469-476. | 6.5 | 25 |
| 1955 | Microwave assisted synthesis of polycinnamamide Mg/Al mixed oxide nanocomposite and its application towards the removal of arsenate from aqueous medium. <i>Chemical Engineering Journal</i> , 2013, 230, 48-58. | 6.6 | 17 |
| 1956 | Arsenic attenuation in geothermal streamwater coupled with biogenic arsenic(III) oxidation. <i>Applied Geochemistry</i> , 2013, 35, 154-160. | 1.4 | 20 |
| 1957 | Arsenate Adsorption on Iron Modified Artificial Zeolite Made from Coal Fly Ash. <i>Procedia Environmental Sciences</i> , 2013, 17, 279-284. | 1.3 | 11 |
| 1958 | Spatial and temporal patterns of groundwater arsenic in shallow and deep groundwater of Yinchuan Plain, China. <i>Journal of Geochemical Exploration</i> , 2013, 135, 71-78. | 1.5 | 57 |
| 1959 | Association of arsenic, cadmium and manganese exposure with neurodevelopment and behavioural disorders in children: A systematic review and meta-analysis. <i>Science of the Total Environment</i> , 2013, 454-455, 562-577. | 3.9 | 242 |
| 1960 | Reductive dissolution of goethite and hematite by reduced flavins. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 139-154. | 1.6 | 41 |
| 1961 | Sediment characterization and its implications for arsenic mobilization in deep aquifers of eastern Croatia. <i>Journal of Geochemical Exploration</i> , 2013, 126-127, 55-66. | 1.5 | 12 |
| 1962 | Formation process of pyrite polyframboid based on the heavy-metal analysis by micro-PIXE. <i>Environmental Earth Sciences</i> , 2013, 69, 811-819. | 1.3 | 4 |
| 1963 | Applied ecology in India: scope of science and policy to meet contemporary environmental and socio-ecological challenges. <i>Journal of Applied Ecology</i> , 2013, 50, 4-14. | 1.9 | 16 |
| 1964 | Electrochemical Detection of Arsenic(III) Completely Free from Noble Metal: Fe ₃ O ₄ Microspheres-Room Temperature Ionic Liquid Composite Showing Better Performance than Gold. <i>Analytical Chemistry</i> , 2013, 85, 2673-2680. | 3.2 | 194 |
| 1965 | Surface complexation modelling of arsenate and copper adsorbed at the goethite/water interface. <i>Applied Geochemistry</i> , 2013, 35, 64-74. | 1.4 | 9 |
| 1966 | Mercury, arsenic and selenium concentrations in water and fish from sub-Saharan semi-arid freshwater reservoirs (Burkina Faso). <i>Science of the Total Environment</i> , 2013, 444, 243-254. | 3.9 | 78 |
| 1967 | Oxidative removal of arsenite by Fe(II)- and polyoxometalate (POM)-amended zero-valent aluminum (ZVAL) under oxic conditions. <i>Water Research</i> , 2013, 47, 2583-2591. | 5.3 | 38 |
| 1968 | Changes in catchment conditions lead to enhanced remobilization of arsenic in a water reservoir. <i>Science of the Total Environment</i> , 2013, 449, 63-70. | 3.9 | 10 |
| 1969 | Synthesis of tetra-substituted calix[4]arene ionophores and their recognition studies toward toxic arsenate anions. <i>Tetrahedron</i> , 2013, 69, 3218-3224. | 1.0 | 15 |
| 1970 | Remediation of inorganic arsenic in groundwater for safe water supply: A critical assessment of technological solutions. <i>Chemosphere</i> , 2013, 92, 157-170. | 4.2 | 270 |
| 1971 | Arsenic release from deep natural solid matrices under experimentally controlled redox conditions. <i>Science of the Total Environment</i> , 2013, 444, 231-240. | 3.9 | 43 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1972 | Arsenate and arsenite: the toxic effects on photosynthesis and growth of lettuce plants. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1201-1209. | 1.0 | 102 |
| 1973 | Arsenic in framboidal pyrite from recent sediments of a shallow water lagoon of the Baltic Sea. <i>Sedimentology</i> , 2013, 60, 1389-1404. | 1.6 | 19 |
| 1974 | Arsenic bioaccessibility in gold mine tailings of Delita, Cuba. <i>Journal of Hazardous Materials</i> , 2013, 262, 1004-1013. | 6.5 | 37 |
| 1975 | Iron nanoparticles for environmental clean-up: recent developments and future outlook. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 63-77. | 1.7 | 316 |
| 1976 | Effects of microbial processes on the fate of arsenic in paddy soil. <i>Science Bulletin</i> , 2013, 58, 186-193. | 1.7 | 49 |
| 1977 | Groundwater arsenic contamination risk prediction using GIS and classification tree method. <i>Engineering Geology</i> , 2013, 156, 37-45. | 2.9 | 33 |
| 1978 | Chitosan-transition metal ions complexes for selective arsenic(V) preconcentration. <i>Water Research</i> , 2013, 47, 3497-3506. | 5.3 | 82 |
| 1979 | Adsorption behavior of As(III) onto a copper ferrite generated from printed circuit board industry. <i>Chemical Engineering Journal</i> , 2013, 225, 433-439. | 6.6 | 45 |
| 1980 | Arsenic removal by modified activated carbons with iron hydro(oxide) nanoparticles. <i>Journal of Environmental Management</i> , 2013, 114, 225-231. | 3.8 | 127 |
| 1981 | Biosorption and toxicity responses to arsenite (As[III]) in <i>Scenedesmus quadricauda</i> . <i>Chemosphere</i> , 2013, 92, 1077-1084. | 4.2 | 36 |
| 1982 | Effect of iron redox transformations on arsenic solid-phase associations in an arsenic-rich, ferruginous hydrothermal sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 102, 124-142. | 1.6 | 34 |
| 1983 | Biogas slurry application elevated arsenic accumulation in rice plant through increased arsenic release and methylation in paddy soil. <i>Plant and Soil</i> , 2013, 365, 387-396. | 1.8 | 29 |
| 1984 | Concentration of arsenic in water, sediments and fish species from naturally contaminated rivers. <i>Environmental Geochemistry and Health</i> , 2013, 35, 201-214. | 1.8 | 36 |
| 1985 | The difference of diffusion coefficients in water for arsenic compounds at various pH and its dominant factors implied by molecular simulations. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 360-371. | 1.6 | 47 |
| 1986 | Comparative oxidation state specific analysis of arsenic species by high-performance liquid chromatography-inductively coupled plasma-mass spectrometry and hydride generation-cryotrapping-atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 843. | 1.6 | 19 |
| 1987 | Î±-Fe ₂ O ₃ nanowires deposited diatomite: highly efficient absorbents for the removal of arsenic. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7729. | 5.2 | 67 |
| 1988 | Mobility and chemical fate of antimony and arsenic in historic mining environments of the Kantishna Hills district, Denali National Park and Preserve, Alaska. <i>Chemical Geology</i> , 2013, 335, 172-188. | 1.4 | 126 |
| 1989 | <i>Bacillus</i> sp. SXB and <i>Pantoea</i> sp. IMH, aerobic As(V)-reducing bacteria isolated from arsenic-contaminated soil. <i>Journal of Applied Microbiology</i> , 2013, 114, 713-721. | 1.4 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1990 | Speciation of arsenic in Greek travertines: Co-precipitation of arsenate with calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 99-110. | 1.6 | 58 |
| 1991 | Arsenic Contaminated Groundwater and Its Treatment Options in Bangladesh. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 18-46. | 1.2 | 95 |
| 1992 | Synthesis of Au-Decorated Tripod-Shaped Te Hybrids for Applications in the Ultrasensitive Detection of Arsenic. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5733-5740. | 4.0 | 68 |
| 1993 | Titanium Dioxide-Based Hybrid Ion-Exchange Media for Simultaneous Removal of Arsenic and Nitrate. <i>ACS Symposium Series</i> , 2013, , 223-236. | 0.5 | 8 |
| 1994 | Hematite Nanoparticle Modified Granular Activated Carbon for Removal of Arsenic and Organic Co-Contaminants. <i>ACS Symposium Series</i> , 2013, , 205-222. | 0.5 | 1 |
| 1995 | Arsenic(III, V) adsorption on a goethite-based adsorbent in the presence of major co-existing ions: Modeling competitive adsorption consistent with spectroscopic and molecular evidence. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 404-428. | 1.6 | 147 |
| 1996 | Utilization of anion exchange resin Spectra/Gel for separation of arsenic from water. <i>Arabian Journal of Chemistry</i> , 2013, 6, 307-311. | 2.3 | 22 |
| 1997 | Synthesis of mesoporous Cu/Mg/Fe layered double hydroxide and its adsorption performance for arsenate in aqueous solutions. <i>Journal of Environmental Sciences</i> , 2013, 25, 944-953. | 3.2 | 40 |
| 1998 | Toxicity and bioaccumulation kinetics of arsenate in two freshwater green algae under different phosphate regimes. <i>Water Research</i> , 2013, 47, 2497-2506. | 5.3 | 148 |
| 1999 | Novel Fe loaded activated carbons with tailored properties for As(V) removal: Adsorption study correlated with carbon surface chemistry. <i>Chemical Engineering Journal</i> , 2013, 215-216, 105-112. | 6.6 | 46 |
| 2000 | XANES evidence of arsenate removal from water with magnetic ferrite. <i>Journal of Environmental Management</i> , 2013, 120, 114-119. | 3.8 | 17 |
| 2001 | Co-occurrence of arsenic and fluoride in groundwater of semi-arid regions in Latin America: Genesis, mobility and remediation. <i>Journal of Hazardous Materials</i> , 2013, 262, 960-969. | 6.5 | 206 |
| 2002 | INFLUENCE OF SOIL PROPERTIES AND PHOSPHATE ADDITION ON ARSENIC UPTAKE FROM POLLUTED SOILS BY VELVETGRASS (<i>HOLCUS LANATUS</i>). <i>International Journal of Phytoremediation</i> , 2013, 15, 91-104. | 1.7 | 21 |
| 2003 | Preparative separation of arsenate from phosphate by IRA-400 (OH) for oxygen isotopic work. <i>Talanta</i> , 2013, 105, 46-51. | 2.9 | 7 |
| 2004 | Spatio-temporal distribution and environmental risk of arsenic in sediments of the East China Sea. <i>Chemical Geology</i> , 2013, 340, 21-31. | 1.4 | 44 |
| 2005 | The distribution of arsenic in shallow alluvial groundwater under agricultural land in central Portugal: Insights from multivariate geostatistical modeling. <i>Science of the Total Environment</i> , 2013, 449, 37-51. | 3.9 | 30 |
| 2006 | Hydrogeochemical Trends of the Valenciana Tailings, Mexico. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 717-720. | 0.6 | 0 |
| 2007 | Facile synthesis of mesoporous Ce-Fe bimetal oxide and its enhanced adsorption of arsenate from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2013, 398, 142-151. | 5.0 | 90 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2008 | Nanostructured iron(III)-copper(II) binary oxide: A novel adsorbent for enhanced arsenic removal from aqueous solutions. <i>Water Research</i> , 2013, 47, 4022-4031. | 5.3 | 290 |
| 2009 | Apple Peels—A Versatile Biomass for Water Purification?. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4443-4449. | 4.0 | 109 |
| 2010 | Arsenics as bioenergetic substrates. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 176-188. | 0.5 | 105 |
| 2011 | Micro x-ray absorption spectroscopic analysis of arsenic localization and biotransformation in <i>Chironomus riparius</i> Meigen (Diptera: Chironomidae) and <i>Culex tarsalis</i> Coquillett (Culicidae). <i>Environmental Pollution</i> , 2013, 180, 78-83. | 3.7 | 16 |
| 2012 | Sulfate Availability Drives Divergent Evolution of Arsenic Speciation during Microbially Mediated Reductive Transformation of Schwertmannite. <i>Environmental Science & Technology</i> , 2013, 47, 2221-2229. | 4.6 | 77 |
| 2013 | Bacterial metabolism of environmental arsenic—mechanisms and biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3827-3841. | 1.7 | 161 |
| 2014 | Molecular Modifications Induced by Inorganic Arsenic in <i>Vicia faba</i> Investigated by FTIR, FTNIR Spectroscopy and Genotoxicity Testing. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 281-290. | 1.1 | 9 |
| 2015 | Proteomic approach of adaptive response to arsenic stress in <i>Exiguobacterium</i> sp. S17, an extremophile strain isolated from a high-altitude Andean Lake stromatolite. <i>Extremophiles</i> , 2013, 17, 421-431. | 0.9 | 68 |
| 2016 | Arsenic-Bearing Calcite in Natural Travertines: Evidence from Sequential Extraction, μ XAS, and μ XRF. <i>Environmental Science & Technology</i> , 2013, 47, 6231-6238. | 4.6 | 46 |
| 2017 | Arsenic removal from groundwater by electrocoagulation in a pre-pilot-scale continuous filter press reactor. <i>Chemical Engineering Science</i> , 2013, 97, 1-6. | 1.9 | 68 |
| 2018 | Arsenic Dissolution from Japanese Paddy Soil by a Dissimilatory Arsenate-Reducing Bacterium <i>Geobacter</i> sp. OR-1. <i>Environmental Science & Technology</i> , 2013, 47, 6263-6271. | 4.6 | 157 |
| 2019 | Ionically modified magnetic nanomaterials for arsenic and chromium removal from water. <i>Chemical Engineering Journal</i> , 2013, 225, 607-615. | 6.6 | 132 |
| 2020 | Surface Interactions of Aromatic Organoarsenical Compounds with Hematite Nanoparticles Using ATR-FTIR: Kinetic Studies. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2195-2204. | 1.1 | 33 |
| 2021 | Characterization and transcription of arsenic respiration and resistance genes during <i>in situ</i> uranium bioremediation. <i>ISME Journal</i> , 2013, 7, 370-383. | 4.4 | 80 |
| 2022 | Dissolved trace metals in the shallow aquifers of the Jia Bharali River Basin, North Brahmaputra Plain. <i>Journal of the Geological Society of India</i> , 2013, 82, 162-168. | 0.5 | 4 |
| 2023 | Chemical modification, characterization, and application of chicken feathers as novel biosorbents. <i>RSC Advances</i> , 2013, 3, 20800-20810. | 1.7 | 113 |
| 2024 | Enhancement of Arsenic Adsorption during Mineral Transformation from Siderite to Goethite: Mechanism and Application. <i>Environmental Science & Technology</i> , 2013, 47, 1009-1016. | 4.6 | 131 |
| 2025 | Spatial Distribution and Speciation of Arsenic in Peat Studied with Microfocused X-ray Fluorescence Spectrometry and X-ray Absorption Spectroscopy. <i>Environmental Science & Technology</i> , 2013, 47, 9706-9714. | 4.6 | 69 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2026 | Modeling and study of the mechanism of mobilization of arsenic contamination in the groundwater of Nepal in South Asia. <i>Clean Technologies and Environmental Policy</i> , 2013, 15, 1077-1082. | 2.1 | 7 |
| 2027 | Fate of Arsenic during Microbial Reduction of Biogenic versus Abiogenic As(III) Mineral Coprecipitates. <i>Environmental Science & Technology</i> , 2013, 47, 130711140829002. | 4.6 | 41 |
| 2028 | Arsenic in solution, colloidal and particulate phases of East-Hainan estuaries. <i>Continental Shelf Research</i> , 2013, 57, 73-81. | 0.9 | 20 |
| 2029 | Potential Impacts of CO ₂ Leakage on Groundwater Chemistry from Laboratory Batch Experiments and Field Push-pull Tests. <i>Environmental Science & Technology</i> , 2013, 47, 130905130052009. | 4.6 | 14 |
| 2030 | The Mazarr n basin, SE Spain: a study of mineralization processes, evolving magmatic series, and geothermal activity. <i>International Geology Review</i> , 2013, 55, 1978-1990. | 1.1 | 10 |
| 2031 | Distribution of inorganic arsenic species in groundwater from Central-West Part of Santa Fe Province, Argentina. <i>Applied Geochemistry</i> , 2013, 39, 43-48. | 1.4 | 13 |
| 2032 | Using indicator kriging for the evaluation of arsenic potential contamination in an abandoned mining area (Portugal). <i>Science of the Total Environment</i> , 2013, 442, 545-552. | 3.9 | 60 |
| 2033 | Natural Decrease of Dissolved Arsenic in a Small Stream Receiving Drainages of Abandoned Silver Mines in Guanajuato, Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 539-544. | 1.3 | 6 |
| 2034 | Higher sorption of arsenate versus arsenite on amorphous Al-oxide, effect of ligands. <i>Environmental Chemistry Letters</i> , 2013, 11, 289-294. | 8.3 | 34 |
| 2035 | Arsenic Levels and Speciation from Ingestion Exposures to Biomarkers in Shanxi, China: Implications for Human Health. <i>Environmental Science & Technology</i> , 2013, 47, 5419-5424. | 4.6 | 82 |
| 2036 | Microscale Speciation of Arsenic and Iron in Ferric-Based Sorbents Subjected to Simulated Landfill Conditions. <i>Environmental Science & Technology</i> , 2013, 47, 12992-13000. | 4.6 | 32 |
| 2037 | Drinking Water from Hand-Pumps in Mali, Niger, and Ghana, West Africa: Review of Health Effects. <i>Journal of Water Resource and Protection</i> , 2013, 05, 13-20. | 0.3 | 7 |
| 2038 | Biosorption of Arsenic(III) from Aqueous Solutions by Modified Fungal Biomass of <i>Paecilomyces</i> sp.. <i>Bioinorganic Chemistry and Applications</i> , 2013, 2013, 1-5. | 1.8 | 24 |
| 2039 | Genesis of Arsenic-Rich Groundwater and the Search for Alternative Safe Aquifers in the Gangetic Plain, India. <i>Water Environment Research</i> , 2013, 85, 2254-2264. | 1.3 | 26 |
| 2040 | Sample Collection into Sterile Vacuum Tubes to Preserve Arsenic Speciation in Natural Water Samples. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 1080-1088. | 0.7 | 2 |
| 2041 | Absorption Behavior of a Modified Cellulose Hydrogel for both Fluoride and Arsenic. <i>Advanced Materials Research</i> , 0, 726-731, 733-738. | 0.3 | 4 |
| 2042 | Arsenate Retention by Epipsammic Biofilms Developed on Streambed Sediments: Influence of Phosphate. <i>BioMed Research International</i> , 2013, 2013, 1-10. | 0.9 | 9 |
| 2043 | Adsorption of Arsenic on MgAl Layered Double Hydroxide. <i>Croatica Chemica Acta</i> , 2013, 86, 273-279. | 0.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2044 | Arsenic Distribution and Adsorption Behavior in the Sediments of the Daliao River System in China. <i>Water Environment Research</i> , 2013, 85, 687-695. | 1.3 | 5 |
| 2045 | Multivariate Analysis of Metal Levels in Paddy Soil, Rice Plants, and Rice Grains: A Case Study from Shakargarh, Pakistan. <i>Journal of Chemistry</i> , 2013, 2013, 1-10. | 0.9 | 25 |
| 2046 | Release of Arsenic from Soil by a Novel Dissimilatory Arsenate-Reducing Bacterium, <i>Anaeromyxobacter</i> sp. Strain PSR-1. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4635-4642. | 1.4 | 101 |
| 2048 | Hillslopes Record the Growth and Decay of Landscapes. <i>Science</i> , 2013, 341, 868-871. | 6.0 | 62 |
| 2049 | Nanoscale Iron-Manganese Binary Oxide for As(III) Removal in Synthesized Groundwater. <i>Applied Mechanics and Materials</i> , 0, 319, 209-212. | 0.2 | 1 |
| 2050 | Distribution of Microbial Arsenic Reduction, Oxidation and Extrusion Genes along a Wide Range of Environmental Arsenic Concentrations. <i>PLoS ONE</i> , 2013, 8, e78890. | 1.1 | 97 |
| 2051 | The treatment of trace As(III) from water by modified spent grains. <i>Desalination and Water Treatment</i> , 0, , 1-6. | 1.0 | 0 |
| 2052 | Arsenic present in the soil-wine chain in vineyards situated in an old mining area in Trentino, Italy. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 773-779. | 2.2 | 17 |
| 2053 | Adsorption Behaviors of Arsenic(V) onto Fe-Based Backwashing Sludge Produced from Fe(II)-Removal Plants. <i>Applied Mechanics and Materials</i> , 2013, 295-298, 1321-1326. | 0.2 | 4 |
| 2054 | Arsenic in foods: current issues related to analysis, toxicity and metabolism. , 2013, , 414-429. | | 0 |
| 2055 | Arsenic: from toxic compound to medical treatment. <i>Geosystem Engineering</i> , 2013, 16, 139-145. | 0.7 | 0 |
| 2056 | Arsenite and Arsenate Removal from Contaminated Groundwater by Nanoscale Iron-Manganese Binary Oxides: Column Studies. <i>Environmental Engineering Science</i> , 2013, 30, 689-696. | 0.8 | 13 |
| 2057 | Redox potential and pH behavior effect on arsenic removal from water in a constructed wetland mesocosm. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 1332-1339. | 1.3 | 9 |
| 2058 | Hyporheic Zone in Urban Streams: A Review and Opportunities for Enhancing Water Quality and Improving Aquatic Habitat by Active Management. <i>Environmental Engineering Science</i> , 2013, 30, 480-501. | 0.8 | 74 |
| 2059 | Inorganic arsenic exposure induces $E2F$ -dependent $G0/G1$ arrest via an increase in retinoblastoma family protein p130 in $B6$ cell lymphoma $A20$ cells. <i>Genes To Cells</i> , 2013, 18, 839-849. | 0.5 | 4 |
| 2060 | Arsenic Remediation Field Study Using a Sulfate Reduction and Zero-Valent Iron PRB . <i>Ground Water Monitoring and Remediation</i> , 2013, 33, 85-94. | 0.6 | 18 |
| 2061 | Impregnation of activated carbon by iron oxyhydroxide and its effect on arsenate removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1058-1066. | 1.6 | 21 |
| 2062 | Geochemical simulations to assess the fluorine origin in S ierra de G ador groundwater ($SE S$ pain). <i>Geofluids</i> , 2013, 13, 194-203. | 0.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2063 | Precipitation of alacranite (As_8S_9) by a novel $As(V)$ -respiring anaerobe strain $MPA-C_3$. Environmental Microbiology, 2013, 15, 2748-2760. | 1.8 | 10 |
| 2064 | Release of arsenic to deep groundwater in the Mekong Delta, Vietnam, linked to pumping-induced land subsidence. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13751-13756. | 3.3 | 202 |
| 2065 | Amending Soils With Phosphate As Means To Mitigate Soil Lead Hazard: A Critical Review Of The State Of The Science. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2013, 16, 337-380. | 2.9 | 120 |
| 2066 | Role of NZVI, Metal oxide and carbon nanotube for ground water cleanup and their comparison- An overview. , 2013, , . | | 0 |
| 2067 | Study on adsorption/desorption of As by mine sludge depending on pH and natural organic matter. Geosystem Engineering, 2013, 16, 191-199. | 0.7 | 4 |
| 2068 | Evaluation of nitrate and trace elements concentration in drinking water: Bottled, tap and well. Chinese Journal of Population Resources and Environment, 2013, 11, 142-148. | 1.5 | 4 |
| 2069 | Arsenic Bioremediation by Biogenic Iron Oxides and Sulfides. Applied and Environmental Microbiology, 2013, 79, 4325-4335. | 1.4 | 99 |
| 2070 | Green tea extract alleviates arsenic-induced biochemical toxicity and lipid peroxidation in rats. Toxicology and Industrial Health, 2013, 29, 349-359. | 0.6 | 28 |
| 2071 | Manganese and Arsenic Oxidation Performance of Bacterium-Yunotaki 86 (BY86) from Hokkaido, Japan, and the Bacterium's Phylogeny. Geomicrobiology Journal, 2013, 30, 559-565. | 1.0 | 4 |
| 2072 | Speciation and Distribution of Arsenic in the Nonhyperaccumulator Macrophyte <i>Ceratophyllum demersum</i> . Plant Physiology, 2013, 163, 1396-1408. | 2.3 | 52 |
| 2073 | Extreme events and environmental changes: Tracing sedimentary processes in Central Vietnam coastal lagoons. Chemistry and Ecology, 2013, 29, 166-180. | 0.6 | 4 |
| 2074 | Molybdenum Blue Spectrophotometry for Trace Arsenic in Ground Water Using a Soluble Membrane Filter and Calcium Carbonate Column. Analytical Sciences, 2013, 29, 67-72. | 0.8 | 26 |
| 2075 | Are existing drinking water sources safe from As contamination in Hanam province, Vietnam?. Geochemical Journal, 2013, 47, 363-368. | 0.5 | 2 |
| 2076 | Sequential chemical extraction of arsenic and related elements from the Holocene sediments of Sonargaon, Bangladesh, in relation to formation of arsenic-contaminated groundwater. Geochemical Journal, 2013, 47, 651-661. | 0.5 | 4 |
| 2077 | Arsenic removal from groundwater through iron oxyhydroxide coated waste products. Journal of Environmental Engineering and Science, 2013, 8, 223-230. | 0.3 | 2 |
| 2078 | Dependence of Arsenic Fate and Transport on Biogeochemical Heterogeneity Arising from the Physical Structure of Soils and Sediments. Journal of Environmental Quality, 2013, 42, 1119-1129. | 1.0 | 14 |
| 2079 | Speciation and Determination of Tellurium in Water, Soil, Sediment and other Environmental Samples. , 2013, , 535-552. | | 0 |
| 2080 | Speciation of As in calcite by micro-XAFS: Implications for remediation of As contamination in groundwater. Journal of Physics: Conference Series, 2013, 430, 012099. | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2081 | Global Context of Arsenic Contamination in Groundwater Aquifers. Community, Environment and Disaster Risk Management, 2013, , 23-49. | 0.1 | 0 |
| 2082 | Estimation of Se(VI)/Se(IV) ratio in water by the ratio recorded in barite. Geochemistry, Geophysics, Geosystems, 2013, 14, 4826-4834. | 1.0 | 10 |
| 2083 | Arsenate Adsorption by Unsaturated Alluvial Sediments. Soil Science Society of America Journal, 2013, 77, 782-791. | 1.2 | 10 |
| 2084 | Arsenic Removal from Mine Tailings for Recycling via Flotation. Materials Transactions, 2013, 54, 2291-2296. | 0.4 | 18 |
| 2085 | Avaliação de risco à saúde humana por contaminação natural de arsênio nas águas subterrâneas e nos solos da área urbana de Ouro Preto (MG). Geologia USP - Serie Científica, 2013, 13, 145-158. | 0.1 | 3 |
| 2086 | Arsenic in Groundwater: A Summary of Sources and the Biogeochemical and Hydrogeologic Factors Affecting Arsenic Occurrence and Mobility. , 0, , . | | 10 |
| 2087 | Teores de arsênio e cádmio em solos do bioma cerrado. Revista Brasileira De Ciencia Do Solo, 2013, 37, 281-286. | 0.5 | 10 |
| 2088 | Arsenic Mobility and Speciation in a Gleysol with Petrogleyic Properties: A Field and Laboratory Approach. Journal of Environmental Quality, 2013, 42, 1130-1141. | 1.0 | 23 |
| 2089 | Teor de arsênio e adsorção competitiva arsênio/fosfato e arsênio/sulfato em solos de Minas Gerais, Brasil. Ciencia Rural, 2013, 43, 985-991. | 0.3 | 5 |
| 2090 | Arsenic Removal from Flowing Irrigation Water in Bangladesh: Impacts of Channel Properties. Journal of Environmental Quality, 2013, 42, 1733-1742. | 1.0 | 4 |
| 2091 | Distribution of Arsenic with Iron, Manganese and Copper in Borehole Sediments of the River Tista and Jamuna. Dhaka University Journal of Science, 2013, 61, 207-210. | 0.1 | 3 |
| 2092 | Influence of Pond Seepage on Groundwater Pollution by Arsenic in Hanoi, Viet Nam. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2013, 69, III_17-III_28. | 0.1 | 3 |
| 2093 | First Comparative Transcriptomic Analysis of Wild Adult Male and Female Lutzomyia longipalpis, Vector of Visceral Leishmaniasis. PLoS ONE, 2013, 8, e58645. | 1.1 | 17 |
| 2094 | Integrated Metagenomic and Physiochemical Analyses to Evaluate the Potential Role of Microbes in the Sand Filter of a Drinking Water Treatment System. PLoS ONE, 2013, 8, e61011. | 1.1 | 64 |
| 2095 | Trophic Transfer of Arsenic from an Aquatic Insect to Terrestrial Insect Predators. PLoS ONE, 2013, 8, e67817. | 1.1 | 32 |
| 2096 | Differences in Urinary Arsenic Metabolites between Diabetic and Non-Diabetic Subjects in Bangladesh. International Journal of Environmental Research and Public Health, 2013, 10, 1006-1019. | 1.2 | 52 |
| 2097 | Environmental Geochemistry of Potentially Toxic elements in thermal springs in the Sabalan Volcanic Field, NW Iran. E3S Web of Conferences, 2013, 1, 32003. | 0.2 | 2 |
| 2098 | Using community economics to compare arsenic compliance and noncompliance. Journal - American Water Works Association, 2013, 105, E115. | 0.2 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2099 | Metagenomic Approach Reveals Variation of Microbes with Arsenic and Antimony Metabolism Genes from Highly Contaminated Soil. PLoS ONE, 2014, 9, e108185. | 1.1 | 75 |
| 2100 | Mapping of Arsenic Pollution in Burkina Faso Using a New Field Measurement Technique. , 2014, , . | | 0 |
| 2101 | Arsenic Contamination of Groundwater: A Review of Sources, Prevalence, Health Risks, and Strategies for Mitigation. Scientific World Journal, The, 2014, 2014, 1-18. | 0.8 | 400 |
| 2102 | Biotechnological Applications Derived from Microorganisms of the Atacama Desert. BioMed Research International, 2014, 2014, 1-7. | 0.9 | 22 |
| 2103 | The Solid Phase Distribution and Bioaccessibility of Arsenic, Chromium, and Nickel in Natural Ironstone Soils in the UK. Applied and Environmental Soil Science, 2014, 2014, 1-12. | 0.8 | 10 |
| 2104 | Assessment of heavy metal residues in Brazilian poultry and swine tissue. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2014, 66, 471-480. | 0.1 | 5 |
| 2105 | Arsenic mobility and toxicity in South and South-east Asia â€“ a review on biogeochemistry, health and socio-economic effects, remediation and risk predictions. Environmental Chemistry, 2014, 11, 483. | 0.7 | 34 |
| 2106 | Basement and alluvial aquifers of Malawi: An overview of groundwater quality and policies. African Journal of Environmental Science and Technology, 2014, 8, 190-202. | 0.2 | 27 |
| 2107 | Effect of Humic Acid on As Redox Transformation and Kinetic Adsorption onto Iron Oxide Based Adsorbent (IBA). International Journal of Environmental Research and Public Health, 2014, 11, 10710-10736. | 1.2 | 17 |
| 2108 | Arsenic, Fluoride, and Vanadium in surface water (ChasicÃ³ Lake, Argentina). Frontiers in Environmental Science, 2014, 2, . | 1.5 | 17 |
| 2109 | Arsenic contamination in shallow groundwater and agricultural soil of Chakdaha block, West Bengal, India. Frontiers in Environmental Science, 2014, 2, . | 1.5 | 47 |
| 2110 | Surface-complexation modelling for describing adsorption of phosphate on hydrous ferric oxide surface. Water S A, 2014, 41, 157. | 0.2 | 10 |
| 2111 | Oxidative Adsorption of As(III) with Mixture of Al^{3+} and MnO_2 . Kagaku Kogaku Ronbunshu, 2014, 40, 250-254. | 0.1 | 2 |
| 2112 | Identifying sources and controlling factors of arsenic release in saline groundwater aquifers. Hydrology and Earth System Sciences, 2014, 18, 1089-1103. | 1.9 | 6 |
| 2113 | Effect of Arsenic (NaAsO_2) on the Histological Change of Snakehead Fish, <i>Channa punctata</i> . Journal of Life and Earth Science, 0, 7, 67-70. | 0.0 | 2 |
| 2114 | Safety of Gardening on Lead- and Arsenic-Contaminated Urban Brownfields. Journal of Environmental Quality, 2014, 43, 2064-2078. | 1.0 | 59 |
| 2115 | Effects of Thiosulfate on the Adsorption of Arsenate on Hematite With a View to Phytoextraction. Research Journal of Environmental and Earth Sciences, 2014, 6, 326-332. | 0.1 | 3 |
| 2116 | The effect of surface lithology on arsenic and other heavy metals in surface water and groundwater in Mustang Valley, Nepal Himalaya. Journal of Nepal Geological Society, 2014, 47, 1-21. | 0.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2118 | Impact of sedimentary provenance and weathering on arsenic distribution in aquifers of the Datong basin, China: Constraints from elemental geochemistry. <i>Journal of Hydrology</i> , 2014, 519, 3541-3549. | 2.3 | 36 |
| 2119 | Mobilisation of arsenic from bauxite residue (red mud) affected soils: Effect of pH and redox conditions. <i>Applied Geochemistry</i> , 2014, 51, 268-277. | 1.4 | 50 |
| 2120 | Phosphate interference during in situ treatment for arsenic in groundwater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 671-678. | 0.9 | 8 |
| 2121 | The Role of Heavy Metal Pollution in Neurobehavioral Disorders: a Focus on Autism. <i>Review Journal of Autism and Developmental Disorders</i> , 2014, 1, 354-372. | 2.2 | 77 |
| 2122 | Determination of Adsorption Characteristics of Metal Oxide Nanomaterials: Application as Adsorbents. <i>Analytical Letters</i> , 2014, 47, 871-884. | 1.0 | 16 |
| 2123 | Phytoremediation of Arsenic by <i>Trapa natans</i> in a Hydroponic System. <i>Water Environment Research</i> , 2014, 86, 422-432. | 1.3 | 7 |
| 2124 | Adsorption/Oxidation of Arsenic in Groundwater by Nanoscale Fe-Mn Binary Oxides Loaded on Zeolite. <i>Water Environment Research</i> , 2014, 86, 147-155. | 1.3 | 53 |
| 2125 | Biologically Induced Mobilization of Arsenic Adsorbed onto Amorphous Ferric Oxyhydroxides in Aqueous Solution During Fungal Cultivation. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 1.1 | 14 |
| 2126 | Transformation of natural ferrihydrite aged in situ in As, Cr and Cu contaminated soil studied by reduction kinetics. <i>Applied Geochemistry</i> , 2014, 51, 293-302. | 1.4 | 27 |
| 2127 | Adsorption and heterogeneous oxidation of arsenite on modified granular natural siderite: Characterization and behaviors. <i>Applied Geochemistry</i> , 2014, 48, 184-192. | 1.4 | 31 |
| 2128 | Removal of arsenic compounds from natural waters using a hybrid system (photocatalysis-reverse) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 | 0.2 | 1 |
| 2129 | Reactive Transport Modeling of Thermal Column Experiments to Investigate the Impacts of Aquifer Thermal Energy Storage on Groundwater Quality. <i>Environmental Science & Technology</i> , 2014, 48, 12099-12107. | 4.6 | 35 |
| 2130 | Dispersion of FeOOH on Chitosan Matrix for Simultaneous Removal of As(III) and As(V) from Drinking Water. <i>Separation Science and Technology</i> , 2014, 49, 2863-2877. | 1.3 | 17 |
| 2131 | Polymorphisms in DNA repair genes XRCC1 and XRCC3, occupational exposure to arsenic and sunlight, and the risk of non-melanoma skin cancer in a European case-control study. <i>Environmental Research</i> , 2014, 134, 382-389. | 3.7 | 11 |
| 2132 | The Recent Advances and Applications of Arsenic Speciation in Water. <i>Advanced Materials Research</i> , 0, 955-959, 1384-1392. | 0.3 | 1 |
| 2133 | Effect of biogeochemical redox processes on the fate and transport of As and U at an abandoned uranium mine site: an X-ray absorption spectroscopy study. <i>Environmental Chemistry</i> , 2014, 11, 18. | 0.7 | 11 |
| 2134 | Pollution Status of Pakistan: A Retrospective Review on Heavy Metal Contamination of Water, Soil, and Vegetables. <i>BioMed Research International</i> , 2014, 2014, 1-29. | 0.9 | 212 |
| 2135 | Overestimation of geogenic arsenic in landfill leachate: interference of humic and phosphinic acid in a commercial test kit. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 1499-1511. | 1.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2137 | The influence of human settlement on the distribution and diversity of iron-oxidizing bacteria belonging to the Gallionellaceae in tropical streams. <i>Frontiers in Microbiology</i> , 2014, 5, 630. | 1.5 | 13 |
| 2138 | Dissolution and Solubility of the $\text{Fe}(\text{OH})_3$ Solid Solution in Aqueous Solution at 25°C and pH 2. <i>Journal of Chemistry</i> , 2014, 2014, 1-11. | 0.9 | 0 |
| 2139 | Complexation and precipitation reactions in the ternary As(V)-Fe(III)-OM (organic matter) system. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 145, 297-314. | 1.6 | 39 |
| 2140 | Application of Metal Oxide Heterostructures in Arsenic Removal from Contaminated Water. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-10. | 1.5 | 15 |
| 2141 | The fate of arsenic in contaminated paddy soil with gypsum and ferrihydrite amendments. <i>International Journal of Environment and Pollution</i> , 2014, 56, 48. | 0.2 | 4 |
| 2142 | In situ oxalic acid injection to accelerate arsenic remediation at a superfund site in New Jersey. <i>Environmental Chemistry</i> , 2014, 11, 525. | 0.7 | 10 |
| 2143 | Deciphering and predicting spatial and temporal concentrations of arsenic within the Mekong Delta aquifer. <i>Environmental Chemistry</i> , 2014, 11, 579. | 0.7 | 27 |
| 2144 | Improved groundwater geogenic arsenic hazard map for Cambodia. <i>Environmental Chemistry</i> , 2014, 11, 595. | 0.7 | 24 |
| 2145 | Arsenic speciation in danburite ($\text{Ca}_2\text{Si}_2\text{O}_8$): a synchrotron XAS and single-crystal EPR study. <i>European Journal of Mineralogy</i> , 2014, 26, 113-125. | 0.4 | 3 |
| 2146 | Arsenic mobility in the arsenic-contaminated Yangzonghai Lake in China. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 321-327. | 2.9 | 25 |
| 2147 | Experimental and model studies on comparison of As(III and V) removal from synthetic acid mine drainage by bone char. <i>Mineralogical Magazine</i> , 2014, 78, 73-89. | 0.6 | 12 |
| 2148 | Selection of a Multidrug Resistance Plasmid by Sublethal Levels of Antibiotics and Heavy Metals. <i>MBio</i> , 2014, 5, e01918-14. | 1.8 | 451 |
| 2149 | $\delta^{34}\text{S}$ and $\delta^{18}\text{O}$ of dissolved sulfate as biotic tracer of biogeochemical influences on arsenic mobilization in groundwater in the Hetao Plain, Inner Mongolia, China. <i>Ecotoxicology</i> , 2014, 23, 1958-1968. | 1.1 | 6 |
| 2150 | Simultaneous Removal of Fluoride and Arsenic from Aqueous Solution using Activated Red Mud. <i>Separation Science and Technology</i> , 2014, 49, 2412-2425. | 1.3 | 28 |
| 2151 | Effect of calcium on adsorptive removal of As(III) and As(V) by iron oxide-based adsorbents. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 3153-3164. | 1.2 | 11 |
| 2152 | Low-cost field test kits for arsenic detection in water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 108-115. | 0.9 | 26 |
| 2153 | Molecular Recognition and Scavenging of Arsenate from Aqueous Solution Using Dimetallic Receptors. <i>Chemistry - A European Journal</i> , 2014, 20, 17168-17177. | 1.7 | 18 |
| 2154 | Magnetic BaFe_2O_9 nanofiber filter for effective separation of Fe_3O_4 nanoparticles and removal of arsenic. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1. | 0.8 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2155 | Hydrogeochemical contrasts between low and high arsenic groundwater and its implications for arsenic mobilization in shallow aquifers of the northern Yinchuan Basin, P.R. China. <i>Journal of Hydrology</i> , 2014, 518, 464-476. | 2.3 | 61 |
| 2156 | Interpretation of X-ray Absorption Spectra of As(III) in Solution Using Monte Carlo Simulations. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10967-10973. | 1.1 | 6 |
| 2157 | Screening of As-Accumulating Plants Using a Foliar Application and A Native Accumulation of As. <i>International Journal of Phytoremediation</i> , 2014, 16, 257-266. | 1.7 | 6 |
| 2158 | Influence of parent material and soil use on arsenic forms in soils: A case study in the AmbliÃ©s Valley (Castilla-LeÃ³n, Spain). <i>Journal of Geochemical Exploration</i> , 2014, 147, 260-267. | 1.5 | 18 |
| 2159 | Bacterial Diversity and Community Structure in High Arsenic Aquifers in Hetao Plain of Inner Mongolia, China. <i>Geomicrobiology Journal</i> , 2014, 31, 338-349. | 1.0 | 12 |
| 2160 | Fractureâ€focused fluid flow in an acid and redoxâ€influenced system: diagenetic controls on cement mineralogy and geomorphology in the <sc>N</sc>avajo <sc>S</sc>andstone. <i>Geofluids</i> , 2014, 14, 251-265. | 0.3 | 4 |
| 2161 | Silicate Minerals as a Source of Arsenic Contamination in Groundwater. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 1.1 | 26 |
| 2162 | Arsenite Oxidation-Enhanced Photocatalytic Degradation of Phenolic Pollutants on Platinized TiO₂. <i>Environmental Science & Technology</i> , 2014, 48, 13384-13391. | 4.6 | 49 |
| 2163 | Wool graft polyacrylamidoxime as the adsorbent for both cationic and anionic toxic ions from aqueous solutions. <i>RSC Advances</i> , 2014, 4, 60609-60616. | 1.7 | 21 |
| 2164 | Toxic Elements in Food: Occurrence, Binding, and Reduction Approaches. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2014, 13, 457-472. | 5.9 | 132 |
| 2165 | Tolerance to individual and joint effects of arsenic and <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> or <i>Lysinibacillus sphaericus</i> in <i>Culex</i> mosquitoes. <i>Insect Science</i> , 2014, 21, 477-485. | 1.5 | 3 |
| 2166 | Arsenic Mobility during Flooding of Contaminated Soil: The Effect of Microbial Sulfate Reduction. <i>Environmental Science & Technology</i> , 2014, 48, 13660-13667. | 4.6 | 173 |
| 2167 | A potentially low-cost modified sawdust (MSD) effective for rapid Cr(<sc>vi</sc>) and As(<sc>v</sc>) removal from water. <i>RSC Advances</i> , 2014, 4, 49569-49576. | 1.7 | 17 |
| 2168 | Evaluation of fresh and stored rainwater quality in fluoride and arsenic endemic area of Thar Desert, Pakistan. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 8611-8628. | 1.3 | 14 |
| 2169 | Impact of human activity and natural processes on groundwater arsenic in an urbanized area (South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 21, 13043-13054. | 2.7 | 33 |
| 2170 | Consumption of low-moderate level arsenic contaminated water does not increase spontaneous pregnancy loss: a case control study. <i>Environmental Health</i> , 2014, 13, 81. | 1.7 | 19 |
| 2171 | Arsenate and Dichromate Removal Efficiency of a New Calix[4]arene Impregnated Resin. <i>Polycyclic Aromatic Compounds</i> , 2014, 34, 280-308. | 1.4 | 5 |
| 2172 | Particle Size Fraction and Arsenic Partitioning in Tailings and Sediments in Lianhuashan Tungsten Mine, Southern China. <i>Applied Mechanics and Materials</i> , 0, 522-524, 365-369. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2173 | Effects of Arsenic on Osteoblast Differentiation <i>in Vitro</i> and on Bone Mineral Density and Microstructure in Rats. <i>Environmental Health Perspectives</i> , 2014, 122, 559-565. | 2.8 | 36 |
| 2174 | Effects of Salinity of Porewater on Arsenic Speciations in Sediments of Bosten Lake in Xinjiang, Northwest China. <i>Advanced Materials Research</i> , 0, 955-959, 450-454. | 0.3 | 1 |
| 2175 | Arsenate partitioning from ferrihydrite to hematite: Spectroscopic evidence. <i>American Mineralogist</i> , 2014, 99, 749-754. | 0.9 | 39 |
| 2176 | Arsenic Adsorption onto Minerals: Connecting Experimental Observations with Density Functional Theory Calculations. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 208-240. | 0.8 | 58 |
| 2177 | The Influence of Dosing Modes of Coagulate on Arsenic Removal. <i>Journal of Chemistry</i> , 2014, 2014, 1-7. | 0.9 | 0 |
| 2178 | Metal and Metalloid Cycles. , 2014, , 531-545. | | 1 |
| 2179 | Synchrotron X-ray absorption spectroscopy analysis of arsenic chemical speciation in human nail clippings. <i>Environmental Chemistry</i> , 2014, 11, 632. | 0.7 | 9 |
| 2180 | Applications of Remote Sensing, Geographic Information System and Geostatistics in the Study of Arsenic Contamination in Groundwater. , 2014, , 197-212. | | 0 |
| 2181 | Harmful Elements in Estuarine and Coastal Systems. , 2014, , 37-83. | | 11 |
| 2182 | Toxicity, mechanism and health effects of some heavy metals. <i>Interdisciplinary Toxicology</i> , 2014, 7, 60-72. | 1.0 | 3,692 |
| 2183 | Non-melanoma skin cancer: occupational risk from UV light and arsenic exposure. <i>Reviews on Environmental Health</i> , 2014, 29, 255-64. | 1.1 | 43 |
| 2184 | Arsenic Distribution Pattern in Different Sources of Drinking Water and their Geological Background in Guanzhong Basin, Shaanxi, China. <i>Acta Geologica Sinica</i> , 2014, 88, 984-994. | 0.8 | 15 |
| 2185 | A review on sources, toxicity and remediation technologies for removing arsenic from drinking water. <i>Research on Chemical Intermediates</i> , 2014, 40, 447-485. | 1.3 | 189 |
| 2186 | Techno-economic analysis of small scale biogas based polygeneration systems: Bangladesh case study. <i>Sustainable Energy Technologies and Assessments</i> , 2014, 7, 68-78. | 1.7 | 67 |
| 2187 | Pathways of arsenic from sediments to groundwater in the hyporheic zone: Evidence from an iron isotope study. <i>Journal of Hydrology</i> , 2014, 511, 509-517. | 2.3 | 29 |
| 2188 | Localization and speciation of arsenic in <i>Glomus</i> intraradices by synchrotron radiation spectroscopic analysis. <i>Fungal Biology</i> , 2014, 118, 444-452. | 1.1 | 30 |
| 2189 | Identifying sources of B and As contamination in surface water and groundwater downstream of the Larderello geothermal " industrial area (Tuscany" Central Italy). <i>Journal of Hydrology</i> , 2014, 509, 66-82. | 2.3 | 14 |
| 2190 | Behavior of arsenic in the coastal area of the Changjiang (Yangtze River) Estuary: Influences of water mass mixing, the spring bloom and hypoxia. <i>Continental Shelf Research</i> , 2014, 80, 67-78. | 0.9 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 2191 | Abiotic and biotic factors influencing the mobility of arsenic in groundwater of a through-flow island in the Okavango Delta, Botswana. <i>Journal of Hydrology</i> , 2014, 518, 326-341. | 2.3 | 49 |
| 2192 | The role of rainwater-borne hydrogen peroxide in the release of arsenic from arsenopyrite. <i>Chemosphere</i> , 2014, 103, 349-353. | 4.2 | 11 |
| 2193 | An EXAFS study on the adsorption structure of phenyl-substituted organoarsenic compounds on ferrihydrite. <i>Journal of Colloid and Interface Science</i> , 2014, 415, 13-17. | 5.0 | 18 |
| 2194 | Kinetics of competitive adsorption/desorption of arsenate and phosphate at the ferrihydrite-water interface. <i>Chemical Geology</i> , 2014, 368, 31-38. | 1.4 | 70 |
| 2195 | Biological toxicity of groundwater in a seashore area: Causal analysis and its spatial pollutant pattern. <i>Chemosphere</i> , 2014, 100, 8-15. | 4.2 | 11 |
| 2196 | Land use and water quality in a rural cloud forest region (Intag, Ecuador). <i>River Research and Applications</i> , 2014, 30, 385-401. | 0.7 | 13 |
| 2197 | Water Treatment by Adsorption Columns: Evaluation at Ground Level. <i>Separation and Purification Reviews</i> , 2014, 43, 175-205. | 2.8 | 276 |
| 2198 | Applying Health Risk Analysis to Assess the Chemical Quality of Water for Recreational Bathing: The Case of Tres Arroyos Creek, Buenos Aires, Argentina. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 45-68. | 1.7 | 7 |
| 2199 | Asymmetric flow-field flow fractionation-multidetector coupling for assessing colloidal copper in drain waters from a Bordeaux wine-growing area. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1111-1119. | 1.9 | 4 |
| 2200 | Geogenic arsenic in groundwaters in the western Alps. <i>Journal of Hydrology</i> , 2014, 518, 317-325. | 2.3 | 18 |
| 2201 | Effects of soil type and fertilizer on As speciation in rice paddy contaminated with As-containing pesticide. <i>Environmental Earth Sciences</i> , 2014, 71, 837-847. | 1.3 | 20 |
| 2202 | Provenance and fate of arsenic and other solutes in the Chaco-Pampean Plain of the Andean foreland, Argentina: From perspectives of hydrogeochemical modeling and regional tectonic setting. <i>Journal of Hydrology</i> , 2014, 518, 300-316. | 2.3 | 45 |
| 2203 | Soil geochemistry and groundwater contamination in an arsenic-affected area of the Datong Basin, China. <i>Environmental Earth Sciences</i> , 2014, 71, 3455-3464. | 1.3 | 3 |
| 2204 | Fundamental water and salt transport properties of polymeric materials. <i>Progress in Polymer Science</i> , 2014, 39, 1-42. | 11.8 | 597 |
| 2205 | The removal of arsenate from water using iron-modified diatomite (D-Fe): isotherm and column experiments. <i>Environmental Science and Pollution Research</i> , 2014, 21, 495-506. | 2.7 | 13 |
| 2206 | Arsenic Species Uptake and Subcellular Distribution in <i>Vallisneria spiralis</i> (Lour.) Hara as Influenced by Aquatic pH. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 478-482. | 1.3 | 13 |
| 2207 | Application of a Two-Site Ideal Model for the Prediction of As-SO ₄ -Cl Ion Exchange Equilibria. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 1.1 | 2 |
| 2208 | Batch and Fixed-Bed Column Studies of Arsenic Adsorption on the Natural and Modified Clinoptilolite. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 1.1 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2209 | Bioaccumulation and toxicity of arsenic in cyanobacteria cultures separated from a eutrophic reservoir. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 805-814. | 1.3 | 22 |
| 2210 | Function of a deltaic silt deposit as a repository and long-term source of sulfate and related weathering products in a glaciofluvial aquifer derived from organic-rich shale (North Dakota, USA). <i>Hydrogeology Journal</i> , 2014, 22, 565-585. | 0.9 | 1 |
| 2211 | The potential impact of geological environment on health status of residents of the Slovak Republic. <i>Environmental Geochemistry and Health</i> , 2014, 36, 543-561. | 1.8 | 16 |
| 2212 | Arsenic Removal by Adsorptive Flotation Methods. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1567-1572. | 0.7 | 13 |
| 2213 | Fluoride and arsenic exposure through water and grain crops in Nagarparkar, Pakistan. <i>Chemosphere</i> , 2014, 100, 182-189. | 4.2 | 77 |
| 2214 | Arsenate adsorption on waste eggshell modified by goethite, γ - FeOOH and goethite/ γ - FeOOH . <i>Chemical Engineering Journal</i> , 2014, 237, 430-442. | 6.6 | 75 |
| 2215 | Arsenic concentration variability, health risk assessment, and source identification using multivariate analysis in selected villages of public water system, Lahore, Pakistan. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 1241-1251. | 1.3 | 62 |
| 2216 | Impact of Microorganisms on Arsenic Biogeochemistry: A Review. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 1.1 | 106 |
| 2217 | Fabrication of a solid-state ion selective electrode based on polypyrrole conducting polymer for As (V) ion. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 304-317. | 1.8 | 4 |
| 2218 | Arsenic speciation in sinter mineralization from a hydrothermal channel of El Tatio geothermal field, Chile. <i>Journal of Hydrology</i> , 2014, 518, 434-446. | 2.3 | 21 |
| 2219 | Biomass sorbents for metalloid removal. <i>Adsorption</i> , 2014, 20, 275-286. | 1.4 | 6 |
| 2220 | Behavior and mechanism of arsenate adsorption on activated natural siderite: evidences from FTIR and XANES analysis. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1944-1953. | 2.7 | 41 |
| 2221 | Geochemical modeling of arsenic release from a deep natural solid matrix under alternated redox conditions. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1628-1637. | 2.7 | 10 |
| 2222 | Comparison of polyamide nanofiltration and low-pressure reverse osmosis membranes on As(III) rejection under various operational conditions. <i>Desalination</i> , 2014, 334, 10-16. | 4.0 | 64 |
| 2223 | Removal of As(III) and As(V) from aqueous solutions using nanoscale zero valent iron-reduced graphite oxide modified composites. <i>Journal of Hazardous Materials</i> , 2014, 268, 124-131. | 6.5 | 339 |
| 2224 | Heavy metal contamination and ecological risk assessments in the sediments and zoobenthos of selected mangrove ecosystems, South China. <i>Catena</i> , 2014, 119, 136-142. | 2.2 | 72 |
| 2225 | Leaching of boron, arsenic and selenium from sedimentary rocks: I. Effects of contact time, mixing speed and liquid-to-solid ratio. <i>Science of the Total Environment</i> , 2014, 472, 620-629. | 3.9 | 74 |
| 2226 | Enhanced arsenic removal at neutral pH using functionalized multiwalled carbon nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 802-810. | 3.3 | 35 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2227 | Geochemical Evaluation of Arsenic and Manganese in Shallow Groundwater and Core Sediment in Singair Upazila, Central Bangladesh. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 5585-5601. | 1.1 | 17 |
| 2228 | The geochemical signature of rare-metal pegmatites in the Central Africa Region: Soils, plants, water and stream sediments in the Gatumba tin-tantalum mining district, Rwanda. <i>Journal of Geochemical Exploration</i> , 2014, 144, 539-551. | 1.5 | 11 |
| 2229 | Spatial variation of groundwater arsenic distribution in the Chianan Plain, SW Taiwan: Role of local hydrogeological factors and geothermal sources. <i>Journal of Hydrology</i> , 2014, 518, 393-409. | 2.3 | 29 |
| 2230 | Platinum-like Behavior of Reduced Graphene Oxide as a Cocatalyst on TiO ₂ for the Efficient Photocatalytic Oxidation of Arsenite. <i>Environmental Science and Technology Letters</i> , 2014, 1, 185-190. | 3.9 | 114 |
| 2231 | Effect of aging on arsenic and lead fractionation and availability in soils: Coupling sequential extractions with diffusive gradients in thin-films technique. <i>Journal of Hazardous Materials</i> , 2014, 273, 272-279. | 6.5 | 83 |
| 2232 | Arsenic and Selenium. , 2014, , 13-57. | | 42 |
| 2233 | Stripping Analysis of As(III) by Means of Screen-Printed Electrodes Modified with Gold Nanoparticles and Carbon Black Nanocomposite. <i>Electroanalysis</i> , 2014, 26, 931-939. | 1.5 | 76 |
| 2234 | Contaminant Geochemistry. , 2014, , . | | 16 |
| 2235 | Source and migration of dissolved manganese in the Central Nile Delta Aquifer, Egypt. <i>Journal of African Earth Sciences</i> , 2014, 96, 8-20. | 0.9 | 7 |
| 2236 | Hydrothermal carbonization synthesis of a novel montmorillonite supported carbon nanosphere adsorbent for removal of Cr (VI) from waste water. <i>Applied Clay Science</i> , 2014, 93-94, 48-55. | 2.6 | 59 |
| 2237 | Characterization of binary oxide photoactive material and its application for inorganic arsenic removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3658-3662. | 2.9 | 10 |
| 2238 | Removal and fate of arsenic in the rhizosphere of <i>Juncus effusus</i> treating artificial wastewater in laboratory-scale constructed wetlands. <i>Ecological Engineering</i> , 2014, 69, 93-105. | 1.6 | 30 |
| 2239 | Bioaccumulation and Translocation of Arsenic in the Ecosystem of the Guandu Wetland, Taiwan. <i>Wetlands</i> , 2014, 34, 129-140. | 0.7 | 39 |
| 2240 | Assessment of soil geochemistry around some selected agricultural sites of Sri Lanka. <i>Environmental Earth Sciences</i> , 2014, 71, 4097-4106. | 1.3 | 16 |
| 2241 | Geothermal spring causes arsenic contamination in river waters of the southern Tibetan Plateau, China. <i>Environmental Earth Sciences</i> , 2014, 71, 4143-4148. | 1.3 | 45 |
| 2242 | Geological factors controlling occurrence and distribution of arsenic in groundwaters from the southern margin of the Duero Basin, Spain. <i>Environmental Geochemistry and Health</i> , 2014, 36, 1029-1047. | 1.8 | 16 |
| 2244 | High-Content, Well-Dispersed Fe ₂ O ₃ Nanoparticles Encapsulated in Macroporous Silica with Superior Arsenic Removal Performance. <i>Advanced Functional Materials</i> , 2014, 24, 1354-1363. | 7.8 | 118 |
| 2245 | Epigenome-wide DNA methylation changes with development of arsenic-induced skin lesions in Bangladesh: A case-control follow-up study. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 449-456. | 0.9 | 47 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2246 | Speciation analysis of arsenic in prenatal and children's dietary supplements using microwave-enhanced extraction and ion chromatography-inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 818, 23-31. | 2.6 | 34 |
| 2247 | A novel low-cost detection method for screening of arsenic in groundwater. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11682-11688. | 2.7 | 21 |
| 2248 | Effect of physico-chemical parameters on inorganic arsenic removal from aqueous solution using a forward osmosis membrane. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1309-1316. | 3.3 | 20 |
| 2249 | Enhanced arsenate removal by novel Fe-La composite (hydr)oxides synthesized via coprecipitation. <i>Chemical Engineering Journal</i> , 2014, 251, 69-79. | 6.6 | 77 |
| 2250 | Naturally dissolved arsenic concentrations in the Alpine/Mediterranean Var River watershed (France). <i>Science of the Total Environment</i> , 2014, 473-474, 422-436. | 3.9 | 31 |
| 2251 | Adsorption of arsenic by activated carbon, calcium alginate and their composite beads. <i>International Journal of Biological Macromolecules</i> , 2014, 68, 125-130. | 3.6 | 129 |
| 2252 | Arsenic in groundwater of the Paraíba do Sul delta, Brazil: An atmospheric source?. <i>Science of the Total Environment</i> , 2014, 482-483, 148-156. | 3.9 | 27 |
| 2253 | Urban soil geochemistry in Athens, Greece: The importance of local geology in controlling the distribution of potentially harmful trace elements. <i>Science of the Total Environment</i> , 2014, 482-483, 366-377. | 3.9 | 123 |
| 2254 | Are rice (<i>Oryza sativa</i> L.) phosphate transporters regulated similarly by phosphate and arsenate? A comprehensive study. <i>Plant Molecular Biology</i> , 2014, 85, 301-316. | 2.0 | 47 |
| 2255 | Arsenic removal from aqueous solution using pyrite. <i>Journal of Cleaner Production</i> , 2014, 84, 526-532. | 4.6 | 84 |
| 2256 | A new pore-scale model for linear and non-linear heterogeneous dissolution and precipitation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 109-130. | 1.6 | 79 |
| 2257 | Arsenic species in drinking water wells in the USA with high arsenic concentrations. <i>Water Research</i> , 2014, 48, 156-169. | 5.3 | 140 |
| 2258 | Differential arsenic binding in the sediments of two sites in Chile's lower Loa River basin. <i>Science of the Total Environment</i> , 2014, 466-467, 387-396. | 3.9 | 19 |
| 2259 | Arsenic speciation and bioaccessibility in arsenic-contaminated soils: Sequential extraction and mineralogical investigation. <i>Environmental Pollution</i> , 2014, 186, 29-35. | 3.7 | 158 |
| 2260 | Embryonic arsenic exposure reduces the number of muscle fibers in killifish (<i>Fundulus heteroclitus</i>). <i>Aquatic Toxicology</i> , 2014, 146, 196-204. | 1.9 | 13 |
| 2261 | Comparison of As sequestration in iron plaque and uptake by different genotypes of rice plants grown in As-contaminated paddy soils. <i>Plant and Soil</i> , 2014, 374, 411-422. | 1.8 | 52 |
| 2262 | Predicting arsenic concentration in groundwater of Bangladesh using Bayesian geostatistical model. <i>Environmental and Ecological Statistics</i> , 2014, 21, 583-597. | 1.9 | 6 |
| 2263 | Impact of humic/fulvic acid on the removal of heavy metals from aqueous solutions using nanomaterials: A review. <i>Science of the Total Environment</i> , 2014, 468-469, 1014-1027. | 3.9 | 605 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2264 | Equilibria, kinetics, and spectroscopic analyses on the uptake of aqueous arsenite by two-line ferrihydrite. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 251-261. | 1.2 | 17 |
| 2265 | Synthesis of ordered mesoporous iron manganese bimetal oxides for arsenic removal from aqueous solutions. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 235-244. | 2.2 | 91 |
| 2266 | Arsenic-Rich Acid Mine Water with Extreme Arsenic Concentration: Mineralogy, Geochemistry, Microbiology, and Environmental Implications. <i>Environmental Science & Technology</i> , 2014, 48, 13685-13693. | 4.6 | 49 |
| 2267 | Earth Abides Arsenic Biotransformations. <i>Annual Review of Earth and Planetary Sciences</i> , 2014, 42, 443-467. | 4.6 | 423 |
| 2268 | Attenuation of arsenic in a karst subterranean stream and correlation with geochemical factors: A case study at Lihu, South China. <i>Journal of Environmental Sciences</i> , 2014, 26, 2222-2230. | 3.2 | 21 |
| 2269 | Distribution and baseline values of trace elements in the sediment of Var River catchment, southeast France. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 8175-8189. | 1.3 | 6 |
| 2270 | Source and Characteristic of Fluorescence Humic Substances in Arsenic Polluted Groundwater of Bangladesh. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 770-773. | 0.8 | 3 |
| 2271 | Multivariate analysis of the heterogeneous geochemical processes controlling arsenic enrichment in a shallow groundwater system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 478-489. | 0.9 | 5 |
| 2272 | Hydrogeological investigation for assessment of the sustainability of low-arsenic aquifers as a safe drinking water source in regions with high-arsenic groundwater in Matlab, southeastern Bangladesh. <i>Journal of Hydrology</i> , 2014, 518, 373-392. | 2.3 | 28 |
| 2273 | Feasibility studies on arsenic removal from aqueous solutions by electro dialysis. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 545-554. | 0.9 | 21 |
| 2274 | The fate of arsenic in a river acidified by volcanic activity and an acid thermal water and sedimentation mechanism. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2325-2334. | 1.7 | 5 |
| 2275 | Size-controlled synthesis of uniform akaganeite nanorods and their encapsulation in alginate microbeads for arsenic removal. <i>RSC Advances</i> , 2014, 4, 21777-21781. | 1.7 | 15 |
| 2276 | Arsenite oxidation by a facultative chemolithoautotrophic <i>Sinorhizobium</i> sp. KGO-5 isolated from arsenic-contaminated soil. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1963-1970. | 0.6 | 12 |
| 2277 | Pb-Zn-Cd-As Pollution in Soils Affected by Mining Activities in Central and Southern Spain: A Scattered Legacy Posing Potential Environmental and Health Concerns. <i>Handbook of Environmental Chemistry</i> , 2014, , 175-205. | 0.2 | 2 |
| 2278 | Advanced Arsenic Removal Technologies Review. , 2014, , 285-337. | | 10 |
| 2279 | Comparative survey of bacterial and archaeal communities in high arsenic shallow aquifers using 454 pyrosequencing and traditional methods. <i>Ecotoxicology</i> , 2014, 23, 1878-1889. | 1.1 | 12 |
| 2280 | Advances in Anion Supramolecular Chemistry: From Recognition to Chemical Applications. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11716-11754. | 7.2 | 482 |
| 2281 | Association of inorganic arsenic exposure with liver cancer mortality: A meta-analysis. <i>Environmental Research</i> , 2014, 135, 120-125. | 3.7 | 99 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2282 | Impact of Birnessite on Arsenic and Iron Speciation during Microbial Reduction of Arsenic-Bearing Ferrihydrite. <i>Environmental Science & Technology</i> , 2014, 48, 11320-11329. | 4.6 | 69 |
| 2284 | Amino acid assisted templating synthesis of hierarchical zeolitic imidazolate framework-8 for efficient arsenate removal. <i>Nanoscale</i> , 2014, 6, 1105-1112. | 2.8 | 258 |
| 2285 | Temperature effects on arsenate adsorption onto goethite and its preliminary application to arsenate removal from simulative geothermal water. <i>RSC Advances</i> , 2014, 4, 51984-51990. | 1.7 | 16 |
| 2286 | Twenty years of global groundwater research: A Science Citation Index Expanded-based bibliometric survey (1993-2012). <i>Journal of Hydrology</i> , 2014, 519, 966-975. | 2.3 | 67 |
| 2287 | On-line electrokinetic extraction and electrochemical hydride generation coupled with atomic fluorescence spectrometry for inorganic arsenic speciation in water samples. <i>Analytical Methods</i> , 2014, 6, 1796. | 1.3 | 10 |
| 2288 | Iron and Arsenic Speciation and Distribution in Organic Floccs from Streambeds of an Arsenic-Enriched Peatland. <i>Environmental Science & Technology</i> , 2014, 48, 13218-13228. | 4.6 | 52 |
| 2289 | Ordered mesoporous MnO ₂ as a synergetic adsorbent for effective arsenic(III) removal. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2374. | 5.2 | 50 |
| 2290 | Investigation of Influencing Factors and Mechanism of Antimony and Arsenic Removal by Electrocoagulation Using Fe-Al Electrodes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 12911-12919. | 1.8 | 74 |
| 2291 | Electrochemically Induced Oxidative Precipitation of Fe(II) for As(III) Oxidation and Removal in Synthetic Groundwater. <i>Environmental Science & Technology</i> , 2014, 48, 5145-5153. | 4.6 | 55 |
| 2292 | Arsenic Species Formed from Arsenopyrite Weathering along a Contamination Gradient in Circumneutral River Floodplain Soils. <i>Environmental Science & Technology</i> , 2014, 48, 208-217. | 4.6 | 44 |
| 2293 | Electrochemical Production of Hydrogen Coupled with the Oxidation of Arsenite. <i>Environmental Science & Technology</i> , 2014, 48, 2059-2066. | 4.6 | 34 |
| 2294 | Detection of Arsenic(III) through Pulsed Laser-Induced Desorption/Ionization of Gold Nanoparticles on Cellulose Membranes. <i>Analytical Chemistry</i> , 2014, 86, 3167-3173. | 3.2 | 32 |
| 2295 | Arsenic fractionation and mineralogical characterization of sediments in the Cold Lake area of Alberta, Canada. <i>Science of the Total Environment</i> , 2014, 500-501, 181-190. | 3.9 | 10 |
| 2296 | The Geochemistry of Acid Mine Drainage. , 2014, , 131-190. | | 114 |
| 2297 | Fe(II)-Catalyzed Recrystallization of Goethite Revisited. <i>Environmental Science & Technology</i> , 2014, 48, 11302-11311. | 4.6 | 160 |
| 2298 | Studies of anions sorption on natural zeolites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 876-882. | 2.0 | 40 |
| 2299 | Baseline arsenic levels in marine and terrestrial resources from a pristine environment: Isabel Island, Solomon Islands. <i>Marine Pollution Bulletin</i> , 2014, 88, 354-360. | 2.3 | 14 |
| 2300 | Closer Look at As(III) and As(V) Adsorption onto Ferrihydrite under Competitive Conditions. <i>Langmuir</i> , 2014, 30, 11110-11116. | 1.6 | 40 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2301 | A different sequence of events than previously reported leads to arsenic-induced damage in <i>Ceratophyllum demersum</i> L.. <i>Metallomics</i> , 2014, 6, 444-454. | 1.0 | 38 |
| 2302 | Adsorption and removal of arsenic (V) using crystalline manganese (II,III) oxide: Kinetics, equilibrium, effect of pH and ionic strength. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1462-1473. | 0.9 | 21 |
| 2303 | Validation of NeutraSeal: A new lower energy cost mine water treatment process. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 2306-2311. | 3.3 | 0 |
| 2304 | Effect of Groundwater-Lake Interactions on Arsenic Enrichment in Freshwater Beach Aquifers. <i>Environmental Science & Technology</i> , 2014, 48, 10174-10181. | 4.6 | 26 |
| 2305 | Behavioural and physical effects of arsenic exposure in fish are aggravated by aquatic algae. <i>Aquatic Toxicology</i> , 2014, 156, 116-124. | 1.9 | 29 |
| 2306 | Water-extractable priority contaminants in LUFA 2.2 soil: back to basics, contextualisation and implications for use as natural standard soil. <i>Ecotoxicology</i> , 2014, 23, 1814-1822. | 1.1 | 7 |
| 2307 | Trace Elements in River Waters. , 2014, , 195-235. | | 147 |
| 2308 | Voltammetric detection of As(III) with Porphyridium cruentum based modified carbon paste electrode biosensor. <i>Biosensors and Bioelectronics</i> , 2014, 62, 242-248. | 5.3 | 25 |
| 2309 | Exposure to As(III) and As(V) changes the Ca ²⁺ -activation properties of the two major fibre types from the chelae of the freshwater crustacean <i>Cherax destructor</i> . <i>Aquatic Toxicology</i> , 2014, 155, 119-128. | 1.9 | 2 |
| 2310 | Removal of As(V) from simulated groundwater using forward osmosis: Effect of competing and coexisting solutes. <i>Desalination</i> , 2014, 348, 33-38. | 4.0 | 41 |
| 2311 | Soybean as affected by high concentrations of arsenic and fluoride in irrigation water in controlled conditions. <i>Agricultural Water Management</i> , 2014, 144, 134-139. | 2.4 | 43 |
| 2312 | Seasonal variations of arsenic at the sediment-water interface of Poyang Lake, China. <i>Applied Geochemistry</i> , 2014, 47, 170-176. | 1.4 | 23 |
| 2313 | <i>Trichoderma</i> spp. alleviate phytotoxicity in lettuce plants (<i>Lactuca sativa</i> L.) irrigated with arsenic-contaminated water. <i>Journal of Plant Physiology</i> , 2014, 171, 1378-1384. | 1.6 | 45 |
| 2314 | Fabrication of magnetic porous Fe-Mn binary oxide nanowires with superior capability for removal of As(III) from water. <i>Journal of Hazardous Materials</i> , 2014, 279, 26-31. | 6.5 | 58 |
| 2315 | Influence of calcination on magnetic honeycomb briquette cinders composite for the adsorptive removal of As(III) in fixed-bed column. <i>Chemical Engineering Journal</i> , 2014, 257, 1-9. | 6.6 | 13 |
| 2316 | Phytocapping: An Alternative Technology for the Sustainable Management of Landfill Sites. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 561-637. | 6.6 | 50 |
| 2317 | Geochemical processes controlling mobilization of arsenic and trace elements in shallow aquifers and surface waters in the Antequera and Poopó ³ mining regions, Bolivian Altiplano. <i>Journal of Hydrology</i> , 2014, 518, 421-433. | 2.3 | 34 |
| 2318 | Human health risk assessment with spatial analysis: Study of a population chronically exposed to arsenic through drinking water from Argentina. <i>Science of the Total Environment</i> , 2014, 499, 166-174. | 3.9 | 49 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2319 | Oxidation of Organosulfur-Coordinated Arsenic and Realgar in Peat: Implications for the Fate of Arsenic. <i>Environmental Science & Technology</i> , 2014, 48, 2281-2289. | 4.6 | 29 |
| 2320 | The novel regulations of MEF2A, CAMKK2, CALM3, and TNNI3 in ventricular hypertrophy induced by arsenic exposure in rats. <i>Toxicology</i> , 2014, 324, 123-135. | 2.0 | 27 |
| 2321 | Volatilization of Arsenic from Polluted Soil by <i>Pseudomonas putida</i> Engineered for Expression of the <i>arsM</i> Arsenic(III) S-Adenosine Methyltransferase Gene. <i>Environmental Science & Technology</i> , 2014, 48, 10337-10344. | 4.6 | 106 |
| 2322 | Respective Role of Fe and Mn Oxide Contents for Arsenic Sorption in Iron and Manganese Binary Oxide: An X-ray Absorption Spectroscopy Investigation. <i>Environmental Science & Technology</i> , 2014, 48, 10316-10322. | 4.6 | 200 |
| 2323 | A comprehensive evaluation of inorganic arsenic in food and considerations for dietary intake analyses. <i>Science of the Total Environment</i> , 2014, 496, 299-313. | 3.9 | 82 |
| 2324 | Geochemical controls on fluoride concentrations in groundwater from alluvial aquifers of the Birbhum district, West Bengal, India. <i>Journal of Geochemical Exploration</i> , 2014, 145, 190-206. | 1.5 | 82 |
| 2325 | Redox control on trace element geochemistry and provenance of groundwater in fractured basement of Blantyre, Malawi. <i>Journal of African Earth Sciences</i> , 2014, 100, 335-345. | 0.9 | 13 |
| 2326 | Coupled iron, sulfur and carbon isotope evidences for arsenic enrichment in groundwater. <i>Journal of Hydrology</i> , 2014, 519, 414-422. | 2.3 | 67 |
| 2327 | Arsenic fractionation and contamination assessment in sediments of thirteen lakes from the East Plain and Yungui Plateau Ecoregions, China. <i>Journal of Environmental Sciences</i> , 2014, 26, 1977-1984. | 3.2 | 20 |
| 2328 | Microbial Arsenic Metabolism and Reaction Energetics. <i>Reviews in Mineralogy and Geochemistry</i> , 2014, 79, 391-433. | 2.2 | 37 |
| 2329 | The Management of Arsenic in the Mining Industry. <i>Reviews in Mineralogy and Geochemistry</i> , 2014, 79, 507-532. | 2.2 | 18 |
| 2330 | Improved Diffusive Gradients in Thin Films (DGT) Measurement of Total Dissolved Inorganic Arsenic in Waters and Soils Using a Hydrous Zirconium Oxide Binding Layer. <i>Analytical Chemistry</i> , 2014, 86, 3060-3067. | 3.2 | 79 |
| 2331 | Effect of Weak Magnetic Field on Arsenate and Arsenite Removal from Water by Zerovalent Iron: An XAFS Investigation. <i>Environmental Science & Technology</i> , 2014, 48, 6850-6858. | 4.6 | 132 |
| 2332 | Synthesis of Alumina-Modified Cigarette Soot Carbon As an Adsorbent for Efficient Arsenate Removal. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16051-16060. | 1.8 | 40 |
| 2333 | Solid-phase characterisation of an effective household sand filter for As, Fe and Mn removal from groundwater in Vietnam. <i>Environmental Chemistry</i> , 2014, 11, 566. | 0.7 | 25 |
| 2334 | Arsenic and Chronic Kidney Disease: A Systematic Review. <i>Current Environmental Health Reports</i> , 2014, 1, 192-207. | 3.2 | 114 |
| 2335 | Arsenic in drinking water and urinary tract cancers: a systematic review of 30 years of epidemiological evidence. <i>Environmental Health</i> , 2014, 13, 44. | 1.7 | 149 |
| 2336 | Metal Release from Sandstones under Experimentally and Numerically Simulated CO ₂ Leakage Conditions. <i>Environmental Science & Technology</i> , 2014, 48, 1436-1442. | 4.6 | 59 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2337 | The Environmental Geochemistry of Arsenic – An Overview --. Reviews in Mineralogy and Geochemistry, 2014, 79, 1-16. | 2.2 | 105 |
| 2338 | Parageneses and Crystal Chemistry of Arsenic Minerals. Reviews in Mineralogy and Geochemistry, 2014, 79, 17-184. | 2.2 | 94 |
| 2339 | Arsenic Speciation and Sorption in Natural Environments. Reviews in Mineralogy and Geochemistry, 2014, 79, 185-216. | 2.2 | 109 |
| 2340 | Measuring Arsenic Speciation in Environmental Media: Sampling, Preservation, and Analysis. Reviews in Mineralogy and Geochemistry, 2014, 79, 371-390. | 2.2 | 12 |
| 2341 | As ³⁺ removal by Ca ²⁺ -Mn ²⁺ -Fe ₃ O ₄ with and without H ₂ O ₂ : Effects of calcium oxide in Ca ²⁺ -Mn ²⁺ -Fe ₃ O ₄ . Journal of Hazardous Materials, 2014, 280, 322-330. | 6.5 | 14 |
| 2342 | Fluoride and arsenic hydrogeochemistry of groundwater at Yuncheng basin, Northern China. Geochemistry International, 2014, 52, 868-881. | 0.2 | 32 |
| 2343 | Hydrogeochemistry of Urban Floodplain Aquifer Under the Influence of Contaminated River Seepage in Delhi (India). Aquatic Geochemistry, 2014, 20, 519-543. | 1.5 | 16 |
| 2344 | Investigation of severe water problem in urban areas of a developing country: the case of Dhaka, Bangladesh. Environmental Geochemistry and Health, 2014, 36, 1079-1094. | 1.8 | 30 |
| 2345 | Arsenic removal from aqueous solutions by adsorption onto iron oxide/activated carbon magnetic composite. Journal of Environmental Health Science & Engineering, 2014, 12, 58. | 1.4 | 121 |
| 2346 | Geochemical modeling and multivariate statistical evaluation of trace elements in arsenic contaminated groundwater systems of Viterbo Area, (Central Italy). SpringerPlus, 2014, 3, 237. | 1.2 | 59 |
| 2347 | Natural attenuation process via microbial oxidation of arsenic in a high Andean watershed. Science of the Total Environment, 2014, 466-467, 490-502. | 3.9 | 48 |
| 2348 | Arsenite Binding to Sulfhydryl Groups in the Absence and Presence of Ferrihydrite: A Model Study. Environmental Science & Technology, 2014, 48, 3822-3831. | 4.6 | 25 |
| 2349 | Ultrasonic assisted arsenate adsorption on solvothermally synthesized calcite modified by goethite, γ -MnO ₂ and goethite/ γ -MnO ₂ . Ultrasonics Sonochemistry, 2014, 21, 790-801. | 3.8 | 37 |
| 2350 | Recent Trends in Modelling of Environmental Contaminants. , 2014, , . | | 6 |
| 2351 | Fixed-bed column performance of Mn-incorporated iron(III) oxide nanoparticle agglomerates on As(III) removal from the spiked groundwater in lab bench scale. Chemical Engineering Journal, 2014, 248, 18-26. | 6.6 | 44 |
| 2352 | Geochemistry and mineralogy of mine-waste material from a "eskarn-type" deposit in central Mexico: Modeling geochemical controls of metals in the surface environment. Journal of Geochemical Exploration, 2014, 144, 28-36. | 1.5 | 28 |
| 2353 | Predicting Geogenic Arsenic Contamination in Shallow Groundwater of South Louisiana, United States. Environmental Science & Technology, 2014, 48, 5660-5666. | 4.6 | 43 |
| 2354 | Speciation and detection of arsenic in aqueous samples: A review of recent progress in non-atomic spectrometric methods. Analytica Chimica Acta, 2014, 831, 1-23. | 2.6 | 146 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2355 | Origin of Arsenic in Groundwater from the Multilayer Aquifer in Cremona (Northern Italy). <i>Environmental Science & Technology</i> , 2014, 48, 5395-5403. | 4.6 | 38 |
| 2356 | A review of high arsenic groundwater in Mainland and Taiwan, China: Distribution, characteristics and geochemical processes. <i>Applied Geochemistry</i> , 2014, 41, 196-217. | 1.4 | 285 |
| 2357 | Transformation and removal of arsenic in groundwater by sequential anodic oxidation and electrocoagulation. <i>Journal of Contaminant Hydrology</i> , 2014, 164, 299-307. | 1.6 | 28 |
| 2358 | Arsenic mobilization in the Brahmaputra plains of Assam: groundwater and sedimentary controls. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 6805-6820. | 1.3 | 21 |
| 2359 | Synthesis of nano-sized arsenic-imprinted polymer and its use as As ³⁺ selective ionophore in a potentiometric membrane electrode: Part 1. <i>Analytica Chimica Acta</i> , 2014, 843, 7-17. | 2.6 | 38 |
| 2360 | Biogeochemical Process-Based Design and Performance of a Pilot-Scale Constructed Wetland for Arsenic Removal from Simulated Bangladesh Groundwater. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 1.1 | 6 |
| 2361 | Monitoring and modeling the effects of groundwater flow on arsenic transport in Datong Basin. <i>Journal of Earth Science (Wuhan, China)</i> , 2014, 25, 386-396. | 1.1 | 7 |
| 2362 | Manganese-reducing <i>Pseudomonas fluorescens</i> -group bacteria control arsenic mobility in gold mining-contaminated groundwater. <i>Environmental Earth Sciences</i> , 2014, 71, 4187-4198. | 1.3 | 9 |
| 2363 | Geochemical behavior of arsenic in reducing sulfidic sediments of reservoir contaminated by acid mine drainage. <i>Environmental Earth Sciences</i> , 2014, 71, 4341-4351. | 1.3 | 4 |
| 2364 | Arsenic within the secondary environment resulting from geogenic inputs, Harlech Dome, United Kingdom. <i>Environmental Earth Sciences</i> , 2014, 72, 3521-3530. | 1.3 | 1 |
| 2365 | Microbially facilitated incorporation of As(III) into bioreduced Fe-(hydr)oxide minerals. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 123-128. | 0.9 | 4 |
| 2366 | A prospective cohort study of stroke mortality and arsenic in drinking water in Bangladeshi adults. <i>BMC Public Health</i> , 2014, 14, 174. | 1.2 | 32 |
| 2367 | Different Arsenate and Phosphate Incorporation Effects on the Nucleation and Growth of Iron(III) (Hydr)oxides on Quartz. <i>Environmental Science & Technology</i> , 2014, 48, 11883-11891. | 4.6 | 25 |
| 2368 | Selective removal of arsenic(V) from natural water using N-methyl-D-glucamine functionalized poly(propylene) membranes. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 2221-2228. | 3.3 | 7 |
| 2369 | Temporal Variability of Groundwater Chemistry and Relationship with Water-table Fluctuation in the Jiangnan Plain, Central China. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 100-103. | 0.6 | 31 |
| 2370 | Release of arsenite, arsenate and methyl-arsenic species from streambed sediment affected by acid mine drainage: a microcosm study. <i>Environmental Chemistry</i> , 2014, 11, 514. | 0.7 | 18 |
| 2371 | Behavior of As(V) with ZVI-H ₂ O System and the Reduction to As(0). <i>Journal of Physical Chemistry C</i> , 2014, 118, 21614-21621. | 1.5 | 26 |
| 2372 | One-pot, solid-phase synthesis of magnetic multiwalled carbon nanotube/iron oxide composites and their application in arsenic removal. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 9-17. | 5.0 | 80 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2373 | Trace Element Solubility in a Multimetal-Contaminated Soil as Affected by Redox Conditions. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 1.1 | 59 |
| 2374 | Synthesis and arsenic adsorption performances of ferric-based layered double hydroxide with L-alanine intercalation. <i>Chemical Engineering Journal</i> , 2014, 252, 267-274. | 6.6 | 75 |
| 2375 | Hydrologic control of temporal variability in groundwater arsenic on the Ganges floodplain of Nepal. <i>Journal of Hydrology</i> , 2014, 518, 342-353. | 2.3 | 40 |
| 2376 | Prevention of Arsenic Mobilization Related to Sulfide Oxidation in Aquifers. , 2014, , 197-203. | | 0 |
| 2377 | Recent advances in electrochemical detection of arsenic in drinking and ground waters. <i>Analytical Methods</i> , 2014, 6, 6157-6169. | 1.3 | 79 |
| 2378 | Arsenic removal from groundwater by acclimated sludge under autohydrogenotrophic conditions. <i>Journal of Environmental Sciences</i> , 2014, 26, 248-255. | 3.2 | 8 |
| 2379 | Influence of tectonics, sedimentation and aqueous flow cycles on the origin of global groundwater arsenic: Paradigms from three continents. <i>Journal of Hydrology</i> , 2014, 518, 284-299. | 2.3 | 88 |
| 2380 | Review of remediation techniques for arsenic (As) contamination: A novel approach utilizing bio-organisms. <i>Journal of Environmental Management</i> , 2014, 134, 175-185. | 3.8 | 97 |
| 2381 | Solubility-product constant of an amorphous aluminum-arsenate phase (AlAsO ₄ ·3.5H ₂ O) AT 25°C. <i>Hydrometallurgy</i> , 2014, 144-145, 63-68. | 1.8 | 15 |
| 2382 | Liberation of acidity and arsenic from schwertmannite: Effect of fulvic acid. <i>Chemical Geology</i> , 2014, 372, 1-11. | 1.4 | 18 |
| 2383 | In situ treatment of arsenic-contaminated groundwater by air sparging. <i>Journal of Contaminant Hydrology</i> , 2014, 159, 20-35. | 1.6 | 23 |
| 2384 | Multivariate statistical analyses on the enrichment of arsenic with different oxidation states in the Quaternary sediments of the Pearl River Delta, China. <i>Journal of Geochemical Exploration</i> , 2014, 138, 72-80. | 1.5 | 13 |
| 2385 | Preparation of microporous activated carbon and its modification for arsenic removal from water. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 887-896. | 2.9 | 98 |
| 2386 | Maternal arsenic exposure and birth outcomes: A comprehensive review of the epidemiologic literature focused on drinking water. <i>International Journal of Hygiene and Environmental Health</i> , 2014, 217, 709-719. | 2.1 | 54 |
| 2387 | Hydrogeochemical zonation and its implication for arsenic mobilization in deep groundwaters near alluvial fans in the Hetao Basin, Inner Mongolia. <i>Journal of Hydrology</i> , 2014, 518, 410-420. | 2.3 | 84 |
| 2388 | Shallow hydrostratigraphy in an arsenic affected region of Bengal Basin: Implication for targeting safe aquifers for drinking water supply. <i>Science of the Total Environment</i> , 2014, 485-486, 12-22. | 3.9 | 49 |
| 2389 | Acid and organic resistant nano-hydrated zirconium oxide (HZO)/polystyrene hybrid adsorbent for arsenic removal from water. <i>Chemical Engineering Journal</i> , 2014, 248, 290-296. | 6.6 | 85 |
| 2390 | Hydrogeochemistry and arsenic contamination of groundwater in the Jiangnan Plain, central China. <i>Journal of Geochemical Exploration</i> , 2014, 138, 81-93. | 1.5 | 175 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 2391 | Precursor morphology-controlled formation of perovskites CaTiO ₃ and their photo-activity for As(III) removal. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 108-115. | 10.8 | 70 |
| 2392 | Iron crosslinked alginate as novel nanosorbents for removal of arsenic ions and bacteriological contamination from water. <i>Journal of Materials Research and Technology</i> , 2014, 3, 195-202. | 2.6 | 47 |
| 2393 | Distribution and genetic diversity of the microorganisms in the biofilter for the simultaneous removal of arsenic, iron and manganese from simulated groundwater. <i>Bioresource Technology</i> , 2014, 156, 384-388. | 4.8 | 77 |
| 2394 | Size-fractionation of groundwater arsenic in alluvial aquifers of West Bengal, India: The role of organic and inorganic colloids. <i>Science of the Total Environment</i> , 2014, 468-469, 804-812. | 3.9 | 37 |
| 2395 | Immobilization of arsenate in a sandy loam soil using starch-stabilized magnetite nanoparticles. <i>Journal of Hazardous Materials</i> , 2014, 271, 16-23. | 6.5 | 56 |
| 2396 | Geochemical comparison of waters and stream sediments close to abandoned Sb-Au and As-Au mining areas, northern Portugal. <i>Chemie Der Erde</i> , 2014, 74, 267-283. | 0.8 | 9 |
| 2397 | Review of arsenic contamination, exposure through water and food and low cost mitigation options for rural areas. <i>Applied Geochemistry</i> , 2014, 41, 11-33. | 1.4 | 160 |
| 2398 | The arsenic content in marketed seafood and associated health risks for the residents of Shandong, China. <i>Ecotoxicology and Environmental Safety</i> , 2014, 102, 168-173. | 2.9 | 43 |
| 2399 | Competitive adsorption of humic acid and arsenate on nanoscale iron-manganese binary oxide-loaded zeolite in groundwater. <i>Journal of Geochemical Exploration</i> , 2014, 144, 220-225. | 1.5 | 30 |
| 2400 | Synthesis, characterization and As(III) adsorption behavior of β -cyclodextrin modified hydrous ferric oxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1741-1751. | 2.9 | 14 |
| 2401 | Arsenic transforming abilities of groundwater bacteria and the combined use of <i>Aliihoeflea</i> sp. strain 2WW and goethite in metalloid removal. <i>Journal of Hazardous Materials</i> , 2014, 269, 89-97. | 6.5 | 47 |
| 2402 | Removal of Arsenic and Phosphate from Aqueous Solution by Metal (Hydr)-oxide Coated Sand. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1128-1138. | 3.2 | 62 |
| 2403 | Enhanced removal of trace arsenate by magnetic nanoparticles modified with arginine and lysine. <i>Chemical Engineering Journal</i> , 2014, 254, 340-348. | 6.6 | 35 |
| 2404 | Improved arsenic(III) adsorption by Al ₂ O ₃ nanoparticles and H ₂ O ₂ : Evidence of oxidation to arsenic(V) from X-ray absorption spectroscopy. <i>Chemosphere</i> , 2014, 113, 151-157. | 4.2 | 43 |
| 2405 | Arsenic content in groundwater from the southern part of the San Antonio-El Triunfo mining district, Baja California Sur, Mexico. <i>Journal of Hydrology</i> , 2014, 518, 447-459. | 2.3 | 31 |
| 2406 | Modified nanocrystalline natural zeolite for adsorption of arsenate from wastewater: Isotherm and kinetic studies. <i>Microporous and Mesoporous Materials</i> , 2014, 197, 101-108. | 2.2 | 15 |
| 2407 | The coupled geochemistry of Au and As in pyrite from hydrothermal ore deposits. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 644-670. | 1.6 | 400 |
| 2408 | Arsenic uptake and depuration kinetics in <i>Microcystis aeruginosa</i> under different phosphate regimes. <i>Journal of Hazardous Materials</i> , 2014, 276, 393-399. | 6.5 | 45 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2409 | Recent history of sediment metal contamination in Lake Macquarie, Australia, and an assessment of ash handling procedure effectiveness in mitigating metal contamination from coal-fired power stations. <i>Science of the Total Environment</i> , 2014, 490, 659-670. | 3.9 | 30 |
| 2410 | Life cycle analysis of two Hungarian drinking water arsenic removal technologies. <i>Water Science and Technology: Water Supply</i> , 2014, 14, 48-60. | 1.0 | 4 |
| 2411 | Survey on full-scale drinking water treatment plants for arsenic removal in Italy. <i>Water Practice and Technology</i> , 2014, 9, 42-51. | 1.0 | 20 |
| 2412 | Tectonic structure, lithology, and hydrothermal signature of the Rainbow massif (Mid-Atlantic Ridge) Tj ETQq1 1 0.784314 rgBT /Over | 1.0 | 69 |
| 2413 | Groundwater flow dynamics and arsenic source characterization in an aquifer system of West Bengal, India. <i>Water Resources Research</i> , 2014, 50, 4974-5002. | 1.7 | 60 |
| 2414 | Transport of arsenic in some affected soils of Indian subtropics. <i>Soil Research</i> , 2014, 52, 822. | 0.6 | 5 |
| 2415 | Quality modeling of drinking groundwater using GIS in rural communities, northwest of Iran. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 99. | 1.4 | 36 |
| 2416 | Arsenic biotransference to alfalfa (<i>Medicago sativa</i>). <i>International Journal of Environment and Health</i> , 2014, 7, 31. | 0.3 | 4 |
| 2417 | Naked-eye and Colorimetric Detection of Arsenic(III) Using Difluoroboron-curcumin in Aqueous and Resin Bead Support Systems. <i>Analytical Sciences</i> , 2014, 30, 1129-1134. | 0.8 | 36 |
| 2418 | Anthropophile elements in river sediments: Overview from the <sc>S</sc>eine <sc>R</sc>iver, <sc>F</sc>rance. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4526-4546. | 1.0 | 47 |
| 2419 | Constraints on Precipitation of the Ferrous Arsenite Solid $H_{7-4}Fe_{4-5}(AsO_3)_5$. <i>Journal of Environmental Quality</i> , 2014, 43, 947-954. | 1.0 | 7 |
| 2421 | Rapid detection of arsenic minerals using portable broadband NQR. <i>Geophysical Research Letters</i> , 2014, 41, 6765-6771. | 1.5 | 7 |
| 2423 | Kinetic Studies of Cr(VI) Reduction in an Indigenous Mixed Culture of Bacteria in the Presence of As(III). <i>Proceedings of the Water Environment Federation</i> , 2014, 2014, 5308-5327. | 0.0 | 0 |
| 2424 | Impacts of Shallow Geothermal Energy on Groundwater Quality. <i>Water Intelligence Online</i> , 0, 13, . | 0.3 | 13 |
| 2425 | 1. The Environmental Geochemistry of Arsenic: An Overview. , 2014, , 1-16. | | 2 |
| 2426 | 2. Parageneses and Crystal Chemistry of Arsenic Minerals. , 2014, , 17-184. | | 12 |
| 2427 | 3. Arsenic Speciation and Sorption in Natural Environments. , 2014, , 185-216. | | 4 |
| 2428 | 6. Measuring Arsenic Speciation in Environmental Media: Sampling, Preservation, and Analysis. , 2014, , 371-390. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2429 | 7. Microbial Arsenic Metabolism and Reaction Energetics. , 2014, , 391-434. | | 0 |
| 2430 | 11. The Management of Arsenic in the Mining Industry. , 2014, , 507-532. | | 0 |
| 2431 | A Review of Groundwater Arsenic in the Bengal Basin, Bangladesh and India: from Source to Sink. Current Pollution Reports, 2015, 1, 220-247. | 3.1 | 104 |
| 2432 | The influence of flow through saline gravel pit lakes on the hydrologic budget and hydrochemistry of a Mediterranean drainage basin. Limnology and Oceanography, 2015, 60, 2009-2025. | 1.6 | 13 |
| 2433 | Dynamic column adsorption of As on iron-oxide-coated natural rock (IOCNR) and sludge management. Desalination and Water Treatment, 2015, 55, 2171-2182. | 1.0 | 2 |
| 2434 | Microbial ecology of arsenic mobilizing Cambodian sediments: lithological controls uncovered by stable isotope probing. Environmental Microbiology, 2015, 17, 1857-1869. | 1.8 | 44 |
| 2436 | Geogenic contamination of groundwater in shallow aquifers in Ibadan, south-west Nigeria. Management of Environmental Quality, 2015, 26, 327-341. | 2.2 | 4 |
| 2437 | Biosorption of Heavy Metals. , 2015, , 427-444. | | 0 |
| 2438 | Biomining of Base Metals from Sulphide Minerals. , 2015, , 53-76. | | 0 |
| 2439 | Geogenic Contamination: Hydrogeochemical processes and relationships in Shallow Aquifers of Ibadan, South-West Nigeria. Bulletin of Geography, Physical Geography Series, 2015, 9, 5-20. | 0.3 | 8 |
| 2440 | Measurement of labile arsenic speciation in water and soil using diffusive gradients in thin films (DGT) and X-ray absorption near edge spectroscopy (XANES). Environmental Chemistry, 2015, 12, 102. | 0.7 | 12 |
| 2442 | Adsorption of As(III) from Aqueous Solutions by Novel Fe-Mg Type Hydrotalcite. Chemical and Pharmaceutical Bulletin, 2015, 63, 1040-1046. | 0.6 | 13 |
| 2443 | Flotation Behavior of Arsenopyrite and Pyrite, and Their Selective Separation. Materials Transactions, 2015, 56, 435-440. | 0.4 | 21 |
| 2444 | Statistical Analysis of Secondary Water Quality Impacts from Enhanced Reductive Bioremediation. Ground Water Monitoring and Remediation, 2015, 35, 67-77. | 0.6 | 3 |
| 2445 | Industrial arsenic contamination causes catastrophic changes in freshwater ecosystems. Scientific Reports, 2015, 5, 17419. | 1.6 | 54 |
| 2446 | Arsenic and heavy metals contamination, risk assessment and their source in drinking water of the Mardan District, Khyber Pakhtunkhwa, Pakistan. Journal of Water and Health, 2015, 13, 1073-1084. | 1.1 | 30 |
| 2447 | Potential of some aquatic plants for removal of arsenic from wastewater by green technology. Limnological Review, 2015, 15, 15-20. | 0.5 | 6 |
| 2448 | Understanding aqueous trace metal characteristics from industrial sources in China. Water Policy, 2015, 17, 791-803. | 0.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2449 | Adsorption of Arsenate on Iron Oxides as Influenced by Humic Acids. <i>Journal of Environmental Quality</i> , 2015, 44, 1729-1737. | 1.0 | 9 |
| 2450 | Natural attenuation of geothermal arsenic from Yangbajain power plant discharge in the Zangbo River, Tibet, China. <i>Applied Geochemistry</i> , 2015, 62, 164-170. | 1.4 | 26 |
| 2451 | Arsenic removal from groundwater by ion exchange and adsorption processes: comparison of two different materials. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 981-989. | 1.0 | 15 |
| 2452 | Distribution of iron in activated carbon composites: assessment of arsenic removal behavior. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 990-998. | 1.0 | 11 |
| 2453 | Arsenic solid-phase speciation in an alluvial aquifer system adjacent to the Himalayan forehills, Nepal. <i>Chemical Geology</i> , 2015, 419, 55-66. | 1.4 | 17 |
| 2454 | Natural Occurrence of Arsenic in Groundwater from Lesvos Island, Greece. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 15 |
| 2455 | Chemistry of Arsenic in Semi-Arid Alkaline Soils of the Southern High Plains, USA: Sorption Characteristics and Interactions with Soil Constituents. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 3 |
| 2456 | Arsenic Enrichment in the Groundwater of Diphu, Northeast India: Coupled Application of Major Ion Chemistry, Speciation Modeling, and Multivariate Statistical Techniques. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1501-1513. | 0.7 | 16 |
| 2457 | Polymorphisms in maternal folate pathway genes interact with arsenic in drinking water to influence risk of myelomeningocele. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2015, 103, 754-762. | 1.6 | 21 |
| 2458 | Synthesis of large scorodite particles using short period time sonication to enhance agglomeration of precursor. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 07HE12. | 0.8 | 15 |
| 2459 | EVALUATING ARSENIC AND MANGANESE REMOVAL FROM WATER BY CHLORINE OXIDATION FOLLOWED BY CLARIFICATION. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 409-419. | 0.7 | 9 |
| 2460 | Arsenic Exposure: Mechanisms of Action and Related Health Effects. , 2015, 05, . | | 10 |
| 2461 | Introducing Simple Detection of Bioavailable Arsenic at Rafaela (Santa Fe Province, Argentina) Using the ARSOLux Biosensor. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5465-5482. | 1.2 | 14 |
| 2462 | Sustainable Management for Arsenic (As) Free Safe Drinking Water in Bangladesh: A Review. <i>Journal of Petroleum & Environmental Biotechnology</i> , 2015, 06, . | 0.3 | 0 |
| 2463 | Unraveling Health Risk and Speciation of Arsenic from Groundwater in Rural Areas of Punjab, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 12371-12390. | 1.2 | 157 |
| 2464 | Construction of a Modular Arsenic-Resistance Operon in <i>E. coli</i> and the Production of Arsenic Nanoparticles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 160. | 2.0 | 14 |
| 2465 | Estimation of Arsenic Intake from Drinking Water and Food (Raw and Cooked) in a Rural Village of Northern Chile. Urine as a Biomarker of Recent Exposure. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5614-5633. | 1.2 | 26 |
| 2466 | Accumulation of Heavy Metals and Metalloid in Foodstuffs from Agricultural Soils around Tarkwa Area in Ghana, and Associated Human Health Risks. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 8811-8827. | 1.2 | 48 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2467 | Ecological Risk of Heavy Metals and a Metalloid in Agricultural Soils in Tarkwa, Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 11448-11465. | 1.2 | 49 |
| 2468 | High-Up: A Remote Reservoir of Microbial Extremophiles in Central Andean Wetlands. <i>Frontiers in Microbiology</i> , 2015, 6, 1404. | 1.5 | 80 |
| 2469 | The Arbuscular Mycorrhiza <i>Rhizophagus intraradices</i> Reduces the Negative Effects of Arsenic on Soybean Plants. <i>Agronomy</i> , 2015, 5, 188-199. | 1.3 | 46 |
| 2470 | Effects of Arsenite Resistance on the Growth and Functional Gene Expression of <i>Leptospirillum ferriphilum</i> and <i>Acidithiobacillus thiooxidans</i> in Pure Culture and Coculture. <i>BioMed Research International</i> , 2015, 2015, 1-13. | 0.9 | 22 |
| 2471 | An Integrated Approach to Identify Water Resources for Human Consumption in an Area Affected by High Natural Arsenic Content. <i>Water (Switzerland)</i> , 2015, 7, 5091-5114. | 1.2 | 13 |
| 2472 | Arsenic and Developmental Toxicity and Reproductive Disorders. , 2015, , 521-532. | | 2 |
| 2473 | Treatment of arsenic (III) contaminated water by dynamically modified iron-coated sand (DMICS). <i>Desalination and Water Treatment</i> , 2015, 53, 2565-2577. | 1.0 | 6 |
| 2474 | Mesoporous ZnAl ₂ O ₄ : an efficient adsorbent for the removal of arsenic from contaminated water. <i>Dalton Transactions</i> , 2015, 44, 11843-11851. | 1.6 | 26 |
| 2475 | Arsenic Contents and Its Biotransformation in the Marine Environment. , 2015, , 675-700. | | 13 |
| 2476 | Effect of arsenic on tolerance mechanisms of two plant growth-promoting bacteria used as biological inoculants. <i>Journal of Environmental Sciences</i> , 2015, 33, 203-210. | 3.2 | 38 |
| 2477 | Introduction to the Arsenic Contamination Problem. , 2015, , 1-23. | | 7 |
| 2478 | Mechanism of Arsenic Adsorption on Magnetite Nanoparticles from Water: Thermodynamic and Spectroscopic Studies. <i>Environmental Science & Technology</i> , 2015, 49, 7726-7734. | 4.6 | 314 |
| 2479 | Surface Generated Organic Matter: An Important Driver for Arsenic Mobilization in Bengal Delta Plain. , 2015, , 179-196. | | 3 |
| 2480 | Geological, hydrogeological, and geothermal factors associated to the origin of arsenic, fluoride, and groundwater temperature in a volcanic environment "El Bajío Guanajuatense", Mexico. <i>Environmental Earth Sciences</i> , 2015, 74, 5403-5415. | 1.3 | 38 |
| 2481 | Arsenic mobility in mildly alkaline drainage from an orogenic lode gold deposit, Bralorne mine, British Columbia. <i>Applied Geochemistry</i> , 2015, 57, 45-54. | 1.4 | 14 |
| 2482 | Concentrations of arsenic and other elements in groundwater of Bangladesh and West Bengal, India: Potential cancer risk. <i>Chemosphere</i> , 2015, 139, 54-64. | 4.2 | 104 |
| 2483 | Targeting Cu-Au and Mo resources using multi-media exploration geochemistry: An example from Tyonek Quadrangle, Alaska Range, Alaska. <i>Journal of Geochemical Exploration</i> , 2015, 157, 52-65. | 1.5 | 9 |
| 2484 | Preliminary Assessment of Arsenic Distribution in Brahmaputra River Basin of India Based on Examination of 56,180 Public Groundwater Wells. , 2015, , 57-64. | | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2485 | Efficient arsenic(V) and arsenic(III) removal from acidic solutions with Novel Forager Sponge-loaded superparamagnetic iron oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 132-141. | 5.0 | 44 |
| 2486 | Arsenic Geochemistry of Acid Mine Drainage. <i>Mine Water and the Environment</i> , 2015, 34, 181-196. | 0.9 | 53 |
| 2487 | Influence of clay minerals on sorption and bioreduction of arsenic under anoxic conditions. <i>Environmental Geochemistry and Health</i> , 2015, 37, 997-1005. | 1.8 | 10 |
| 2488 | Arsenic Removal and Transformation by <i>Pseudomonas</i> sp. Strain GE-1-Induced Ferrihydrite: Co-precipitation Versus Adsorption. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 19 |
| 2489 | Quality and hydrochemistry of groundwater used for drinking in Lahore, Pakistan: analysis of source and distributed groundwater. <i>Environmental Earth Sciences</i> , 2015, 74, 4281-4294. | 1.3 | 29 |
| 2490 | Diffusive and Reactive Fronts in Porous Media: Iron(II) Oxidation at the Unsaturated-Saturated Interface. <i>Vadose Zone Journal</i> , 2015, 14, 1-14. | 1.3 | 30 |
| 2491 | Biochemical and Molecular Basis of Arsenic Toxicity and Tolerance in Microbes and Plants. , 2015, , 627-674. | | 19 |
| 2492 | Arsenic accumulation in the roots of <i>Helianthus annuus</i> and <i>Zea mays</i> by irrigation with arsenic-rich groundwater: Insights from synchrotron X-ray fluorescence imaging. <i>Chemie Der Erde</i> , 2015, 75, 261-270. | 0.8 | 27 |
| 2493 | In situ treatment of arsenic contaminated groundwater by aquifer iron coating: Experimental study. <i>Science of the Total Environment</i> , 2015, 527-528, 38-46. | 3.9 | 24 |
| 2494 | Geothermal Systems of Low Temperature in Mexican Highlands: Alternative Uses and Associated Risks. <i>Procedia Environmental Sciences</i> , 2015, 25, 214-219. | 1.3 | 9 |
| 2495 | Cu doped Fe ₃ O ₄ magnetic adsorbent for arsenic: synthesis, property, and sorption application. <i>RSC Advances</i> , 2015, 5, 50011-50018. | 1.7 | 85 |
| 2496 | Photocatalytic oxidation mechanism of arsenite on tungsten trioxide under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 311, 35-40. | 2.0 | 28 |
| 2497 | Adsorption of arsenic(V) from aqueous solutions by goethite/silica nanocomposite. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 3905-3914. | 1.8 | 28 |
| 2498 | Structural Characterization of Ferrihydrite/Hematite Nanocomposites and Their Arsenic Adsorption Properties. <i>Adsorption Science and Technology</i> , 2015, 33, 871-880. | 1.5 | 7 |
| 2499 | Reductive dissolution of scorodite in the presence of <i>Shewanella</i> sp. AN32 and <i>Shewanella</i> sp. ANA-3. <i>Applied Geochemistry</i> , 2015, 63, 347-356. | 1.4 | 23 |
| 2500 | Arsenic in bedrock, soil and groundwater – The first arsenic guidelines for aggregate production established in Finland. <i>Earth-Science Reviews</i> , 2015, 150, 709-723. | 4.0 | 16 |
| 2501 | Complete genome sequence of <i>Microbacterium</i> sp. CGR1, bacterium tolerant to wide abiotic conditions isolated from the Atacama Desert. <i>Journal of Biotechnology</i> , 2015, 216, 149-150. | 1.9 | 8 |
| 2502 | Geochemical controls and future perspective of arsenic mobilization for sustainable groundwater management: A study from Northeast India. <i>Groundwater for Sustainable Development</i> , 2015, 1, 92-104. | 2.3 | 43 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2503 | Phycoremediation of arsenic from wastewaters by <i>Chlorella pyrenoidosa</i> . <i>Groundwater for Sustainable Development</i> , 2015, 1, 78-91. | 2.3 | 14 |
| 2504 | Removal of As(V) from groundwater using functionalized magnetic adsorbent materials: Effects of competing ions. <i>Separation and Purification Technology</i> , 2015, 156, 699-707. | 3.9 | 15 |
| 2505 | Removal of arsenic by a <i>Bacillus arsenicus</i> biofilm supported on GAC/MnFe ₂ O ₄ composite. <i>Groundwater for Sustainable Development</i> , 2015, 1, 105-128. | 2.3 | 8 |
| 2506 | Accumulation and spatial distribution of arsenic and phosphorus in the fern <i>Pityrogramma calomelanos</i> evaluated by micro X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2375-2383. | 1.6 | 18 |
| 2507 | The spatial multiscale variability of heavy metals based on factorial kriging analysis: A case study in the northeastern Beibu Gulf. <i>Acta Oceanologica Sinica</i> , 2015, 34, 137-146. | 0.4 | 7 |
| 2508 | Influence of As(V) on bacteriophage MS2 removal by hematite in aqueous solutions. <i>Desalination and Water Treatment</i> , 2015, 56, 760-769. | 1.0 | 3 |
| 2509 | Biogeochemical environments of streambed-sediment pore waters with and without arsenic enrichment in a sedimentary rock terrain, New Jersey Piedmont, USA. <i>Science of the Total Environment</i> , 2015, 505, 1350-1360. | 3.9 | 3 |
| 2510 | Fe ₃ O ₄ and MnO ₂ assembled on honeycomb briquette cinders (HBC) for arsenic removal from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2015, 286, 220-228. | 6.5 | 101 |
| 2511 | Geochemical effects of dissolved organic matter biodegradation on arsenic transport in groundwater systems. <i>Journal of Geochemical Exploration</i> , 2015, 149, 8-21. | 1.5 | 36 |
| 2512 | Coprecipitated arsenate inhibits thermal transformation of 2-line ferrihydrite: Implications for long-term stability of ferrihydrite. <i>Chemosphere</i> , 2015, 122, 88-93. | 4.2 | 38 |
| 2513 | Temporal variation of groundwater level and arsenic concentration at Jiangnan Plain, central China. <i>Journal of Geochemical Exploration</i> , 2015, 149, 106-119. | 1.5 | 102 |
| 2514 | Facile one-pot and rapid synthesis of surfactant-free Au-reduced graphene oxide nanocomposite for trace arsenic (III) detection. <i>Electrochimica Acta</i> , 2015, 157, 183-190. | 2.6 | 49 |
| 2515 | Colorimetric detection of anions in aqueous media using N-monosubstituted diaminomaleonitrile-based azo-azomethine receptors: Real-life applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 405-412. | 2.0 | 14 |
| 2516 | A review of arsenic and its impacts in groundwater of the Ganges-Brahmaputra-Meghna delta, Bangladesh. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1032-1046. | 1.7 | 72 |
| 2517 | Visual colorimetry for determination of trace arsenic in groundwater based on improved molybdenum blue spectrophotometry. <i>Analytical Methods</i> , 2015, 7, 2794-2799. | 1.3 | 22 |
| 2518 | Inorganic chemical quality of European tap-water: 2. Geographical distribution. <i>Applied Geochemistry</i> , 2015, 59, 211-224. | 1.4 | 25 |
| 2519 | Combined use of collision cell technique and methanol addition for the analysis of arsenic in a high-chloride-containing sample by ICP-MS. <i>Microchemical Journal</i> , 2015, 120, 77-81. | 2.3 | 11 |
| 2520 | Bioassessment of trace element contamination of Mediterranean coastal waters using the seagrass <i>Posidonia oceanica</i> . <i>Journal of Environmental Management</i> , 2015, 151, 486-499. | 3.8 | 34 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2521 | Effect of Humic Acid on Arsenic Adsorption and Pore Blockage on Iron-Based Adsorbent. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 20 |
| 2522 | Water-Rock Interaction and Geochemical Processes in Surface Waters Influenced by Tailings Impoundments: Impact and Threats to the Ecosystems and Human Health in Rural Communities (Panasqueira Mine, Central Portugal). <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 24 |
| 2523 | The use of superporous p(3-acrylamidopropyl)trimethyl ammonium chloride cryogels for removal of toxic arsenate anions. <i>Journal of Environmental Management</i> , 2015, 152, 66-74. | 3.8 | 48 |
| 2524 | Arsenic Removal from Groundwater by Goethite Impregnated Calcium Alginate Beads. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 41 |
| 2525 | Stability of As(V)-sorbed schwertmannite under porphyry copper mine conditions. <i>Minerals Engineering</i> , 2015, 74, 51-59. | 1.8 | 17 |
| 2526 | Principal component analysis and hierarchical cluster analyses of arsenic groundwater geochemistry in the Hetao basin, Inner Mongolia. <i>Chemie Der Erde</i> , 2015, 75, 197-205. | 0.8 | 64 |
| 2527 | Coupled Redox Transformation of Chromate and Arsenite on Ferrihydrite. <i>Environmental Science & Technology</i> , 2015, 49, 2858-2866. | 4.6 | 51 |
| 2528 | Increasing arsenic mobility in the fine fraction of the dry stream sediments of the semi-arid San Antonio gold mining district (Baja California peninsula, Mexico). <i>Environmental Earth Sciences</i> , 2015, 73, 4689-4700. | 1.3 | 6 |
| 2529 | A novel eco-friendly porous concrete fabricated with coal ash and geopolymeric binder: Heavy metal leaching characteristics and compressive strength. <i>Construction and Building Materials</i> , 2015, 79, 173-181. | 3.2 | 69 |
| 2530 | Reductive dissolution of ferrihydrite with the release of As(V) in the presence of dissolved S(-II). <i>Journal of Hazardous Materials</i> , 2015, 286, 291-297. | 6.5 | 33 |
| 2531 | Effect of irrigation on Fe(III)-SO ₄ ²⁻ redox cycling and arsenic mobilization in shallow groundwater from the Datong basin, China: Evidence from hydrochemical monitoring and modeling. <i>Journal of Hydrology</i> , 2015, 523, 128-138. | 2.3 | 48 |
| 2532 | Effect of Arsenic Compounds on the <i>in Vitro</i> Differentiation of Mouse Embryonic Stem Cells into Cardiomyocytes. <i>Chemical Research in Toxicology</i> , 2015, 28, 351-353. | 1.7 | 18 |
| 2533 | Natural Hot Spots for Gain of Multiple Resistances: Arsenic and Antibiotic Resistances in Heterotrophic, Aerobic Bacteria from Marine Hydrothermal Vent Fields. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2534-2543. | 1.4 | 66 |
| 2534 | Arsenic removal from aqueous solutions by ultrafiltration assisted with polyacrylamide: an application of response surface methodology. <i>Desalination and Water Treatment</i> , 2015, 56, 736-743. | 1.0 | 6 |
| 2535 | Arsenic accumulation and speciation in rice grains influenced by arsenic phytotoxicity and rice genotypes grown in arsenic-elevated paddy soils. <i>Journal of Hazardous Materials</i> , 2015, 286, 179-186. | 6.5 | 73 |
| 2536 | Characteristics and mechanisms of arsenate adsorption onto manganese oxide-doped aluminum oxide. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1009-1018. | 1.3 | 23 |
| 2537 | Arsenic and antimony in water and wastewater: Overview of removal techniques with special reference to latest advances in adsorption. <i>Journal of Environmental Management</i> , 2015, 151, 326-342. | 3.8 | 480 |
| 2538 | Arsenite Oxidase Also Functions as an Antimonite Oxidase. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1959-1965. | 1.4 | 71 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2539 | Adsorption of Arsenic from Aqueous Solutions by Iron Oxide Coated Sand Fabricated with Acid Mine Drainage. <i>Separation Science and Technology</i> , 2015, 50, 267-275. | 1.3 | 22 |
| 2540 | Dissolved and solid-phase arsenic fate in an arsenic-enriched aquifer in the river Brahmaputra alluvial plain. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 93. | 1.3 | 11 |
| 2541 | Analysis of Trace Elements in Groundwater Using ICP-OES and TXRF Techniques and Its Compliance with Brazilian Protection Standards. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 30 |
| 2542 | Evaluation of the processes controlling arsenic contamination in parts of the Brahmaputra floodplains in Assam, India. <i>Environmental Earth Sciences</i> , 2015, 73, 4473-4482. | 1.3 | 7 |
| 2543 | Spatial distribution of arsenic, uranium and vanadium in the volcanic-sedimentary aquifers of the Vicano-Cimino Volcanic District (Central Italy). <i>Journal of Geochemical Exploration</i> , 2015, 152, 123-133. | 1.5 | 52 |
| 2544 | Bioaccumulation of arsenic and silver by the caddisfly larvae <i>Hydropsyche siltalai</i> and <i>H. pellucidula</i> : A biodynamic modeling approach. <i>Aquatic Toxicology</i> , 2015, 161, 196-207. | 1.9 | 28 |
| 2545 | Mitochondrial functional impairment in response to environmental toxins in the cardiorenal metabolic syndrome. <i>Archives of Toxicology</i> , 2015, 89, 147-153. | 1.9 | 32 |
| 2546 | Surface and Groundwater Quality in Taftan Geothermal Field, SE Iran. <i>Water Quality, Exposure, and Health</i> , 2015, 7, 205-218. | 1.5 | 14 |
| 2547 | Status of groundwater arsenic pollution of Mirzapur district in Holocene aquifers from parts of the Middle Ganga Plain, India. <i>Environmental Earth Sciences</i> , 2015, 73, 1505-1514. | 1.3 | 10 |
| 2548 | Effects of pH, dissolved oxygen, and aqueous ferrous iron on the adsorption of arsenic to lepidocrocite. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 331-338. | 5.0 | 93 |
| 2549 | Substantial contribution of biomethylation to aquifer arsenic cycling. <i>Nature Geoscience</i> , 2015, 8, 290-293. | 5.4 | 36 |
| 2550 | Tracking the transformation and transport of arsenic sulfide pigments in paints: synchrotron-based X-ray micro-analyses. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 813-827. | 1.6 | 77 |
| 2551 | Arsenite stress variably stimulates pro-oxidant enzymes, anatomical deformities, photosynthetic pigment reduction, and antioxidants in arsenic-tolerant and sensitive rice seedlings. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1562-1571. | 2.2 | 18 |
| 2552 | Toxic metal(loid) speciation during weathering of iron sulfide mine tailings under semi-arid climate. <i>Applied Geochemistry</i> , 2015, 62, 131-149. | 1.4 | 65 |
| 2553 | Dependence of pH in coastal waters on the adsorption of protons onto sediment minerals. <i>Limnology and Oceanography</i> , 2015, 60, 831-839. | 1.6 | 18 |
| 2554 | Geochemical Triggers of Arsenic Mobilization during Managed Aquifer Recharge. <i>Environmental Science & Technology</i> , 2015, 49, 7802-7809. | 4.6 | 63 |
| 2555 | Adsorption, desorption and fractionation of As(V) on untreated and mussel shell-treated granitic material. <i>Solid Earth</i> , 2015, 6, 337-346. | 1.2 | 19 |
| 2556 | Opportunities for Phytoremediation and Bioindication of Arsenic Contaminated Water Using a Submerged Aquatic Plant: <i>Vallisneria spiralis</i> (Lour.) Hara.. <i>International Journal of Phytoremediation</i> , 2015, 17, 249-255. | 1.7 | 44 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2557 | Micro/nanostructured porous Fe-Ni binary oxide and its enhanced arsenic adsorption performances. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 94-102. | 5.0 | 45 |
| 2558 | Compositional variation and timing of aluminum phosphate-sulfate minerals in the basement rocks along the P2 fault and in association with the McArthur River uranium deposit, Athabasca Basin, Saskatchewan, Canada. <i>American Mineralogist</i> , 2015, 100, 1386-1399. | 0.9 | 20 |
| 2559 | A critical review of arsenic exposures for Bangladeshi adults. <i>Science of the Total Environment</i> , 2015, 527-528, 540-551. | 3.9 | 50 |
| 2560 | Elemental and biomarker characteristics in a Pleistocene aquifer vulnerable to arsenic contamination in the Bengal Delta Plain, India. <i>Applied Geochemistry</i> , 2015, 61, 87-98. | 1.4 | 38 |
| 2561 | Bacteria-mediated reduction of As(V)-doped lepidocrocite in a flooded soil sample. <i>Chemical Geology</i> , 2015, 406, 34-44. | 1.4 | 17 |
| 2562 | Approaching the geochemical complexity of As(V)-contaminated systems through thermodynamic modeling. <i>Chemical Geology</i> , 2015, 410, 162-173. | 1.4 | 2 |
| 2563 | Mobilization of arsenic, lead, and mercury under conditions of sea water intrusion and road deicing salt application. <i>Journal of Contaminant Hydrology</i> , 2015, 180, 12-24. | 1.6 | 28 |
| 2564 | Adsorption behavior and removal mechanism of arsenic on graphene modified by iron-manganese binary oxide (FeMnO _x /RGO) from aqueous solutions. <i>RSC Advances</i> , 2015, 5, 67951-67961. | 1.7 | 107 |
| 2565 | Toxicity and bioaccumulation of Cu in an accumulator crop (<i>Lactuca sativa</i> L.) in different Australian agricultural soils. <i>Scientia Horticulturae</i> , 2015, 193, 346-352. | 1.7 | 16 |
| 2566 | Effects of redox conditions on the control of arsenic mobility in shallow alluvial aquifers on the Venetian Plain (Italy). <i>Science of the Total Environment</i> , 2015, 532, 581-594. | 3.9 | 38 |
| 2567 | Natural stressors in uncontaminated sediments of shallow freshwaters: The prevalence of sulfide, ammonia, and reduced iron. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 467-479. | 2.2 | 18 |
| 2568 | Hydrogeochemical controls on mobilization of arsenic in groundwater of a part of Brahmaputra river floodplain, India. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 154-171. | 1.0 | 41 |
| 2569 | Zinc, copper, nickel, and arsenic monitoring in natural streams using in-situ iron-manganese oxide coated stream pebbles. <i>Journal of Geochemical Exploration</i> , 2015, 158, 168-176. | 1.5 | 2 |
| 2570 | Role of phosphate and Fe-oxides on the acid-aided extraction efficiency and readsorption of As in field-aged soil. <i>Journal of Hazardous Materials</i> , 2015, 300, 161-166. | 6.5 | 10 |
| 2571 | Hydrogeochemistry of co-occurring geogenic arsenic, fluoride and iodine in groundwater at Datong Basin, northern China. <i>Journal of Hazardous Materials</i> , 2015, 300, 652-661. | 6.5 | 79 |
| 2572 | Groundwater Arsenic in India: Source, Distribution, Effects and Alternate Safe Drinking Water Sources. <i>Journal of Environmental and Earth System Science</i> , 2015, 120, 1-10. | | 11 |
| 2573 | Fate of arsenic, phosphate and ammonium plumes in a coastal aquifer affected by saltwater intrusion. <i>Journal of Contaminant Hydrology</i> , 2015, 179, 116-131. | 1.6 | 19 |
| 2574 | Health risk of arsenic in the alluvial aquifers of Lahore and Raiwind, Punjab Province, Pakistan: an investigation for safer well water. <i>Toxicological and Environmental Chemistry</i> , 2015, 97, 888-907. | 0.6 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2575 | Effects of short-term flooding on arsenic transport in groundwater system: A case study of the Datong Basin. <i>Journal of Geochemical Exploration</i> , 2015, 158, 1-9. | 1.5 | 19 |
| 2576 | Electroadsorption-Assisted Direct Determination of Trace Arsenic without Interference Using Transmission X-ray Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 8503-8509. | 3.2 | 18 |
| 2577 | Arsenate and phosphate adsorption on ferrihydrite nanoparticles. Synergetic interaction with calcium ions. <i>Chemical Geology</i> , 2015, 410, 53-62. | 1.4 | 107 |
| 2578 | Metrics for Assessing the Quality of Groundwater Used for Public Supply, CA, USA: Equivalent-Population and Area. <i>Environmental Science & Technology</i> , 2015, 49, 8330-8338. | 4.6 | 42 |
| 2579 | Elevated Concentrations of U and Co-occurring Metals in Abandoned Mine Wastes in a Northeastern Arizona Native American Community. <i>Environmental Science & Technology</i> , 2015, 49, 8506-8514. | 4.6 | 82 |
| 2580 | Electrochemical determination of inorganic mercury and arsenic—A review. <i>Biosensors and Bioelectronics</i> , 2015, 74, 895-908. | 5.3 | 111 |
| 2581 | Arsenate reduction and mobilization in the presence of indigenous aerobic bacteria obtained from high arsenic aquifers of the Hetao basin, Inner Mongolia. <i>Environmental Pollution</i> , 2015, 203, 50-59. | 3.7 | 81 |
| 2582 | Modelling of optimum conditions for bioaccumulation of As(III) and As(V) by response surface methodology (RSM). <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1986-2001. | 3.3 | 9 |
| 2583 | Distribution and enrichment of trace metals in marine sediments from the Eastern Equatorial Atlantic, off the Coast of Ghana in the Gulf of Guinea. <i>Marine Pollution Bulletin</i> , 2015, 98, 301-307. | 2.3 | 40 |
| 2584 | Arsenic and Fluoride Pollution in Water and Soils. , 2015, , 1-20. | | 2 |
| 2585 | Arsenic in Porewaters of the Unsaturated Zone of an Argentinean Watershed: Adsorption and Competition with Carbonate as Important Processes that Regulate its Concentration. <i>Aquatic Geochemistry</i> , 2015, 21, 513-534. | 1.5 | 9 |
| 2586 | Promotion of arsenic phytoextraction efficiency in the fern <i>Pteris vittata</i> by the inoculation of As-resistant bacteria: a soil bioremediation perspective. <i>Frontiers in Plant Science</i> , 2015, 6, 80. | 1.7 | 107 |
| 2587 | Arsenic toxicity effects on microbial communities and nutrient cycling in indoor experimental channels mimicking a fluvial system. <i>Aquatic Toxicology</i> , 2015, 166, 72-82. | 1.9 | 23 |
| 2588 | SERS detection of arsenic in water: A review. <i>Journal of Environmental Sciences</i> , 2015, 36, 152-162. | 3.2 | 80 |
| 2589 | Mercapto functionalized silica entrapped polyacrylamide hydrogel: Arsenic adsorption behaviour from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2015, 456, 241-245. | 5.0 | 23 |
| 2590 | Removal of arsenate by ferrihydrite via surface complexation and surface precipitation. <i>Applied Surface Science</i> , 2015, 353, 1087-1094. | 3.1 | 82 |
| 2591 | Gallium Arsenate Dihydrate under Pressure: Elastic Properties, Compression Mechanism, and Hydrogen Bonding. <i>Inorganic Chemistry</i> , 2015, 54, 7548-7554. | 1.9 | 7 |
| 2592 | Chemical Characteristics of Arsenic Contaminated Groundwater in Parts of Middle-Gangetic Plain (MGP) in Bihar, India. , 2015, , 143-160. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2593 | Effect of reductive dissolution of iron (hydr)oxides on arsenic behavior in a water-sediment system: First release, then adsorption. <i>Ecological Engineering</i> , 2015, 83, 176-183. | 1.6 | 32 |
| 2594 | Human health risk assessment from arsenic exposures in Bangladesh. <i>Science of the Total Environment</i> , 2015, 527-528, 552-560. | 3.9 | 81 |
| 2595 | Superior As(III) removal performance of hydrous MnOOH nanorods from water. <i>RSC Advances</i> , 2015, 5, 53280-53288. | 1.7 | 40 |
| 2596 | Efficient removal of arsenic from water using a granular adsorbent: Fe-Mn binary oxide impregnated chitosan bead. <i>Bioresource Technology</i> , 2015, 193, 243-249. | 4.8 | 135 |
| 2597 | Polymeric anion exchanger supported hydrated Zr(IV) oxide nanoparticles: A reusable hybrid sorbent for selective trace arsenic removal. <i>Reactive and Functional Polymers</i> , 2015, 93, 84-94. | 2.0 | 76 |
| 2598 | Simultaneous removal of arsenate and antimonate in simulated and practical water samples by adsorption onto Zn/Fe layered double hydroxide. <i>Chemical Engineering Journal</i> , 2015, 276, 365-375. | 6.6 | 141 |
| 2599 | Electrochemical detection of As(III) through mesoporous MnFe ₂ O ₄ nanocrystal clusters by square wave stripping voltammetry. <i>Electrochimica Acta</i> , 2015, 174, 1160-1166. | 2.6 | 48 |
| 2600 | Sorption of polluting metal ions on a palm tree frond sawdust studied by the means of modified carbon paste electrodes. <i>Talanta</i> , 2015, 144, 318-323. | 2.9 | 7 |
| 2601 | Culturable associated-bacteria of the sponge <i>Theonella swinhoei</i> show tolerance to high arsenic concentrations. <i>Frontiers in Microbiology</i> , 2015, 6, 154. | 1.5 | 29 |
| 2602 | Development and Validation of a Simple and Robust Method for Arsenic Speciation in Human Urine Using HPLC/ICP-MS. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 517-523. | 0.7 | 7 |
| 2603 | Sorption of arsenic on manganese dioxide synthesized by solid state reaction. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 866-873. | 0.9 | 17 |
| 2604 | Arsenic fractioning in natural solid matrices sampled in a deep groundwater body. <i>Geoderma</i> , 2015, 247-248, 88-96. | 2.3 | 12 |
| 2605 | Unravelling the fate of arsenic during re-oxidation of reduced wetland waters: Experimental constraints and environmental consequences. <i>Comptes Rendus - Geoscience</i> , 2015, 347, 304-314. | 0.4 | 7 |
| 2606 | Development and application of a HPIC-ICP-MS method for the redox arsenic speciation in river sediment pore waters. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1562-1570. | 1.6 | 16 |
| 2607 | Association of arsenic with kidney function in adolescents and young adults: Results from the National Health and Nutrition Examination Survey 2009-2012. <i>Environmental Research</i> , 2015, 140, 317-324. | 3.7 | 35 |
| 2608 | Surface complexation of antimony on kaolinite. <i>Chemosphere</i> , 2015, 119, 349-354. | 4.2 | 33 |
| 2609 | The size effect of Pt nanoparticles: a new route to improve sensitivity in electrochemical detection of As(III). <i>RSC Advances</i> , 2015, 5, 38290-38297. | 1.7 | 16 |
| 2610 | Arsenic removal from groundwater of Sivas-ÅžarkıÅŸla Plain, Turkey by electrocoagulation process: Comparing with iron plate and ball electrodes. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1096-1106. | 3.3 | 53 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2611 | Pregnant women in Timis County, Romania are exposed primarily to low-level ($10\frac{1}{4}$g/l) arsenic through residential drinking water consumption. <i>International Journal of Hygiene and Environmental Health</i> , 2015, 218, 371-379. | 2.1 | 27 |
| 2612 | Skeletal arsenic of the pre-Columbian population of Caleta Vitor, northern Chile. <i>Journal of Archaeological Science</i> , 2015, 58, 31-45. | 1.2 | 32 |
| 2613 | Adsorption of arsenic by natural pozzolan in a fixed bed: Determination of operating conditions and modeling. <i>Journal of Water Process Engineering</i> , 2015, 6, 166-173. | 2.6 | 19 |
| 2614 | Brahmaputra river basin groundwater: Solute distribution, chemical evolution and arsenic occurrences in different geomorphic settings. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 131-153. | 1.0 | 47 |
| 2615 | Regeneration of iron-based adsorptive media used for removing arsenic from groundwater. <i>Water Research</i> , 2015, 77, 85-97. | 5.3 | 41 |
| 2616 | Arsenic Contamination in Soil and Sediment in India: Sources, Effects, and Remediation. <i>Current Pollution Reports</i> , 2015, 1, 35-46. | 3.1 | 119 |
| 2617 | X-ray Accelerated Photo-Oxidation of As(III) in Solution. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2829-2833. | 1.1 | 5 |
| 2618 | Exploratory experiments to determine the effect of alternative operations on the efficiency of subsurface arsenic removal in rural Bangladesh. <i>Hydrogeology Journal</i> , 2015, 23, 19-34. | 0.9 | 11 |
| 2619 | Effects of natural organic matter on the coprecipitation of arsenic with iron. <i>Environmental Geochemistry and Health</i> , 2015, 37, 1029-1039. | 1.8 | 19 |
| 2620 | Arsenic hazard in Cambodian rice from a market-based survey with a case study of Preak Russey village, Kandal Province. <i>Environmental Geochemistry and Health</i> , 2015, 37, 757-766. | 1.8 | 11 |
| 2621 | Electrochemical oxidation and removal of arsenic using water-soluble polymers. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 151-159. | 1.5 | 23 |
| 2622 | Distinct Roles of Illite Colloid and Humic Acid in Mediating Arsenate Transport in Water-Saturated Sand Columns. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 17 |
| 2623 | A Short Review on Mitigation of Metals from Groundwater Using Dried Hyacinth Root. <i>Water Quality, Exposure, and Health</i> , 2015, 7, 423-433. | 1.5 | 2 |
| 2624 | Characteristic solutes in geothermal water from the Rehai hydrothermal system, Southwestern China. <i>Journal of Earth Science (Wuhan, China)</i> , 2015, 26, 140-148. | 1.1 | 10 |
| 2625 | Anomalous arsenic concentrations in the Āžurkov carbonate geothermal structure, eastern Slovakia. <i>Environmental Earth Sciences</i> , 2015, 73, 7103-7114. | 1.3 | 3 |
| 2626 | Origin of arsenic in Late Pleistocene to Holocene sediments in the Nawalparasi district (Terai, Nepal). <i>Environmental Earth Sciences</i> , 2015, 74, 2571-2593. | 1.3 | 24 |
| 2627 | Tracking natural and anthropogenic origins of dissolved arsenic during surface and groundwater interaction in a post-closure mining context: Isotopic constraints. <i>Journal of Contaminant Hydrology</i> , 2015, 177-178, 122-135. | 1.6 | 25 |
| 2628 | Enhanced As(III) oxidation and removal by combined use of zero valent iron and hydrogen peroxide in aerated waters at neutral pH values. <i>Journal of Hazardous Materials</i> , 2015, 297, 1-7. | 6.5 | 49 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2629 | Soil Pollution Due to Irrigation with Arsenic-Contaminated Groundwater: Current State of Science. <i>Current Pollution Reports</i> , 2015, 1, 1-12. | 3.1 | 39 |
| 2630 | A bibliometric analysis of research on arsenic in drinking water during the 1992â€“2012 period: An outlook to treatment alternatives for arsenic removal. <i>Journal of Water Process Engineering</i> , 2015, 6, 105-119. | 2.6 | 51 |
| 2631 | Graphene Aerogels Decorated with Î±-FeOOH Nanoparticles for Efficient Adsorption of Arsenic from Contaminated Waters. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9758-9766. | 4.0 | 167 |
| 2632 | Source and distribution of naturally occurring arsenic in groundwater from Albertaâ€™s Southern Oil Sands Regions. <i>Applied Geochemistry</i> , 2015, 62, 171-185. | 1.4 | 15 |
| 2633 | Heavy metal(loid) pollution in mine wastes of a Carlin-type gold mine in southwestern Guizhou, China and its environmental impacts. <i>Diqu Huaxue</i> , 2015, 34, 311-319. | 0.5 | 5 |
| 2634 | Arsenic in Soil: Availability and Interactions with Soil Microorganisms. <i>Soil Biology</i> , 2015, , 113-126. | 0.6 | 8 |
| 2635 | Hydrological Aspects of Arsenic Contamination of Groundwater in Eastern India. <i>Advances in Agronomy</i> , 2015, 132, 75-137. | 2.4 | 4 |
| 2636 | Removal of As(V) from groundwater by a new electrocoagulation reactor using Fe ball anodes: optimization of operating parameters. <i>Desalination and Water Treatment</i> , 2015, 56, 1177-1190. | 1.0 | 17 |
| 2637 | Coupled techniques for arsenic speciation in food and drinking water: a review. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 102-118. | 1.6 | 76 |
| 2638 | Arsenic Occurrence and Fate in the Environment; A Geochemical Perspective. <i>Journal of Earth Science & Climatic Change</i> , 2015, 06, . | 0.2 | 11 |
| 2639 | Achieving sub-10 ppb arsenic levels with iron based biomass-silica gel composites. <i>Chemical Engineering Journal</i> , 2015, 279, 1-8. | 6.6 | 15 |
| 2640 | Effect of Fulvic Acid on Adsorptive Removal of Cr(VI) and As(V) from Groundwater by Iron Oxide-Based Adsorbents. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 16 |
| 2641 | Groundwater pollution by arsenic and other toxic elements in an abandoned silver mine, Mexico. <i>Environmental Earth Sciences</i> , 2015, 74, 2893-2906. | 1.3 | 25 |
| 2642 | Trace metal distribution and mobility in drill cuttings and produced waters from Marcellus Shale gas extraction: Uranium, arsenic, barium. <i>Applied Geochemistry</i> , 2015, 60, 89-103. | 1.4 | 86 |
| 2643 | Arsenic in the Soil Environment: Mobility and Phytoavailability. <i>Environmental Engineering Science</i> , 2015, 32, 551-563. | 0.8 | 46 |
| 2644 | Bimetallic Nanoparticles for Arsenic Detection. <i>Analytical Chemistry</i> , 2015, 87, 5546-5552. | 3.2 | 133 |
| 2645 | Significant Enrichment of Polyunsaturated Fatty Acids (PUFAs) in the Lipids Extracted by Supercritical CO ₂ from the Livers of Australian Rock Lobsters (<i>Jasus edwardsii</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4621-4628. | 2.4 | 30 |
| 2646 | Chronic Arsenic Toxicity in Sheep of Kurdistan Province, Western Iran. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 44-53. | 2.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2647 | Marine lake as in situ laboratory for studies of organic matter influence on speciation and distribution of trace metals. <i>Continental Shelf Research</i> , 2015, 103, 1-11. | 0.9 | 4 |
| 2648 | Scorodite precipitation in the presence of antimony. <i>Chemical Geology</i> , 2015, 406, 1-9. | 1.4 | 21 |
| 2649 | Detection of trace arsenic in drinking water: challenges and opportunities for microfluidics. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 426-447. | 1.2 | 112 |
| 2650 | Fabrication and characterization of KGM-based FMBO-containing aerogels for removal of arsenite in aqueous solution. <i>RSC Advances</i> , 2015, 5, 41877-41886. | 1.7 | 14 |
| 2651 | Family-based association study of the arsenite methyltransferase gene (AS3MT, rs11191454) in Korean children with attention-deficit hyperactivity disorder. <i>Psychiatric Genetics</i> , 2015, 25, 26-30. | 0.6 | 5 |
| 2652 | As(III) adsorption and antimicrobial properties of Cu-chitosan/alumina nanocomposite. <i>Chemical Engineering Journal</i> , 2015, 273, 610-621. | 6.6 | 37 |
| 2653 | Arsenic Methylation and Volatilization by Arsenite <i>S</i> -Adenosylmethionine Methyltransferase in <i>Pseudomonas alcaligenes</i> NBRC14159. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2852-2860. | 1.4 | 84 |
| 2654 | Spatial variation, environmental risk and biological hazard assessment of heavy metals in surface sediments of the Yangtze River estuary. <i>Marine Pollution Bulletin</i> , 2015, 93, 250-258. | 2.3 | 153 |
| 2655 | Direct arsenic(ⁱⁱⁱ) sensing by a renewable gold plated Ir-based microelectrode. <i>Analyst</i> , 2015, 140, 3526-3534. | 1.7 | 34 |
| 2656 | Arsenic removal by nanoparticles: a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8094-8123. | 2.7 | 142 |
| 2657 | As(III) Adsorption and Oxidation by Metal (Hydro) Oxides Enriched on Alligator Weed Root. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 0 |
| 2658 | Vanadium: Global (bio)geochemistry. <i>Chemical Geology</i> , 2015, 417, 68-89. | 1.4 | 236 |
| 2659 | Sperm whales (<i>Physeter macrocephalus</i>), found stranded along the Adriatic coast (Southern Italy,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Ecological Indicators</i> , 2015, 58, 418-425. | 2.6 | 18 |
| 2660 | Arsenic biotransformation by cyanobacteria from mining areas: evidences from culture experiments. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18607-18615. | 2.7 | 15 |
| 2661 | Response to the Commentary on "Arsenic mobility in the arsenic-contaminated Yangzonghai Lake in China" <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 468-472. | 2.9 | 0 |
| 2662 | Heavy metals in the soils of Bloemfontein, South Africa: concentration levels and possible sources. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 439. | 1.3 | 6 |
| 2663 | Assessment of typical natural processes and human activities's™ impact on the quality of drinking water. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 659. | 1.3 | 8 |
| 2664 | What is a successful environmental geochemical study?. <i>Applied Geochemistry</i> , 2015, 63, 634-641. | 1.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2665 | Determination of total arsenic using a novel Zn-ferrite binding gel for DGT techniques: Application to the redox speciation of arsenic in river sediments. <i>Talanta</i> , 2015, 144, 890-898. | 2.9 | 18 |
| 2666 | Surface interactions of monomethylarsonic acid with hematite nanoparticles studied using ATR-FTIR: adsorption and desorption kinetics. <i>Canadian Journal of Chemistry</i> , 2015, 93, 1297-1304. | 0.6 | 10 |
| 2667 | Health risk assessment of heavy metals and metalloid in drinking water from communities near gold mines in Tarkwa, Ghana. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 397. | 1.3 | 117 |
| 2668 | Arsenate Adsorption from Aqueous Solution onto Fe(III)-Modified Crop Straw Biochars. <i>Environmental Engineering Science</i> , 2015, 32, 922-929. | 0.8 | 22 |
| 2669 | Optimization of hybrid renewable energy polygeneration system with membrane distillation for rural households in Bangladesh. <i>Energy</i> , 2015, 93, 1116-1127. | 4.5 | 48 |
| 2670 | Analytical methods for sensing of health-hazardous arsenic from biotic and abiotic natural resources. <i>Analytical Methods</i> , 2015, 7, 10088-10108. | 1.3 | 22 |
| 2671 | Arsenic Removal from Aqueous Solutions by Different <i>Bacillus</i> and <i>Lysinibacillus</i> Species. <i>Bioremediation Journal</i> , 2015, 19, 269-276. | 1.0 | 13 |
| 2672 | Development of a method for speciation of inorganic arsenic in waters using solid phase extraction and electrothermal atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 1395-1411. | 1.8 | 11 |
| 2673 | Mycorrhizal Inoculation and High Arsenic Concentrations in the Soil Increase the Survival of Soybean Plants Subjected to Strong Water Stress. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 2837-2846. | 0.6 | 7 |
| 2674 | Arsenic preoxidation and its removal from groundwater using iron coagulants. <i>Desalination and Water Treatment</i> , 2015, 56, 2105-2113. | 1.0 | 9 |
| 2675 | Hydrogeochemical overview and natural arsenic occurrence in groundwater from alpine springs (upper Valtellina, Northern Italy). <i>Journal of Hydrology</i> , 2015, 529, 1530-1549. | 2.3 | 29 |
| 2676 | Macroscopic and Spectroscopic Assessment of the Cosorption of Fe(II) with As(III) and As(V) on Al-Oxide. <i>Environmental Science & Technology</i> , 2015, 49, 13369-13377. | 4.6 | 22 |
| 2677 | Biosorption of arsenic from groundwater using <i>Vallisneria gigantea</i> plants. Kinetics, equilibrium and photophysical considerations. <i>Chemosphere</i> , 2015, 138, 383-389. | 4.2 | 26 |
| 2678 | Fate of adsorbed arsenate during phase transformation of ferrihydrite in the presence of gypsum and alkaline conditions. <i>Chemical Geology</i> , 2015, 411, 69-80. | 1.4 | 31 |
| 2679 | Arsenic Adsorption and its Fractions on Aquifer Sediment: Effect of pH, Arsenic Species, and Iron/Manganese Minerals. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 46 |
| 2680 | Geo-genic arsenic contamination in the Kerman Cenozoic Magmatic Arc, Kerman, Iran: Implications for the source identification and regional analysis. <i>Applied Geochemistry</i> , 2015, 63, 610-622. | 1.4 | 18 |
| 2681 | A Versatile Environmental Impedimetric Sensor for Ultrasensitive Determination of Persistent Organic Pollutants (POPs) and Highly Toxic Inorganic Ions. <i>Advanced Science</i> , 2015, 2, 1500013. | 5.6 | 6 |
| 2682 | Arsenic mobilization in an alluvial aquifer of the Terai region, Nepal. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 59-79. | 1.0 | 39 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2683 | Synthesis of tin oxide nanospheres under ambient conditions and their strong adsorption of As($\text{As}(\text{V})$) from water. Dalton Transactions, 2015, 44, 18207-18214. | 1.6 | 17 |
| 2684 | Characterization of the arsenite oxidizer <i>Aliihoeflea</i> sp. strain 2WW and its potential application in the removal of arsenic from groundwater in combination with Pf-ferritin. Antonie Van Leeuwenhoek, 2015, 108, 673-684. | 0.7 | 10 |
| 2685 | Co-occurrence of arsenic and fluoride in the groundwater of Punjab, Pakistan: source discrimination and health risk assessment. Environmental Science and Pollution Research, 2015, 22, 19729-19746. | 2.7 | 66 |
| 2686 | Chemical speciation and ecological risk assessment of arsenic in marine sediments from Izmir Bay (Eastern Aegean Sea). Environmental Science and Pollution Research, 2015, 22, 19951-19960. | 2.7 | 3 |
| 2687 | Arsenic in African Waters: A Review. Water, Air, and Soil Pollution, 2015, 226, 1. | 1.1 | 69 |
| 2688 | The pore surface diffusion model as a tool for rapid screening of novel nanomaterial-enhanced hybrid ion-exchange media. Environmental Science: Water Research and Technology, 2015, 1, 448-456. | 1.2 | 11 |
| 2689 | Arsenate removal from contaminated water by a highly adsorptive nanocomposite ultrafiltration membrane. New Journal of Chemistry, 2015, 39, 8263-8272. | 1.4 | 28 |
| 2690 | Predicting Redox Conditions in Groundwater at a Regional Scale. Environmental Science & Technology, 2015, 49, 9657-9664. | 4.6 | 46 |
| 2691 | Review of arsenic speciation, toxicity and metabolism in microalgae. Reviews in Environmental Science and Biotechnology, 2015, 14, 427-451. | 3.9 | 142 |
| 2692 | ^{75}As NQR studies on FeAs ₂ . Solid State Nuclear Magnetic Resonance, 2015, 71, 87-90. | 1.5 | 4 |
| 2693 | Reactive transport modeling of subsurface arsenic removal systems in rural Bangladesh. Science of the Total Environment, 2015, 537, 277-293. | 3.9 | 16 |
| 2694 | Simultaneous photooxidation and sorptive removal of As(III) by TiO ₂ supported layered double hydroxide. Journal of Environmental Management, 2015, 161, 228-236. | 3.8 | 22 |
| 2695 | Removal of arsenate and arsenite from aqueous solution by adsorption on clay minerals. Geosystem Engineering, 2015, 18, 302-311. | 0.7 | 26 |
| 2696 | Effects of a manganese oxide-modified biochar composite on adsorption of arsenic in red soil. Journal of Environmental Management, 2015, 163, 155-162. | 3.8 | 120 |
| 2697 | Arsenic in freshwater ecosystems of the Bengal delta: status, sources and seasonal variability. Toxicological and Environmental Chemistry, 2015, 97, 538-551. | 0.6 | 11 |
| 2698 | Assessing groundwater quality in Greece based on spatial and temporal analysis. Environmental Monitoring and Assessment, 2015, 187, 774. | 1.3 | 30 |
| 2699 | Arsenic speciation and diffusion flux in Danshuei Estuary sediments, Northern Taiwan. Marine Pollution Bulletin, 2015, 101, 98-109. | 2.3 | 12 |
| 2700 | Evaluation of ferrihydrite as amendment to restore an arsenic-polluted mine soil. Environmental Science and Pollution Research, 2015, 22, 6778-6788. | 2.7 | 23 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2701 | South African sands as an alternative to zero valent iron for arsenic removal from an industrial effluent: Batch experiments. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 488-498. | 3.3 | 6 |
| 2702 | Arsenic occurrence in Europe: emphasis in Greece and description of the applied full-scale treatment plants. <i>Desalination and Water Treatment</i> , 2015, 54, 2100-2107. | 1.0 | 69 |
| 2703 | Abiotic reductive extraction of arsenic from contaminated soils enhanced by complexation: Arsenic extraction by reducing agents and combination of reducing and chelating agents. <i>Journal of Hazardous Materials</i> , 2015, 283, 454-461. | 6.5 | 63 |
| 2704 | Hydrogeochemistry of high-fluoride groundwater at Yuncheng Basin, northern China. <i>Science of the Total Environment</i> , 2015, 508, 155-165. | 3.9 | 144 |
| 2705 | Concurrent removal of As(III) and As(V) using green low cost functionalized biosorbent " Saccharum officinarum bagasse. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 113-121. | 3.3 | 41 |
| 2706 | Integrated phyto-bial remediation for sustainable management of arsenic in soil and water. <i>Environment International</i> , 2015, 75, 180-198. | 4.8 | 122 |
| 2707 | Environmental geochemistry and sources of natural arsenic in the Kharaqan hot springs, Qazvin, Iran. <i>Environmental Earth Sciences</i> , 2015, 73, 5395-5404. | 1.3 | 16 |
| 2708 | Reductive dissolution of iron-oxyhydroxides directs groundwater arsenic mobilization in the upstream of Ganges River basin, Nepal. <i>Journal of Geochemical Exploration</i> , 2015, 148, 150-160. | 1.5 | 27 |
| 2709 | Removal of Arsenic (<sc>III</sc>) from groundwater applying a reusable Mg-Fe-Cl layered double hydroxide. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1160-1166. | 1.6 | 39 |
| 2710 | Regeneration of adsorbents and recovery of heavy metals: a review. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 1461-1478. | 1.8 | 325 |
| 2711 | Simultaneous removal of arsenic and fluoride by freshly-prepared aluminum hydroxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 466, 147-153. | 2.3 | 28 |
| 2712 | Enhanced reductive extraction of arsenic from contaminated soils by a combination of dithionite and oxalate. <i>Journal of Hazardous Materials</i> , 2015, 284, 19-26. | 6.5 | 43 |
| 2713 | Unraveling the effect of arsenic on the model Medicago " E nsifer interaction: a transcriptomic meta-analysis. <i>New Phytologist</i> , 2015, 205, 255-272. | 3.5 | 42 |
| 2714 | Adsorptive removal of arsenic using a novel akhtenskite coated waste goethite. <i>Journal of Cleaner Production</i> , 2015, 87, 897-905. | 4.6 | 40 |
| 2715 | Effects of nutrient and sulfate additions on As mobility in contaminated soils: A laboratory column study. <i>Chemosphere</i> , 2015, 119, 902-909. | 4.2 | 29 |
| 2716 | Secondary arsenic minerals and arsenic mobility in a historical waste rock pile at KaÅk near KutnÅj Hora, Czech Republic. <i>Mineralogy and Petrology</i> , 2015, 109, 17-33. | 0.4 | 14 |
| 2717 | Arsenic contamination, consequences and remediation techniques: A review. <i>Ecotoxicology and Environmental Safety</i> , 2015, 112, 247-270. | 2.9 | 863 |
| 2718 | Arsenic mobility and speciation in contaminated kitchen garden and lawn soils: an evaluation of water for assessment of As phytoavailability. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6164-6175. | 2.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2719 | The occurrence and dominant controls on arsenic in the Newark and Gettysburg Basins. <i>Science of the Total Environment</i> , 2015, 505, 1340-1349. | 3.9 | 16 |
| 2720 | Exploring the diversity of arsenic resistance genes from acid mine drainage microorganisms. <i>Environmental Microbiology</i> , 2015, 17, 1910-1925. | 1.8 | 37 |
| 2721 | Arsenic removal from soil with high iron content using a natural surfactant and phosphate. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 617-632. | 1.8 | 22 |
| 2722 | Effect of Fluoride on Arsenic Uptake from Arsenic-Contaminated Groundwater using <i>Pteris vittata</i> L. <i>International Journal of Phytoremediation</i> , 2015, 17, 355-362. | 1.7 | 8 |
| 2723 | Artificial neural network modelling of As(III) removal from water by novel hybrid material. <i>Chemical Engineering Research and Design</i> , 2015, 93, 249-264. | 2.7 | 42 |
| 2724 | Factors affecting temporal variability of arsenic in groundwater used for drinking water supply in the United States. <i>Science of the Total Environment</i> , 2015, 505, 1370-1379. | 3.9 | 86 |
| 2725 | Arsenic Removal from Natural Water Using Low Cost Granulated Adsorbents: A Review. <i>Clean - Soil, Air, Water</i> , 2015, 43, 13-26. | 0.7 | 81 |
| 2726 | The influence of metamorphic grade on arsenic in metasedimentary bedrock aquifers: A case study from Western New England, USA. <i>Science of the Total Environment</i> , 2015, 505, 1320-1330. | 3.9 | 18 |
| 2727 | Heterogeneous arsenic enrichment in meta-sedimentary rocks in central Maine, United States. <i>Science of the Total Environment</i> , 2015, 505, 1308-1319. | 3.9 | 20 |
| 2729 | Peat formation concentrates arsenic within sediment deposits of the Mekong Delta. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 149, 190-205. | 1.6 | 48 |
| 2730 | Impact of waterlogging on the uptake of arsenic by hyperaccumulator and tolerant plant. <i>Chemistry and Ecology</i> , 2015, 31, 53-63. | 0.6 | 9 |
| 2731 | Geothermal arsenic: Occurrence, mobility and environmental implications. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 1214-1222. | 8.2 | 88 |
| 2732 | Quality and Age of Shallow Groundwater in the Bakken Formation Production Area, Williston Basin, Montana and North Dakota. <i>Ground Water</i> , 2015, 53, 81-94. | 0.7 | 28 |
| 2733 | Design parameters affecting metals removal in horizontal constructed wetlands for domestic wastewater treatment. <i>Ecological Engineering</i> , 2015, 80, 92-99. | 1.6 | 36 |
| 2734 | Amending irrigation channels with jute-mesh structures to decrease arsenic loading to rice fields in Bangladesh. <i>Ecological Engineering</i> , 2015, 74, 101-106. | 1.6 | 12 |
| 2735 | Arsenic behavior in river sediments under redox gradient: A review. <i>Science of the Total Environment</i> , 2015, 505, 423-434. | 3.9 | 162 |
| 2736 | Mesoporous (organo) silica decorated with magnetic nanoparticles as a reusable nanoadsorbent for arsenic removal from water samples. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 36-44. | 1.2 | 21 |
| 2737 | Causal relationships among biological toxicity, geochemical conditions and derived DBPs in groundwater. <i>Journal of Hazardous Materials</i> , 2015, 283, 24-34. | 6.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2738 | Arsenic and Fluoride Variations in Groundwater of an Endorheic Basin Undergoing Land-Use Changes. Archives of Environmental Contamination and Toxicology, 2015, 68, 292-304. | 2.1 | 26 |
| 2739 | Evaluation of industrial based adsorbents for simultaneous removal of arsenic and fluoride from drinking water. Journal of Cleaner Production, 2015, 87, 882-896. | 4.6 | 106 |
| 2740 | Effect of arsenic on reflectance spectra and chlorophyll fluorescence of aquatic plants. Chemosphere, 2015, 119, 697-703. | 4.2 | 36 |
| 2741 | Source of arsenic-bearing pyrite in southwestern Vermont, USA: Sulfur isotope evidence. Science of the Total Environment, 2015, 505, 1331-1339. | 3.9 | 24 |
| 2742 | Spatial and temporal variation in arsenic in the groundwater of upstream of Ganges River Basin, Nepal. Environmental Earth Sciences, 2015, 73, 1265-1279. | 1.3 | 19 |
| 2743 | Application of a high-surface-area schwertmannite in the removal of arsenate and arsenite. International Journal of Environmental Science and Technology, 2015, 12, 1559-1568. | 1.8 | 49 |
| 2744 | Understanding abiotic ferrihydrite re-mineralization by ferrous ions. International Journal of Environmental Science and Technology, 2015, 12, 1945-1956. | 1.8 | 1 |
| 2745 | Influence of the interaction between phosphate and arsenate on periphyton's growth and its nutrient uptake capacity. Science of the Total Environment, 2015, 503-504, 122-132. | 3.9 | 38 |
| 2746 | Arsenic removal from drinking water by a household sand filter in Vietnam – Effect of filter usage practices on arsenic removal efficiency and microbiological water quality. Science of the Total Environment, 2015, 502, 526-536. | 3.9 | 50 |
| 2747 | Cumulative impacts of dissolved ionic metals on the chemical characteristics of river water affected by alkaline mine drainage from the Kuala Lipis gold mine, Pahang, Malaysia. Chemistry and Ecology, 2015, 31, 22-33. | 0.6 | 22 |
| 2748 | Arsenic Toxicity in Plants and Possible Remediation. , 2015, , 433-501. | | 31 |
| 2749 | Arsenic as Next Global Threat? Role of Biotechnological Approaches. Journal of Bioremediation & Biodegradation, 2016, 07, . | 0.5 | 0 |
| 2750 | A novel approach for flotation recovery of copper and molybdenite from a copper-arsenic ore. Metallurgical Research and Technology, 2016, 113, 103. | 0.4 | 2 |
| 2751 | Bench-Scale Flushing Experiments for Remediation of Hg-Contaminated Groundwater. Journal of Chemistry, 2016, 2016, 1-13. | 0.9 | 0 |
| 2752 | Raspodjela teÅ¼kih metala (Cd, Pb, Hg, As) i esencijalnih elemenata (Fe, Se) u Å¼umskom tlu i biljnim zajednicama drÅ¼avnog otvorenog loviÅ¼ta ĖKrnđija IIĖ•XIV/23. Sumarski List, 2016, 140, 153-153. | 0.1 | 0 |
| 2753 | Effects of <i>in Utero</i> Exposure to Arsenic during the Second Half of Gestation on Reproductive End Points and Metabolic Parameters in Female CD-1 Mice. Environmental Health Perspectives, 2016, 124, 336-343. | 2.8 | 68 |
| 2754 | Changing Trends of Skin Cancer: A Tertiary Care Hospital Study in Malwa Region of Punjab. Journal of Clinical and Diagnostic Research JCDR, 2016, 10, PC12-5. | 0.8 | 10 |
| 2755 | Arsenic Distribution in Shoots of the Halophyte Plant Species Atriplex atacamensis Growing in an Extreme Arid Mining Area from Northern Chile. Journal of Bioremediation & Biodegradation, 2016, 07, . | 0.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2756 | Distinct Function of Metal-Reducing Bacteria from Sediment and Groundwater in Controlling the Arsenic Mobilization in Sedimentary Aquifer. <i>Journal of Bioremediation & Biodegradation</i> , 2016, 07, . | 0.5 | 1 |
| 2757 | Land Reformation Using Plant Growth "Promoting Rhizobacteria in the Context of Heavy Metal Contamination. , 2016, , 499-529. | | 3 |
| 2758 | Biological Wastes the Tool for Biosorption of Arsenic. <i>Journal of Bioremediation & Biodegradation</i> , 2016, 07, . | 0.5 | 10 |
| 2759 | Effects of Arsenite Exposure during Fetal Development on Energy Metabolism and Susceptibility to Diet-Induced Fatty Liver Disease in Male Mice. <i>Environmental Health Perspectives</i> , 2016, 124, 201-209. | 2.8 | 88 |
| 2760 | Enhancing arsenic removal from groundwater at household level with naturally occurring iron. <i>Revista Ambiente & Água</i> , 2016, 11, 486. | 0.1 | 6 |
| 2761 | Relation between <i>in Utero</i> Arsenic Exposure and Birth Outcomes in a Cohort of Mothers and Their Newborns from New Hampshire. <i>Environmental Health Perspectives</i> , 2016, 124, 1299-1307. | 2.8 | 104 |
| 2762 | Screening of arsenic tolerance in rice at germination and early seedling stage as influenced by sodium arsenate. <i>Jahangirnagar University Journal of Biological Sciences</i> , 2016, 3, 17-26. | 0.2 | 1 |
| 2764 | Arsenic Transfer from As-Rich Sediments to River Water in the Presence of Biofilms. <i>Journal of Chemistry</i> , 2016, 2016, 1-14. | 0.9 | 5 |
| 2765 | Analytical Strategies for the Determination of Arsenic in Rice. <i>Journal of Chemistry</i> , 2016, 2016, 1-11. | 0.9 | 3 |
| 2766 | Geochemical and Isotopic Characterisation of Actual Lacustrine Sediments from the Hydrothermal LakeSpecchio di Venerè, Pantelleria Island (Italy). <i>Journal of Chemistry</i> , 2016, 2016, 1-11. | 0.9 | 1 |
| 2767 | Fe ₃ O ₄ /Reduced Graphene Oxide Nanocomposite: Synthesis and Its Application for Toxic Metal Ion Removal. <i>Journal of Chemistry</i> , 2016, 2016, 1-10. | 0.9 | 62 |
| 2768 | Technologies for Arsenic Removal from Water: Current Status and Future Perspectives. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 62. | 1.2 | 320 |
| 2769 | Chronic Arsenic Poisoning Probably Caused by Arsenic-Based Pesticides: Findings from an Investigation Study of a Household. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 133. | 1.2 | 37 |
| 2770 | Concentrations and Soil-To-Plant Transfer Factor of Selenium in Soil and Plant Species from an Arid Area. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 44, 052027. | 0.2 | 7 |
| 2771 | Chemical reactions of As complexation by glutathione: an XAFS study. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012088. | 0.3 | 0 |
| 2772 | Sorption of V and VI group metalloids (As, Sb, Te) on modified peat sorbents. <i>Open Chemistry</i> , 2016, 14, 46-59. | 1.0 | 13 |
| 2773 | Arbuscular mycorrhiza detoxifying response against arsenic and pathogenic fungus in soybean. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 47-56. | 2.9 | 57 |
| 2774 | A nanoparticulate liquid binding phase based DGT device for aquatic arsenic measurement. <i>Talanta</i> , 2016, 160, 225-232. | 2.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2775 | A greener approach for impressive removal of As(III)/As(V) from an ultra-low concentration using a highly efficient chitosan thiomers as a new adsorbent. RSC Advances, 2016, 6, 64946-64961. | 1.7 | 34 |
| 2776 | Adsorption Behavior and Removal Mechanism of Arsenic from Water by Fe(III)-Modified 13X Molecular Sieves. Water, Air, and Soil Pollution, 2016, 227, 1. | 1.1 | 10 |
| 2777 | Modeling the Efficiency of the Iron Coprecipitation-Filtration Process for the Removal of Arsenate at Low Initial Concentrations. Journal of Environmental Engineering, ASCE, 2016, 142, 04016047. | 0.7 | 1 |
| 2778 | Adsorption of As(III), As(V) and Cu(II) on zirconium oxide immobilized alginate beads in aqueous phase. Chemosphere, 2016, 160, 126-133. | 4.2 | 91 |
| 2779 | Arsenite accumulation in the mouse eye. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2016, 79, 339-341. | 1.1 | 16 |
| 2780 | Arsenic trophodynamics along the food chains/webs of different ecosystems: a review. Chemistry and Ecology, 2016, 32, 803-828. | 0.6 | 29 |
| 2781 | Investigating the Roles of Dissolved Organic Matter on Arsenic Mobilization and Speciation in Environmental Water. Clean - Soil, Air, Water, 2016, 44, 818-828. | 0.7 | 13 |
| 2782 | Arsenic and heavy metal contaminations in the tube well water of Punjab, Pakistan and risk assessment: A case study. Ecological Engineering, 2016, 95, 90-100. | 1.6 | 96 |
| 2783 | Attenuative role of mangiferin in oxidative stress-mediated liver dysfunction in arsenic-intoxicated murines. BioFactors, 2016, 42, 515-532. | 2.6 | 48 |
| 2784 | Impact of carbon nanotubes on the toxicity of inorganic arsenic [As(III) and As(V)] to <i>Daphnia magna</i> : The role of certain arsenic species. Environmental Toxicology and Chemistry, 2016, 35, 1852-1859. | 2.2 | 24 |
| 2785 | Arsenic stress after the Proterozoic glaciations. Scientific Reports, 2016, 5, 17789. | 1.6 | 30 |
| 2786 | Arsenic and Cadmium Contamination in Water, Sediments and Fish is a Consequence of Paddy Cultivation: Evidence of River Pollution in Sri Lanka. Achievements in the Life Sciences, 2016, 10, 144-160. | 1.3 | 32 |
| 2787 | Adsorption mechanism of As(V) and As(III) on Fe-Mn binary oxides in synthetic and real water matrices. Water Science and Technology: Water Supply, 2016, 16, 992-1001. | 1.0 | 7 |
| 2788 | Competition of Various Ions Present in Shallow Aquifer Water in Respect of Arsenic Removal by Hydrated Ferric Oxide. Asian Journal of Water, Environment and Pollution, 2016, 12, 25-33. | 0.4 | 1 |
| 2789 | Removal of Arsenic from Coal Fly Ash Leachate Using Manganese Coated Sand. , 2016, , . | | 1 |
| 2790 | Removal of Chromium, Copper, and Arsenic from Contaminated Water Using Manganese Oxide Based Adsorbents. , 2016, , . | | 0 |
| 2791 | Optimization of simultaneous biosorption and bioaccumulation (SBB) system: a potential method for removal of As(III) and As (V) ions from wastewater. Materials Today: Proceedings, 2016, 3, 3200-3221. | 0.9 | 1 |
| 2792 | Chapter 3 Principles of Integrated Design. , 2016, , 69-106. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2793 | Chapter 7 In Situ Treatment of Metals. , 2016, , 323-412. | | 0 |
| 2794 | Chapter 9 Simultaneous Removal of Chromium and Arsenate A Case Study Using Ferrous Iron. Advances in Industrial and Hazardous Wastes Treatment Series, 2016, , 289-338. | 0.0 | 0 |
| 2795 | Chapter 12 Adsorptive Removal of Arsenic from Water Sources Using Novel Nanocomposite Mixed Matrix Membranes. Advances in Industrial and Hazardous Wastes Treatment Series, 2016, , 413-438. | 0.0 | 0 |
| 2796 | Chapter 8 Arsenic in the Environment Source, Characteristics, and Technologies for Pollution Elimination. Advances in Industrial and Hazardous Wastes Treatment Series, 2016, , 255-288. | 0.0 | 0 |
| 2797 | ARSENIC: A Review on Exposure Pathways, Accumulation, Mobility and Transmission into the Human Food Chain. Reviews of Environmental Contamination and Toxicology, 2016, 243, 27-51. | 0.7 | 25 |
| 2798 | Impacts of Surface Site Coordination on Arsenate Adsorption: Macroscopic Uptake and Binding Mechanisms on Aluminum Hydroxide Surfaces. Langmuir, 2016, 32, 13261-13269. | 1.6 | 17 |
| 2799 | Chapter 2 Nano-Bioremediation Applications of Nanotechnology for Bioremediation. Advances in Industrial and Hazardous Wastes Treatment Series, 2016, , 27-48. | 0.0 | 10 |
| 2800 | Distribution and enrichment of trace metals and arsenic at the upper layer of sediments from Lerma River in La Piedad, Mexico: case history. Environmental Earth Sciences, 2016, 75, 1. | 1.3 | 8 |
| 2801 | Role of microbial reducing activity in antimony and arsenic release from an unpolluted wetland soil: a lab scale study using sodium azide as a microbial inhibiting agent. Environmental Chemistry, 2016, 13, 945. | 0.7 | 7 |
| 2802 | Both Phosphorus Fertilizers and Indigenous Bacteria Enhance Arsenic Release into Groundwater in Arsenic-Contaminated Aquifers. Journal of Agricultural and Food Chemistry, 2016, 64, 2214-2222. | 2.4 | 38 |
| 2803 | Adaptive responses and arsenic transformation potential of diazotrophic Cyanobacteria isolated from rice fields of arsenic affected Bengal Delta Plain. Journal of Applied Phycology, 2016, 28, 2777-2792. | 1.5 | 15 |
| 2804 | Thermally Released Arsenic in Porewater from Sediments in the Cold Lake Area of Alberta, Canada. Environmental Science & Technology, 2016, 50, 2191-2199. | 4.6 | 16 |
| 2805 | In Situ Oxidation and Efficient Simultaneous Adsorption of Arsenite and Arsenate by Mgâ€“Feâ€“LDH with Persulfate Intercalation. Water, Air, and Soil Pollution, 2016, 227, 1. | 1.1 | 16 |
| 2806 | Potential for leaching of arsenic from excavated rock after different drying treatments. Chemosphere, 2016, 154, 276-282. | 4.2 | 30 |
| 2807 | Predictive approach for simultaneous biosorption and bioaccumulation of arsenic by Corynebacterium glutamicum MTCC 2745 biofilm supported on NL/MnFe 2 O 4 composite. Journal of Water Process Engineering, 2016, 11, 8-31. | 2.6 | 14 |
| 2808 | Differential pulse anodic stripping voltammetry for detection of As (III) by Chitosan-Fe(OH)3 modified glassy carbon electrode: A new approach towards speciation of arsenic. Talanta, 2016, 158, 235-245. | 2.9 | 66 |
| 2809 | Geochemistry of naturally occurring arsenic in groundwater and surface-water in the southern part of the PoopÃ³ Lake basin, Bolivian Altiplano. Groundwater for Sustainable Development, 2016, 2-3, 104-116. | 2.3 | 29 |
| 2810 | Aminated glycidyl methacrylates as a support media for goethite nanoparticle enabled hybrid sorbents for arsenic removal: From copolymer synthesis to full-scale system modeling. Resource-efficient Technologies, 2016, 2, 15-22. | 0.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2811 | Bioaccumulation Dynamics of Arsenate at the Base of Aquatic Food Webs. <i>Environmental Science & Technology</i> , 2016, 50, 6556-6564. | 4.6 | 25 |
| 2812 | Trace element geochemical evolution and groundwater origin in North Rukuru "Songwe alluvial aquifer of northern Malawi. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 5 |
| 2813 | Photooxidation of arsenic(III) in the presence of fulvic acid. <i>Mendeleev Communications</i> , 2016, 26, 266-268. | 0.6 | 16 |
| 2814 | Radiation induced emulsion graft polymerization of 4-vinylpyridine onto PE/PP nonwoven fabric for As(V) adsorption. <i>Radiation Physics and Chemistry</i> , 2016, 127, 13-20. | 1.4 | 28 |
| 2815 | Sensitive determination of As (III) and As (V) by magnetic solid phase extraction with Fe@polyethyleneimine in combination with hydride generation atomic fluorescence spectrometry. <i>Talanta</i> , 2016, 156-157, 196-203. | 2.9 | 28 |
| 2816 | Arsenate toxicity and metabolism in the halotolerant microalga <i>Dunaliella salina</i> under various phosphate regimes. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 735-743. | 1.7 | 14 |
| 2817 | Utilization of co-existing iron in arsenic removal from groundwater by oxidation-coagulation at optimized pH. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2683-2691. | 3.3 | 40 |
| 2818 | Chitosan-modified vermiculite for As(III) adsorption from aqueous solution: Equilibrium, thermodynamic and kinetic studies. <i>Journal of Molecular Liquids</i> , 2016, 219, 937-945. | 2.3 | 144 |
| 2819 | Arsenic Speciation in Bituminous Coal Fly Ash and Transformations in Response to Redox Conditions. <i>Environmental Science & Technology</i> , 2016, 50, 6099-6106. | 4.6 | 35 |
| 2820 | Variability in the chemistry of private drinking water supplies and the impact of domestic treatment systems on water quality. <i>Environmental Geochemistry and Health</i> , 2016, 38, 1313-1332. | 1.8 | 28 |
| 2821 | Total arsenic in selected food samples from Argentina: Estimation of their contribution to inorganic arsenic dietary intake. <i>Food Chemistry</i> , 2016, 210, 96-101. | 4.2 | 37 |
| 2822 | Novel chitosan goethite bionanocomposite beads for arsenic remediation. <i>Water Research</i> , 2016, 101, 1-9. | 5.3 | 99 |
| 2823 | Arsenic speciation and kinetic release simulation of stream sediment contaminated by gold mining. <i>Journal of Soils and Sediments</i> , 2016, 16, 1121-1129. | 1.5 | 7 |
| 2824 | Contrasting regional and national mechanisms for predicting elevated arsenic in private wells across the United States using classification and regression trees. <i>Water Research</i> , 2016, 91, 295-304. | 5.3 | 21 |
| 2825 | Peat Bogs as Hotspots for Organoarsenical Formation and Persistence. <i>Environmental Science & Technology</i> , 2016, 50, 4314-4323. | 4.6 | 18 |
| 2826 | Environmental effects on arsenosugars and arsenolipids in <i>Ectocarpus</i> (Phaeophyta). <i>Environmental Chemistry</i> , 2016, 13, 21. | 0.7 | 31 |
| 2827 | Mobilization of High Arsenic in the Shallow Groundwater of Kalaroa, South-Western Bangladesh. <i>Exposure and Health</i> , 2016, 8, 159-175. | 2.8 | 7 |
| 2828 | Assessment of heavy metals and arsenic contamination in the sediments of the Moulouya River and the Hassan II Dam downstream of the abandoned mine Zedda (High Moulouya, Morocco). <i>Journal of African Earth Sciences</i> , 2016, 119, 279-288. | 0.9 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2829 | Natural Arsenic in Global Groundwaters: Distribution and Geochemical Triggers for Mobilization. <i>Current Pollution Reports</i> , 2016, 2, 68-89. | 3.1 | 177 |
| 2830 | Control factors of the spatial distribution of arsenic and other associated elements in loess soils and waters of the southern Pampa (Argentina). <i>Catena</i> , 2016, 140, 205-216. | 2.2 | 23 |
| 2831 | Supermacroporous hybrid polymeric cryogels for efficient removal of metallic contaminants and microbes from water. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 636-645. | 1.8 | 16 |
| 2832 | The fate of arsenic adsorbed on iron oxides in the presence of arsenite-oxidizing bacteria. <i>Chemosphere</i> , 2016, 151, 108-115. | 4.2 | 15 |
| 2833 | Potential human health risks from metals and As via <i>Odontesthes bonariensis</i> consumption and ecological risk assessments in a eutrophic lake. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 302-310. | 2.9 | 43 |
| 2834 | Real-Time Detection of Arsenic Cations from Ambient Air in Boreal Forest and Lake Environments. <i>Environmental Science and Technology Letters</i> , 2016, 3, 42-46. | 3.9 | 12 |
| 2835 | Manganese and iron oxide-coated redox bars as a tool to in situ study the element sorption in wet soils. <i>Journal of Soils and Sediments</i> , 2016, 16, 976-986. | 1.5 | 11 |
| 2836 | Iron-based magnetic nanomaterials and their environmental applications. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 783-826. | 6.6 | 61 |
| 2837 | Simultaneously removal of inorganic arsenic species from stored rainwater in arsenic endemic area by leaves of <i>Tecomella undulata</i> : a multivariate study. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15149-15163. | 2.7 | 8 |
| 2838 | Arsenate removal using a hybrid system of adsorbents and a microfiltration membrane. <i>Desalination and Water Treatment</i> , 2016, 57, 29439-29447. | 1.0 | 1 |
| 2839 | Exploring Arsenic Adsorption at low Concentration onto Modified Leonardite. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 1.1 | 7 |
| 2840 | Sources and controls for elevated arsenic concentrations in groundwater of Datong Basin, Northern China. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 9 |
| 2841 | Arsenic levels in the groundwater of Korea and the urinary excretion among contaminated area. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 458-463. | 1.8 | 13 |
| 2842 | Major controlling factors and prediction models for arsenic uptake from soil to wheat plants. <i>Ecotoxicology and Environmental Safety</i> , 2016, 130, 256-262. | 2.9 | 32 |
| 2843 | Salinity influences the biochemical response of <i>Crassostrea angulata</i> to Arsenic. <i>Environmental Pollution</i> , 2016, 214, 756-766. | 3.7 | 42 |
| 2844 | Spatial and seasonal changes of arsenic species in Lake Taihu in relation to eutrophication. <i>Science of the Total Environment</i> , 2016, 563-564, 496-505. | 3.9 | 62 |
| 2845 | Distribution patterns and possible influencing factors of As speciation in ornithogenic sediments from the Ross Sea region, East Antarctica. <i>Science of the Total Environment</i> , 2016, 553, 466-473. | 3.9 | 6 |
| 2846 | Arsenic Induction of Metallothionein and Metallothionein Induction Against Arsenic Cytotoxicity. <i>Reviews of Environmental Contamination and Toxicology</i> , 2016, 240, 151-168. | 0.7 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2847 | In-situ characterization and assessment of arsenic mobility in lake sediments. <i>Environmental Pollution</i> , 2016, 214, 314-323. | 3.7 | 50 |
| 2848 | The origin of groundwater arsenic and fluorine in a volcanic sedimentary basin in central Mexico: a hydrochemistry hypothesis. <i>Hydrogeology Journal</i> , 2016, 24, 1029-1044. | 0.9 | 29 |
| 2849 | Nanostructured and Selective Filter To Improve Detection of Arsenic on Surface Plasmon Nanosensors. <i>ACS Sensors</i> , 2016, 1, 725-731. | 4.0 | 12 |
| 2850 | Robust and direct electrochemical sensing of arsenic using zirconia nanocubes. <i>Analyst</i> , The, 2016, 141, 4211-4218. | 1.7 | 61 |
| 2851 | Arsenic and other heavy metal accumulation in plants and algae growing naturally in contaminated area of West Bengal, India. <i>Ecotoxicology and Environmental Safety</i> , 2016, 130, 224-233. | 2.9 | 71 |
| 2852 | An overview of preparation and applications of stabilized zero-valent iron nanoparticles for soil and groundwater remediation. <i>Water Research</i> , 2016, 100, 245-266. | 5.3 | 530 |
| 2853 | Using Fe-Mn binary oxide three-dimensional nanostructure to remove arsenic from aqueous systems. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 516-524. | 1.0 | 3 |
| 2854 | Redox processes and occurrence of arsenic in a volcanic aquifer system of Kumamoto Area, Japan. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 16 |
| 2855 | Transference factors as a tool for the estimation of arsenic milk concentration. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16329-16335. | 2.7 | 10 |
| 2856 | Zirconium/PVA modified flat-sheet PVDF membrane as a cost-effective adsorptive and filtration material: A case study on decontamination of organic arsenic in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2016, 477, 191-200. | 5.0 | 26 |
| 2857 | Arsenic contamination of groundwater and agricultural soil irrigated with the groundwater in Mekong Delta, Vietnam. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 20 |
| 2858 | Mesoporous Magnesium Oxide Hollow Spheres as Superior Arsenite Adsorbent: Synthesis and Adsorption Behavior. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25306-25312. | 4.0 | 69 |
| 2859 | Transgenerational Reproductive Effects of Arsenite Are Associated with H3K4 Dimethylation and SPR-5 Downregulation in <i>Caenorhabditis elegans</i> . <i>Environmental Science & Technology</i> , 2016, 50, 10673-10681. | 4.6 | 46 |
| 2860 | Superparamagnetic iron oxide nanoparticle-loaded polyacrylonitrile nanofibers with enhanced arsenate removal performance. <i>Environmental Science: Nano</i> , 2016, 3, 1165-1173. | 2.2 | 17 |
| 2861 | Fenton-Like Catalysis and Oxidation/Adsorption Performances of Acetaminophen and Arsenic Pollutants in Water on a Multimetal Cu-Zn-Fe-LDH. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25343-25352. | 4.0 | 89 |
| 2862 | Investigating Arsenic Contents in Surface and Drinking Water by Voltammetry and the Method of Standard Additions. <i>Journal of Chemical Education</i> , 2016, 93, 1945-1950. | 1.1 | 14 |
| 2863 | Hydrogeochemical processes controlling groundwater quality around Bomboré gold mineralized zone, Central Burkina Faso. <i>Journal of Geochemical Exploration</i> , 2016, 170, 58-71. | 1.5 | 40 |
| 2864 | Inorganic arsenic speciation in water samples by miniaturized solid phase microextraction using a new polystyrene polydimethyl siloxane polymer in micropipette tip of syringe system. <i>Talanta</i> , 2016, 161, 450-458. | 2.9 | 50 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2865 | Influence of epipsammic biofilm on the biogeochemistry of arsenic in freshwater environments. <i>Biogeochemistry</i> , 2016, 129, 291-306. | 1.7 | 10 |
| 2866 | Influence of multi-step washing using Na ₂ EDTA, oxalic acid and phosphoric acid on metal fractionation and spectroscopy characteristics from contaminated soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23123-23133. | 2.7 | 18 |
| 2867 | Magnetite (Fe ₃ O ₄) nanoparticles as adsorbents for As and Cu removal. <i>Applied Clay Science</i> , 2016, 134, 128-135. | 2.6 | 99 |
| 2868 | Carbon fibers modified with molybdenum for sorption of arsenic(V). <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 727-731. | 0.1 | 3 |
| 2869 | Arsenic bioaccumulation and biotransformation in deep-sea hydrothermal vent organisms from the PACMANUS hydrothermal field, Manus Basin, PNG. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 117, 95-106. | 0.6 | 10 |
| 2870 | Potential aquifer vulnerability in regions down-gradient from uranium in situ recovery (ISR) sites. <i>Journal of Environmental Management</i> , 2016, 183, 67-83. | 3.8 | 42 |
| 2871 | Concentrations of inorganic arsenic in groundwater, agricultural soils and subsurface sediments from the middle Gangetic plain of Bihar, India. <i>Science of the Total Environment</i> , 2016, 573, 1103-1114. | 3.9 | 54 |
| 2872 | Root Iron Plaque on Wetland Plants as a Dynamic Pool of Nutrients and Contaminants. <i>Advances in Agronomy</i> , 2016, 138, 1-96. | 2.4 | 126 |
| 2873 | As(V) removal using a magnetic layered double hydroxide composite. <i>Separation Science and Technology</i> , 2016, 51, 2948-2957. | 1.3 | 9 |
| 2874 | Competitive Adsorption of As(III) and As(V) by Ferrihydrite: Equilibrium, Kinetics, and Surface Complexation. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 1.1 | 15 |
| 2875 | Rare earth and trace element signatures for assessing an impact of rock mining and processing on the environment: WiÅniÅwka case study, south-central Poland. <i>Environmental Science and Pollution Research</i> , 2016, 23, 24943-24959. | 2.7 | 65 |
| 2876 | Phytofiltration of Metal(loid)-Contaminated Water: The Potential of Native Aquatic Plants. , 2016, , 305-343. | | 2 |
| 2877 | Treatment of groundwater containing Mn(II), Fe(II), As(III) and Sb(III) by bioaugmented quartz-sand filters. <i>Water Research</i> , 2016, 106, 126-134. | 5.3 | 73 |
| 2878 | Metal Oxides: Nanostructured Metal Oxides for Gas Sensing Applications. , 2016, , 552-567. | | 0 |
| 2879 | The effects of arsenic contaminated drinking water of livestock on its total levels in milk samples of different cattle: Risk assessment in children. <i>Chemosphere</i> , 2016, 165, 427-433. | 4.2 | 25 |
| 2880 | Novel method of vulnerability assessment of simple landfills area using the multimedia, multipathway and multireceptor risk assessment (3MRA) model, China. <i>Waste Management and Research</i> , 2016, 34, 1099-1108. | 2.2 | 2 |
| 2881 | Human health risk assessment for arsenic: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 1529-1583. | 6.6 | 61 |
| 2882 | Arsenate reductase from <i>Thermus thermophilus</i> conjugated to polyethylene glycol-stabilized gold nanospheres allow trace sensing and speciation of arsenic ions. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160629. | 1.5 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2883 | Lepidocrocite-catalyzed Mn(II) oxygenation by air and its effect on the oxidation and mobilization of As(III). <i>Applied Geochemistry</i> , 2016, 72, 34-41. | 1.4 | 13 |
| 2884 | As(V)/Cr(VI) pollution control in soils, hemp waste, and other by-products: competitive sorption trials. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19182-19192. | 2.7 | 13 |
| 2885 | Arsenic sorption to nanoparticulate mackinawite (FeS): An examination of phosphate competition. <i>Environmental Pollution</i> , 2016, 218, 111-117. | 3.7 | 115 |
| 2886 | Bioaccumulation of As(III)/As(V) ions by living cells of <i>Corynebacterium glutamicum</i> MTCC 2745. <i>Separation Science and Technology</i> , 2016, 51, 2970-2990. | 1.3 | 4 |
| 2887 | Arsenic accumulation in rice: Consequences of rice genotypes and management practices to reduce human health risk. <i>Environment International</i> , 2016, 96, 139-155. | 4.8 | 101 |
| 2888 | Effect of postmining land use on the spatial distribution of metal(loid)s and their transport in agricultural soils: Analysis of a case study of Chungyang, South Korea. <i>Journal of Geochemical Exploration</i> , 2016, 170, 157-166. | 1.5 | 24 |
| 2889 | Arsenic toxicity to <i>Chlorella pyrenoidosa</i> and its phycoremediation. <i>Acta Ecologica Sinica</i> , 2016, 36, 256-268. | 0.9 | 13 |
| 2890 | River bank geomorphology controls groundwater arsenic concentrations in aquifers adjacent to the Red River, Hanoi Vietnam. <i>Water Resources Research</i> , 2016, 52, 6321-6334. | 1.7 | 57 |
| 2891 | Tuning Gold Nanoparticle Aggregation through the Inhibition of Acid Phosphatase Bioactivity: A Plasmonic Sensor for Light-Dependent Visual Detection of Arsenate (As ^V). <i>ChemPlusChem</i> , 2016, 81, 1147-1151. | 1.3 | 15 |
| 2892 | A Review and Evaluation of the Impacts of Climate Change on Geogenic Arsenic in Groundwater from Fractured Bedrock Aquifers. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 1.1 | 47 |
| 2893 | Influence of iron-rich water treatment residues and compost on the mobility of metal(loid)s in mine soils. <i>Geoderma</i> , 2016, 283, 1-9. | 2.3 | 31 |
| 2894 | Determination of total arsenic and arsenic species in drinking water, surface water, wastewater, and snow from Wielkopolska, Kujawy-Pomerania, and Lower Silesia provinces, Poland. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 504. | 1.3 | 47 |
| 2895 | Sulphide mineral evolution and metal mobility during alteration of the oceanic crust: Insights from ODP Hole 1256D. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 193, 132-159. | 1.6 | 39 |
| 2896 | Biosorptive Performance of <i>Bacillus arsenicus</i> MTCC 4380 Biofilm Supported on Sawdust/MnFe ₂ O ₄ Composite for the Removal of As(III) and As(V). <i>Water Conservation Science and Engineering</i> , 2016, 1, 103-125. | 0.9 | 4 |
| 2897 | Multielemental speciation analysis by advanced hyphenated technique – HPLC/ICP-MS: A review. <i>Talanta</i> , 2016, 161, 177-204. | 2.9 | 112 |
| 2898 | Treatment of strongly acidic wastewater with high arsenic concentrations by ferrous sulfide (FeS): Inhibitive effects of S(0)-enriched surfaces. <i>Chemical Engineering Journal</i> , 2016, 304, 986-992. | 6.6 | 74 |
| 2899 | Effect of river proximity on the arsenic and fluoride distribution in the aquifers of the Brahmaputra Floodplains, Assam, Northeast India. <i>Groundwater for Sustainable Development</i> , 2016, 2-3, 130-142. | 2.3 | 43 |
| 2900 | Characterization of <i>Roseomonas</i> and <i>Nocardioides</i> spp. for arsenic transformation. <i>Journal of Hazardous Materials</i> , 2016, 318, 742-750. | 6.5 | 42 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2901 | Toxicity of Arsenic to <i>Photobacterium phosphoreum</i> , <i>Daphnia magna</i> , and <i>Danio rerio</i> at Different pH Levels. <i>Clean - Soil, Air, Water</i> , 2016, 44, 72-77. | 0.7 | 7 |
| 2902 | Arsenic Mobilization from Historically Contaminated Mining Soils in a Continuously Operated Bioreactor: Implications for Risk Assessment. <i>Environmental Science & Technology</i> , 2016, 50, 9124-9132. | 4.6 | 10 |
| 2903 | Disposal Problem of Arsenic Sludge Generated During Arsenic Removal from Drinking Water. <i>Procedia Environmental Sciences</i> , 2016, 35, 943-949. | 1.3 | 35 |
| 2904 | Assessment of barite of Lasbela, Balochistan, Pakistan, as drilling mud and environmental impact of associated Pb, As, Hg, Cd and Sr. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 8 |
| 2905 | Groundwater quality in alluvial and proluvial areas under the influence of irrigated agriculture activities. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 1197-1204. | 0.9 | 3 |
| 2906 | Terrestrial Invertebrate Arsenic Accumulation Associated With an Arsenic Hyperaccumulating Fern, <i>Pteris vittata</i> (Polypodiales: Pteridaceae). <i>Environmental Entomology</i> , 2016, 45, 1306-1315. | 0.7 | 6 |
| 2907 | Potential risk assessment in stream sediments, soils and waters after remediation in an abandoned W>Sn mine (NE Portugal). <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 135-145. | 2.9 | 23 |
| 2908 | Applications of egg shell and egg shell membrane as adsorbents: A review. <i>Journal of Molecular Liquids</i> , 2016, 223, 376-387. | 2.3 | 210 |
| 2909 | Evaluating Hydrogeological and Topographic Controls on Groundwater Arsenic Contamination in the Middle-Ganga Plain in India: Towards Developing Sustainable Arsenic Mitigation Models. , 2016, , 263-287. | | 8 |
| 2910 | Arsenic mobilization in an oxidizing alkaline groundwater: Experimental studies, comparison and optimization of geochemical modeling parameters. <i>Applied Geochemistry</i> , 2016, 72, 97-112. | 1.4 | 2 |
| 2911 | A property-performance correlation and mass transfer study of As(v) adsorption on three mesoporous aluminas. <i>RSC Advances</i> , 2016, 6, 80630-80639. | 1.7 | 6 |
| 2913 | Genetic identification of arsenate reductase and arsenite oxidase in redox transformations carried out by arsenic metabolising prokaryotes " A comprehensive review. <i>Chemosphere</i> , 2016, 163, 400-412. | 4.2 | 56 |
| 2914 | Evaluation of trace metal levels in surface water and sediments of the Hungarian upper section of the Danube River and its tributaries. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 1248-1261. | 0.9 | 1 |
| 2915 | Mapping arsenopyrite alteration in a quartz vein-hosted gold deposit using microbeam analytical techniques. <i>Mineralogical Magazine</i> , 2016, 80, 739-748. | 0.6 | 7 |
| 2916 | Assessing the Geological Sources of Manganese in the Roanoke River Watershed, Virginia. <i>Environmental and Engineering Geoscience</i> , 0, , 1078-7275.EEG-1740. | 0.3 | 2 |
| 2917 | Arsenic Speciation by Sequential Extraction from As-Fe Precipitates Formed Under Different Coagulation Conditions. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 1.1 | 8 |
| 2918 | Ionic molal conductivities, activity coefficients, and dissociation constants of HAsO ₄ ²⁻ and H ₂ AsO ₄ ⁻ from 5 to 90 °C and ionic strengths from 0.001 up to 3 mol kg ⁻¹ and applications in natural systems. <i>Chemical Geology</i> , 2016, 441, 177-190. | 1.4 | 13 |
| 2919 | Preparation and characterization of polysulfone/organoclay adsorptive nanocomposite membrane for arsenic removal from contaminated water. <i>Applied Clay Science</i> , 2016, 132-133, 611-620. | 2.6 | 60 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2920 | Fluoride and Arsenic in Groundwater: Occurrence and Geochemical Processes Controlling Mobilisation. , 2016, , 351-369. | | 1 |
| 2922 | In Situ Magnetite Formation and Long-Term Arsenic Immobilization under Advective Flow Conditions. Environmental Science & Technology, 2016, 50, 10162-10171. | 4.6 | 38 |
| 2923 | Effects of Manganese Oxide on Arsenic Reduction and Leaching from Contaminated Floodplain Soil. Environmental Science & Technology, 2016, 50, 9251-9261. | 4.6 | 39 |
| 2924 | Interactions of Water Quality and Integrated Groundwater Management: Examples from the United States and Europe. , 2016, , 347-376. | | 2 |
| 2925 | Geochemical mobility of arsenic in the surficial waters from Argentina. Environmental Earth Sciences, 2016, 75, 1. | 1.3 | 9 |
| 2926 | Seasonal contamination of surface waters close to an abandoned Sn-W mine, northeast Portugal. Environmental Earth Sciences, 2016, 75, 1. | 1.3 | 4 |
| 2927 | Arsenic hyperaccumulating fern: Implications for remediation of arsenic contaminated soils. Geoderma, 2016, 284, 132-143. | 2.3 | 76 |
| 2928 | Assessment of processes controlling the regional distribution of fluoride and arsenic in groundwater of the Pampeano Aquifer in the Del Azul Creek basin (Argentina). Journal of Hydrology, 2016, 541, 1067-1087. | 2.3 | 57 |
| 2929 | The impacts of As accumulation under different pH levels: Comparing Ruditas decussatus and Ruditas philippinarum biochemical performance. Environmental Research, 2016, 151, 653-662. | 3.7 | 27 |
| 2930 | Bioavailability and risk assessment of arsenic in surface sediments of the Yangtze River estuary. Marine Pollution Bulletin, 2016, 113, 125-131. | 2.3 | 18 |
| 2931 | Coupling fractionation and batch desorption to understand arsenic and fluoride co-contamination in the aquifer system. Chemosphere, 2016, 164, 657-667. | 4.2 | 50 |
| 2932 | Pomegranate protects against arsenic-induced p53-dependent ROS-mediated inflammation and apoptosis in liver cells. Journal of Nutritional Biochemistry, 2016, 38, 25-40. | 1.9 | 76 |
| 2933 | Electrochemical and spectroscopic insights of interactions between alizarin red S and arsenite ions. RSC Advances, 2016, 6, 93162-93168. | 1.7 | 16 |
| 2934 | Validation of an updated fractionation and indirect speciation procedure for inorganic arsenic in oxic and suboxic soils and sediments. Environmental Pollution, 2016, 219, 1102-1108. | 3.7 | 4 |
| 2935 | Soil-to-plant transfer of arsenic and phosphorus along a contamination gradient in the mining-impacted Ogosta River floodplain. Science of the Total Environment, 2016, 572, 742-754. | 3.9 | 21 |
| 2936 | Chemical controls on abiotic and biotic release of geogenic arsenic from Pleistocene aquifer sediments to groundwater. Environmental Sciences: Processes and Impacts, 2016, 18, 1090-1103. | 1.7 | 27 |
| 2937 | Efficient removal of arsenate by a surface functionalized chelating fiber based on polyacrylonitrile. Environmental Progress and Sustainable Energy, 2016, 35, 1634-1641. | 1.3 | 3 |
| 2938 | Arsenic distribution in waters and its geochemical behavior in sediment of Mahanadi estuary in India. Environmental Monitoring and Assessment, 2016, 188, 461. | 1.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2939 | Arsenic methylation by an arsenite S-adenosylmethionine methyltransferase from <i>Spirulina platensis</i> . <i>Journal of Environmental Sciences</i> , 2016, 49, 162-168. | 3.2 | 34 |
| 2940 | Arsenic entrapment by nanocrystals of Al-magnetite: The role of Al in crystal growth and As retention. <i>Chemosphere</i> , 2016, 158, 91-99. | 4.2 | 16 |
| 2941 | Effect of hydroquinone-induced iron reduction on the stability of scorodite and arsenic mobilization. <i>Hydrometallurgy</i> , 2016, 164, 228-237. | 1.8 | 33 |
| 2942 | Elevated levels of arsenic and trace metals in drinking water of Tehsil Mailsi, Punjab, Pakistan. <i>Journal of Geochemical Exploration</i> , 2016, 169, 89-99. | 1.5 | 69 |
| 2943 | Predicting Arsenic in Drinking Water Wells of the Central Valley, California. <i>Environmental Science & Technology</i> , 2016, 50, 7555-7563. | 4.6 | 60 |
| 2944 | Comment on "Thermally Released Arsenic in Porewater from Sediments in the Cold Lake Area of Alberta, Canada". <i>Environmental Science & Technology</i> , 2016, 50, 7263-7264. | 4.6 | 5 |
| 2945 | Amorphous nanosized Al-Ti-Mn trimetal hydrous oxides: synthesis, characterization and enhanced performance in arsenic removal. <i>RSC Advances</i> , 2016, 6, 100732-100742. | 1.7 | 23 |
| 2946 | Behaviour and mobility of arsenic in a Mexican hydrosystem impacted by past mining activities. <i>Arsenic in the Environment Proceedings</i> , 2016, , 191-192. | 0.0 | 0 |
| 2947 | Toxicological risk assessment in CO ₂ capture and storage technology. <i>International Journal of Greenhouse Gas Control</i> , 2016, 55, 118-143. | 2.3 | 24 |
| 2948 | Sedimentary controls on arsenic mobilization in groundwater of aquifers in the Brahmaputra River Valley in Assam. <i>Arsenic in the Environment Proceedings</i> , 2016, , 68-69. | 0.0 | 0 |
| 2949 | Solute chemistry and groundwater arsenic enrichment in southern part of Brahmaputra River basin, India, adjacent to Indo-Burmese ranges. <i>Arsenic in the Environment Proceedings</i> , 2016, , 62-63. | 0.0 | 0 |
| 2950 | Phycoremediation Potential of <i>Botryococcus braunii</i> : Bioremediation and Toxicity of As(III) and As(V). <i>Water Conservation Science and Engineering</i> , 2016, 1, 49-68. | 0.9 | 6 |
| 2951 | Metabolism and toxicity of arsenicals in mammals. <i>Environmental Toxicology and Pharmacology</i> , 2016, 48, 214-224. | 2.0 | 124 |
| 2952 | Application of arsenic in barite as a redox indicator for suboxic/anoxic redox condition. <i>Chemical Geology</i> , 2016, 447, 59-69. | 1.4 | 14 |
| 2953 | Equilibrium Modeling of Arsenic Adsorption in a Ternary Arsenic-Iron Oxide-Natural Organic Matter System. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1287-1295. | 0.7 | 8 |
| 2954 | Comparison of Kinetics of Arsenic(V) Adsorption on Two Types of Red Soil Weathered from Granite and Sandstone. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 1.1 | 6 |
| 2955 | Mercury and Arsenic in Stream Sediments and Surface Waters of the Orcia River Basin, Southern Tuscany, Italy. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 1.1 | 10 |
| 2956 | Low-Temperature Geochemistry. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-8. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2957 | Dynamics of natural contamination by aluminium and iron rich colloids in the volcanic aquifers of Central Italy. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19958-19977. | 2.7 | 15 |
| 2958 | Influence of reducing conditions on the release of antimony and arsenic from a tailings sediment. <i>Journal of Soils and Sediments</i> , 2016, 16, 2471-2481. | 1.5 | 15 |
| 2959 | Oxidation of arsenite to arsenate on birnessite in the presence of light. <i>Geochemical Transactions</i> , 2016, 17, 5. | 1.8 | 29 |
| 2960 | Characteristics of Arsenic-methylation and Arsenic-removal by <i>Bordetella petrii</i> Strain KC42. <i>Resources Processing</i> , 2016, 63, 18-23. | 0.4 | 4 |
| 2961 | Properties of Arsenic-methylating and Arsenic-removing Bacterium <i>Bordetella petrii</i> Strain KC42. <i>Resources Processing</i> , 2016, 63, 12-17. | 0.4 | 3 |
| 2962 | Mobility of arsenic and environmentally significant elements in mine tailings following liming. <i>Australian Journal of Earth Sciences</i> , 2016, 63, 781-793. | 0.4 | 5 |
| 2963 | Analysis of geological structure and anthropological factors affecting arsenic distribution in the Lahore aquifer, Pakistan. <i>Hydrogeology Journal</i> , 2016, 24, 1891-1904. | 0.9 | 20 |
| 2965 | Altered Hepatic Transport by Fetal Arsenite Exposure in Diet-Induced Fatty Liver Disease. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 321-330. | 1.4 | 8 |
| 2966 | Water Purification: Adsorption over Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2016, 34, 175-185. | 2.6 | 116 |
| 2967 | Strong Acid Mixture and Sequential Geochemical Arsenic Extractions in Surface Sediments from the Santa Maria La Reforma Coastal Lagoon, Mexico: A Bioavailability Assessment. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 70, 348-360. | 2.1 | 6 |
| 2968 | The effect of microbial sulfidogenesis on the stability of As-Fe coprecipitate with low Fe/As molar ratio under anaerobic conditions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7267-7277. | 2.7 | 10 |
| 2969 | Investigation on Elimination of As(III) and As(V) from Wastewater Using Bacterial Biofilm Supported on Sawdust/MnFe ₂ O ₄ Composite. <i>Water Conservation Science and Engineering</i> , 2016, 1, 21-48. | 0.9 | 12 |
| 2970 | Impact of arsenic(V) on testicular oxidative stress and sperm functional attributes in Swiss albino mice. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18200-18210. | 2.7 | 50 |
| 2971 | <i>Corynebacterium glutamicum</i> MTCC 2745 immobilized on granular activated carbon/MnFe ₂ O ₄ composite: A novel biosorbent for removal of As(III) and As(V) ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 168, 159-179. | 2.0 | 15 |
| 2972 | Influence of geology on groundwater-sediment interactions in arsenic enriched tectono-morphic aquifers of the Himalayan Brahmaputra river basin. <i>Journal of Hydrology</i> , 2016, 540, 176-195. | 2.3 | 44 |
| 2973 | Kinetic, mechanistic and thermodynamic studies of removal of arsenic using <i>Bacillus arsenicus</i> MTCC 4380 immobilized on surface of granular activated carbon/MnFe ₂ O ₄ composite. <i>Groundwater for Sustainable Development</i> , 2016, 2-3, 53-72. | 2.3 | 7 |
| 2974 | Analysis of sublethal arsenic toxicity to <i>Ceratophyllum demersum</i> : subcellular distribution of arsenic and inhibition of chlorophyll biosynthesis. <i>Journal of Experimental Botany</i> , 2016, 67, 4639-4646. | 2.4 | 88 |
| 2975 | Arsenic removal from water using a novel amorphous adsorbent developed from coal fly ash. <i>Water Science and Technology</i> , 2016, 73, 1954-1962. | 1.2 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2976 | Adsorption kinetic properties of As(III) on synthetic nano Fe-Mn binary oxides. Journal of Earth Science (Wuhan, China), 2016, 27, 699-706. | 1.1 | 4 |
| 2977 | Distribution and hosts of arsenic in a sediment core from the Chianan Plain in SW Taiwan: Implications on arsenic primary source and release mechanisms. Science of the Total Environment, 2016, 569-570, 212-222. | 3.9 | 19 |
| 2978 | Arsenic adsorption onto aluminium-substituted goethite. Environmental Chemistry, 2016, 13, 838. | 0.7 | 6 |
| 2979 | Elevated Bladder Cancer in Northern New England: The Role of Drinking Water and Arsenic. Journal of the National Cancer Institute, 2016, 108, . | 3.0 | 102 |
| 2980 | Adsorption and desorption of arsenate on sandy sediments from contaminated and uncontaminated saturated zones: Kinetic and equilibrium modeling. Environmental Pollution, 2016, 215, 290-301. | 3.7 | 26 |
| 2981 | Arsenic Uptake and Accumulation in Okra (<i>Abelmoschus esculentus</i>) as Affected by Different Arsenical Speciation. Bulletin of Environmental Contamination and Toxicology, 2016, 96, 395-400. | 1.3 | 17 |
| 2982 | The Arsenite Oxidation Potential of Native Microbial Communities from Arsenic-Rich Freshwaters. Microbial Ecology, 2016, 72, 25-35. | 1.4 | 16 |
| 2983 | Trace Element Groundwater Pollution Hazard in Regional Hydrogeological Systems (EmpordÀ Basin,) Tj ETQq1 1 0.784314 rgBT /Over | 1.1 | 6 |
| 2984 | Stimulation of Fe(II) Oxidation, Biogenic Lepidocrocite Formation, and Arsenic Immobilization by <i>Pseudogulbenkiania</i> Sp. Strain 2002. Environmental Science & Technology, 2016, 50, 6449-6458. | 4.6 | 63 |
| 2985 | Antimonate and arsenate speciation on reactive soil minerals studied by differential pair distribution function analysis. Chemical Geology, 2016, 429, 1-9. | 1.4 | 24 |
| 2986 | Application of calcined iowaite in arsenic removal from aqueous solution. Applied Clay Science, 2016, 126, 313-321. | 2.6 | 11 |
| 2987 | Modeling packed bed sorbent systems with the Pore Surface Diffusion Model: Evidence of facilitated surface diffusion of arsenate in nano-metal (hydr)oxide hybrid ion exchange media. Science of the Total Environment, 2016, 563-564, 965-970. | 3.9 | 14 |
| 2988 | Arsenic inhibits stem cell differentiation by altering the interplay between the Wnt3a and Notch signaling pathways. Toxicology Reports, 2016, 3, 405-413. | 1.6 | 23 |
| 2989 | Water and (bio)chemical cycling in gravel pit lakes: A review and outlook. Earth-Science Reviews, 2016, 159, 247-270. | 4.0 | 48 |
| 2990 | Regional oxygen reduction and denitrification rates in groundwater from multi-model residence time distributions, San Joaquin Valley, USA. Journal of Hydrology, 2016, 543, 155-166. | 2.3 | 32 |
| 2991 | Arsenic release from Floridan Aquifer rock during incubations simulating aquifer storage and recovery operations. Science of the Total Environment, 2016, 551-552, 238-245. | 3.9 | 11 |
| 2992 | Effect of ultrasound intensity on the size and morphology of synthesized scorodite particles. Advanced Powder Technology, 2016, 27, 891-897. | 2.0 | 26 |
| 2993 | Efficiently Visible-Light Driven Photoelectrocatalytic Oxidation of As(III) at Low Positive Biasing Using Pt/TiO ₂ Nanotube Electrode. Nanoscale Research Letters, 2016, 11, 32. | 3.1 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2994 | Spatial distribution, contamination and ecological risk assessment of heavy metals in surface sediments of Erhai Lake, a large eutrophic plateau lake in southwest China. <i>Catena</i> , 2016, 145, 193-203. | 2.2 | 155 |
| 2995 | Microbial Sulfate Reduction Enhances Arsenic Mobility Downstream of Zerovalent-Iron-Based Permeable Reactive Barrier. <i>Environmental Science & Technology</i> , 2016, 50, 7610-7617. | 4.6 | 63 |
| 2996 | Simultaneous Measurements of Eight Oxyanions Using High-Capacity Diffusive Gradients in Thin Films (Zr-Oxide DGT) with a High-Efficiency Elution Procedure. <i>Environmental Science & Technology</i> , 2016, 50, 7572-7580. | 4.6 | 56 |
| 2997 | Association between arsenic and different-sized dissolved organic matter in the groundwater of black-foot disease area, Taiwan. <i>Chemosphere</i> , 2016, 159, 214-220. | 4.2 | 24 |
| 2998 | Changes of arsenic fractionation and bioaccessibility in wastewater-irrigated soils as a function of aging: Influence of redox condition and arsenic load. <i>Geoderma</i> , 2016, 280, 1-7. | 2.3 | 25 |
| 2999 | Factors Controlling the Migration of Tailings-Derived Arsenic: A Case Study at the Yara SiliinjÄrvi Site. <i>Mine Water and the Environment</i> , 2016, 35, 407-420. | 0.9 | 7 |
| 3000 | Size-dependent characterisation of historical gold mine wastes to examine human pathways of exposure to arsenic and other potentially toxic elements. <i>Environmental Geochemistry and Health</i> , 2016, 38, 1097-1114. | 1.8 | 24 |
| 3001 | Chemical and mineralogical changes of waste and tailings from the Murgul Cu deposit (Artvin, NE Tj ETQq1 1 0.784314 rgBT /Overlo Research, 2016, 23, 6584-6607. | 2.7 | 13 |
| 3002 | Feasible water flow filter with facilely functionalized Fe3O4-non-oxidative graphene/CNT composites for arsenic removal. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3246-3252. | 3.3 | 32 |
| 3003 | An assessment of the seawater effect by geochemical and isotopic data on the brackish karst groundwater from the Karaburun Peninsula (Ä°zmir, Turkey). <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 7 |
| 3004 | Role of soil associated Exiguobacterium in reducing arsenic toxicity and promoting plant growth in <i>Vigna radiata</i> . <i>European Journal of Soil Biology</i> , 2016, 75, 142-150. | 1.4 | 64 |
| 3005 | Removal of arsenic from drinking water by photoâ€catalytic oxidation on MoO_x and adsorption on TiO_2 and Al_2O_3 . <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 88-95. | 1.6 | 26 |
| 3006 | Arsenic Cycling in Hydrocarbon Plumes: Secondary Effects of Natural Attenuation. <i>Ground Water</i> , 2016, 54, 35-45. | 0.7 | 56 |
| 3007 | A statistical experimental investigation on arsenic removal using capacitive deionization. <i>Desalination and Water Treatment</i> , 2016, 57, 3254-3260. | 1.0 | 24 |
| 3008 | Hydrogel biochar composite for arsenic removal from wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 3674-3688. | 1.0 | 41 |
| 3009 | Assessing and simulating the major pathway and hydrogeochemical transport of arsenic in the Beitouâ€Guandu area, Taiwan. <i>Environmental Geochemistry and Health</i> , 2016, 38, 219-231. | 1.8 | 9 |
| 3010 | Environmental influences on the epigenomes of herpetofauna and fish. <i>Biochemistry and Cell Biology</i> , 2016, 94, 95-100. | 0.9 | 16 |
| 3011 | Gold electrode modified with ultrathin SnO2 nanosheets with high reactive exposed surface for electrochemical sensing of As(III). <i>Electrochimica Acta</i> , 2016, 191, 142-148. | 2.6 | 38 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3012 | Sorptive removal of arsenite [As(III)] and arsenate [As(V)] by fullerene™s earth immobilized nanoscale zero-valent iron nanoparticles (F-nZVI): Effect of Fe ₀ loading on adsorption activity. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 681-694. | 3.3 | 50 |
| 3013 | Arsenic toxicity in soybean seedlings and their attenuation mechanisms. <i>Plant Physiology and Biochemistry</i> , 2016, 98, 119-127. | 2.8 | 92 |
| 3014 | The effects of arsenic and seawater acidification on antioxidant and biomineralization responses in two closely related <i>Crassostrea</i> species. <i>Science of the Total Environment</i> , 2016, 545-546, 569-581. | 3.9 | 70 |
| 3015 | Imaging geochemical heterogeneities using inverse reactive transport modeling: An example relevant for characterizing arsenic mobilization and distribution. <i>Advances in Water Resources</i> , 2016, 88, 186-197. | 1.7 | 44 |
| 3016 | Occurrence and distribution of arsenic in the sediments of a carbonate-rich unsaturated zone. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 14 |
| 3017 | Removal As(V) by sulfated mesoporous Fe-Al bimetallic adsorbent: Adsorption performance and uptake mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 711-718. | 3.3 | 12 |
| 3018 | Removal of arsenic from water using manganese (III) oxide: Adsorption of As(III) and As(V). <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 277-288. | 0.9 | 13 |
| 3019 | Effect of EDTA, EDDS, NTA and citric acid on electrokinetic remediation of As, Cd, Cr, Cu, Ni, Pb and Zn contaminated dredged marine sediment. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10577-10586. | 2.7 | 119 |
| 3020 | Heavy metal contamination in the lacustrine sediment of a plateau lake: influences of groundwater and anthropogenic pollution. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 12 |
| 3021 | Effects of low arsenic concentration exposure on freshwater fish in the presence of fluvial biofilms. <i>Science of the Total Environment</i> , 2016, 544, 467-475. | 3.9 | 15 |
| 3022 | Removal of arsenic from water using nano adsorbents and challenges: A review. <i>Journal of Environmental Management</i> , 2016, 166, 387-406. | 3.8 | 420 |
| 3023 | Speciation change and redistribution of arsenic in soil under anaerobic microbial activities. <i>Journal of Hazardous Materials</i> , 2016, 301, 538-546. | 6.5 | 51 |
| 3024 | Novel Preparation of Gold Nanoparticles with Application for the Amperometric Determination of Arsenic. <i>Analytical Letters</i> , 2016, 49, 1388-1397. | 1.0 | 3 |
| 3025 | Simultaneous removal of Ni(II), As(III), and Sb(III) from spiked mine effluent with metakaolin and blast-furnace-slag geopolymers. <i>Journal of Environmental Management</i> , 2016, 166, 579-588. | 3.8 | 118 |
| 3026 | The concentration and chemical speciation of arsenic in the Nanpan River, the upstream of the Pearl River, China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6451-6458. | 2.7 | 9 |
| 3027 | Low level arsenic contaminated water consumption and birth outcomes in Romania—An exploratory study. <i>Reproductive Toxicology</i> , 2016, 59, 8-16. | 1.3 | 27 |
| 3028 | Multiple stressors in estuarine waters: Effects of arsenic and salinity on <i>Ruditapes philippinarum</i> . <i>Science of the Total Environment</i> , 2016, 541, 1106-1114. | 3.9 | 31 |
| 3029 | Conceptual design and experiments of electrochemistry-flushing technology for the remediation of historically Cr(VI)-contaminated soil. <i>Chemosphere</i> , 2016, 144, 1823-1830. | 4.2 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3030 | Insights into Formation Conditions, Crystal Structures, and Thermal Behavior of Hydrus and Anhydrous Barium Arsenates. <i>Crystal Growth and Design</i> , 2016, 16, 908-921. | 1.4 | 10 |
| 3031 | Application of iron sulfide particles for groundwater and soil remediation: A review. <i>Water Research</i> , 2016, 89, 309-320. | 5.3 | 292 |
| 3032 | Contrasting distributions of groundwater arsenic and uranium in the western Hetao basin, Inner Mongolia: Implication for origins and fate controls. <i>Science of the Total Environment</i> , 2016, 541, 1172-1190. | 3.9 | 91 |
| 3033 | Clams sensitivity towards As and Hg: A comprehensive assessment of native and exotic species. <i>Ecotoxicology and Environmental Safety</i> , 2016, 125, 43-54. | 2.9 | 30 |
| 3034 | Role of reducing agent in extraction of arsenic and heavy metals from soils by use of EDTA. <i>Chemosphere</i> , 2016, 152, 274-283. | 4.2 | 91 |
| 3035 | Natural and anthropogenic influences on the arsenic geochemistry of lacustrine sediment from a typical fault-controlled highland lake: Yangzonghai Lake, Yunnan, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 12 |
| 3036 | Leaching potential and redox transformations of arsenic and selenium in sediment microcosms with fly ash. <i>Applied Geochemistry</i> , 2016, 67, 177-185. | 1.4 | 43 |
| 3037 | Effect of oxalic acid treatment on sediment arsenic concentrations and lability under reducing conditions. <i>Journal of Hazardous Materials</i> , 2016, 311, 125-133. | 6.5 | 24 |
| 3038 | Fast removal of high quantities of toxic arsenate via cationic p(APTMACI) microgels. <i>Journal of Environmental Management</i> , 2016, 166, 217-226. | 3.8 | 28 |
| 3039 | Role of <i>Acinetobacter</i> sp. in arsenite As(III) oxidation and reducing its mobility in soil. <i>Chemistry and Ecology</i> , 2016, 32, 460-471. | 0.6 | 16 |
| 3040 | Aqueous geochemistry and its influence on the partitioning of arsenic between aquifer sediments and groundwater: a case study in the northwest of the Hetao Basin. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 11 |
| 3041 | Development of enhanced groundwater arsenic prediction model using machine learning approaches in Southeast Asian countries. <i>Desalination and Water Treatment</i> , 2016, 57, 12227-12236. | 1.0 | 26 |
| 3042 | A density functional theory study of arsenic immobilization by the Al(III)-modified zeolite clinoptilolite. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11297-11305. | 1.3 | 14 |
| 3043 | Simultaneous arsenate and alkali removal from alkaline wastewater by in-situ formation of Zn-Al layered double hydroxide. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 137-143. | 2.2 | 11 |
| 3044 | Removal of Arsenic (III) from natural contaminated water using magnetic nanocomposite: kinetics and isotherm studies. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1175-1188. | 1.2 | 16 |
| 3045 | Natural origin arsenic in aquatic organisms from a deep oligotrophic lake under the influence of volcanic eruptions. <i>Chemosphere</i> , 2016, 144, 2277-2289. | 4.2 | 32 |
| 3046 | Geochemical characterization and modeling of arsenic behavior in a highly contaminated mining soil. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 16 |
| 3047 | Evaluation of the effects of application of iron materials on the accumulation and speciation of arsenic in rice grain grown on uncontaminated soil with relatively high levels of arsenic. <i>Environmental and Experimental Botany</i> , 2016, 125, 42-51. | 2.0 | 63 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3048 | Mineralogical control on arsenic release during sediment-water interaction in abandoned mine wastes from the Argentina Puna. <i>Science of the Total Environment</i> , 2016, 550, 1141-1151. | 3.9 | 19 |
| 3049 | Multivariate Optimization and Adsorption Characterization of As(III) by Using Fraxinus Tree Leaves. <i>Chemical Engineering Communications</i> , 2016, 203, 210-223. | 1.5 | 21 |
| 3050 | Magnetite nanoplates decorated on anodized aluminum oxide nanofibers as a novel adsorbent for efficient removal of As(III). <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1149-1158. | 1.8 | 11 |
| 3051 | Arsenic solubilization and redistribution under anoxic conditions in three aquifer sediments from a basin-fill aquifer in Northern Utah: The role of natural organic carbon and carbonate minerals. <i>Applied Geochemistry</i> , 2016, 66, 250-263. | 1.4 | 13 |
| 3052 | Evaluation of operating parameters with respect to charge loading on the removal efficiency of arsenic from potable water by electrocoagulation. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1484-1494. | 3.3 | 57 |
| 3053 | High arsenic (As) concentrations in the shallow groundwaters of southern Louisiana: Evidence of microbial controls on As mobilization from sediments. <i>Journal of Hydrology: Regional Studies</i> , 2016, 5, 100-113. | 1.0 | 9 |
| 3054 | Co-occurrence perspective of arsenic and fluoride in the groundwater of Diphu, Assam, Northeastern India. <i>Chemosphere</i> , 2016, 150, 227-238. | 4.2 | 81 |
| 3055 | Removal of arsenic(V) ions from aqueous media by adsorption on multiwall carbon nanotubes thin film using XRF technique. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2016, 5, 21-26. | 1.7 | 22 |
| 3056 | The toxicity of zinc oxide nanoparticles to <i>Lemna minor</i> (L.) is predominantly caused by dissolved Zn. <i>Aquatic Toxicology</i> , 2016, 174, 46-53. | 1.9 | 48 |
| 3057 | Enhanced arsenite removal through surface-catalyzed oxidative coagulation treatment. <i>Chemosphere</i> , 2016, 150, 650-658. | 4.2 | 21 |
| 3058 | Sorption parameters as a predictor of arsenic phytotoxicity in Australian soils. <i>Geoderma</i> , 2016, 265, 103-110. | 2.3 | 34 |
| 3059 | Algae metabolism and organic carbon in sediments determining arsenic mobilisation in ground- and surface water. A field study in Doñana National Park, Spain.. <i>Science of the Total Environment</i> , 2016, 544, 874-882. | 3.9 | 10 |
| 3060 | Aquifer Arsenic Cycling Induced by Seasonal Hydrologic Changes within the Yangtze River Basin. <i>Environmental Science & Technology</i> , 2016, 50, 3521-3529. | 4.6 | 112 |
| 3061 | Assessment of the environmental impact by As and heavy metals in lacustrine travertine limestone and soil in Attica, Greece: Mapping of potentially contaminated sites. <i>Catena</i> , 2016, 139, 137-166. | 2.2 | 10 |
| 3062 | Bioaccessibility of arsenic and cadmium assessed for in vitro bioaccessibility in spiked soils and their interaction during the Unified BARGE Method (UBM) extraction. <i>Chemosphere</i> , 2016, 147, 444-450. | 4.2 | 38 |
| 3063 | Characterization and mobility of arsenic and heavy metals in soils polluted by the destruction of arsenic-containing shells from the Great War. <i>Science of the Total Environment</i> , 2016, 550, 658-669. | 3.9 | 38 |
| 3064 | Superparamagnetic nanomaterial Fe ₃ O ₄ @TiO ₂ for the removal of As(V) and As(III) from aqueous solutions. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1790-1801. | 1.2 | 28 |
| 3065 | Adsorption of arsenic with struvite and hydroxylapatite in phosphate-bearing solutions. <i>Chemosphere</i> , 2016, 146, 574-581. | 4.2 | 24 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3066 | Pollution assessment of arsenic and other selected elements in the groundwater and soil of the Gulf of Aqaba, Saudi Arabia. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 13 |
| 3067 | Arsenic Exposure in Children through Drinking Water in Different Districts of Sindh, Pakistan. <i>Biological Trace Element Research</i> , 2016, 173, 35-46. | 1.9 | 27 |
| 3068 | Arsenic(V) Incorporation in Vivianite during Microbial Reduction of Arsenic(V)-Bearing Biogenic Fe(III) (Oxyhydr)oxides. <i>Environmental Science & Technology</i> , 2016, 50, 2281-2291. | 4.6 | 87 |
| 3069 | MoO ₃ /TiO ₂ immobilized on quartz support as structured catalyst for the photocatalytic oxidation of As(III) to As(V) in aqueous solutions. <i>Chemical Engineering Research and Design</i> , 2016, 109, 190-199. | 2.7 | 32 |
| 3070 | Numerical Modeling of Arsenic Mobility during Reductive Iron-Mineral Transformations. <i>Environmental Science & Technology</i> , 2016, 50, 2459-2467. | 4.6 | 62 |
| 3071 | Isolation and characterization of arsenic-resistant bacteria and possible application in bioremediation. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016, 10, 1-7. | 2.1 | 166 |
| 3072 | SUPCRTBL: A revised and extended thermodynamic dataset and software package of SUPCRT92. <i>Computers and Geosciences</i> , 2016, 90, 97-111. | 2.0 | 108 |
| 3073 | Development of Mag-FMBO in clay-reinforced KGM aerogels for arsenite removal. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 77-84. | 3.6 | 26 |
| 3074 | The Hidden and External Costs of Pesticide Use. <i>Sustainable Agriculture Reviews</i> , 2016, , 35-120. | 0.6 | 164 |
| 3075 | Clam <i>Ruditapes philippinarum</i> recovery from short-term exposure to the combined effect of salinity shifts and Arsenic contamination. <i>Aquatic Toxicology</i> , 2016, 173, 154-164. | 1.9 | 20 |
| 3076 | The ecological risk of heavy metals in sediment from the Danube Delta. <i>Ecotoxicology</i> , 2016, 25, 688-696. | 1.1 | 42 |
| 3077 | Health risk assessment of groundwater arsenic pollution in southern Taiwan. <i>Environmental Geochemistry and Health</i> , 2016, 38, 1271-1281. | 1.8 | 51 |
| 3078 | Understanding arsenic mobilization using reactive transport modeling of groundwater hydrochemistry in the Datong basin study plot, China. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 371-385. | 1.7 | 6 |
| 3079 | Studies on the removal of As(III) and As(V) through their adsorption onto granular activated carbon/MnFe ₂ O ₄ composite: isotherm studies and error analysis. <i>Composite Interfaces</i> , 2016, 23, 327-372. | 1.3 | 36 |
| 3080 | Mobility and chemical fate of arsenic and antimony in water and sediments of Sarouq River catchment, Takab geothermal field, northwest Iran. <i>Journal of Environmental Management</i> , 2016, 170, 136-144. | 3.8 | 38 |
| 3081 | Multilevel hydrogeochemical monitoring of spatial distribution of arsenic: A case study at Datong Basin, northern China. <i>Journal of Geochemical Exploration</i> , 2016, 161, 16-26. | 1.5 | 16 |
| 3082 | Natural attenuation processes of arsenic in the groundwater of the Brahmaputra floodplain of Assam, India. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 115-125. | 1.7 | 7 |
| 3083 | Direct As(III) removal from brackish groundwater by vacuum membrane distillation: Effect of organic matter and salts on membrane fouling. <i>Separation and Purification Technology</i> , 2016, 157, 35-44. | 3.9 | 36 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3084 | Sulfidization of As(V)-containing schwertmannite and its impact on arsenic mobilization. <i>Chemical Geology</i> , 2016, 420, 270-279. | 1.4 | 45 |
| 3085 | Sorption of Arsenite on Cu-Al, Mg-Al, Mg-Fe, and Zn-Al Layered Double Hydroxides in the Presence of Inorganic Anions Commonly Found in Aquatic Environments. <i>Environmental Engineering Science</i> , 2016, 33, 98-104. | 0.8 | 21 |
| 3086 | An assessment of trace element contamination in the freshwater sediments of Lake Iznik (NW Turkey). <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 15 |
| 3087 | Distribution of arsenic between the particulate and aqueous phases in surface water from three freshwater lakes in China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7452-7461. | 2.7 | 19 |
| 3088 | Study of the kinetics of arsenic removal from wastewater using <i>Bacillus arsenicus</i> biofilms supported on a Neem leaves/MnFe ₂ O ₄ composite. <i>Ecological Engineering</i> , 2016, 88, 195-216. | 1.6 | 21 |
| 3089 | Determination of arsenic in the presence of copper by adsorptive stripping voltammetry using pyrrolidine dithiocarbamate or diethyl dithiophosphate as chelating-adsorbent agents. Effect of CPB on the sensitivity of the method. <i>Microchemical Journal</i> , 2016, 126, 70-75. | 2.3 | 8 |
| 3090 | Arsenic-induced phosphate limitation under experimental Early Proterozoic oceanic conditions. <i>Earth and Planetary Science Letters</i> , 2016, 434, 52-63. | 1.8 | 9 |
| 3091 | Fe ³⁺ Addition Promotes Arsenopyrite Dissolution and Iron(III) (Hydr)oxide Formation and Phase Transformation. <i>Environmental Science and Technology Letters</i> , 2016, 3, 30-35. | 3.9 | 21 |
| 3092 | Exposure of children to arsenic in drinking water in the Tharparkar region of Sindh, Pakistan. <i>Science of the Total Environment</i> , 2016, 544, 653-660. | 3.9 | 63 |
| 3093 | Effects of dissolved ions and natural organic matter on electrocoagulation of As(III) in groundwater. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1008-1016. | 3.3 | 27 |
| 3094 | Arsenate sorption on monohydrocalcite by coprecipitation during transformation to aragonite. <i>Journal of Hazardous Materials</i> , 2016, 304, 110-117. | 6.5 | 13 |
| 3095 | Remediation of arsenic-contaminated water using agricultural wastes as biosorbents. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 467-499. | 6.6 | 161 |
| 3096 | Arsenic removal from contaminated brackish sea water by sorption onto Al hydroxides and Fe phases mobilized by land-use. <i>Science of the Total Environment</i> , 2016, 542, 923-934. | 3.9 | 13 |
| 3097 | Comparative evaluation of magnetite-graphene oxide and magnetite-reduced graphene oxide composite for As(III) and As(V) removal. <i>Journal of Hazardous Materials</i> , 2016, 304, 196-204. | 6.5 | 202 |
| 3098 | Adsorptive properties of Moroccan clays for the removal of arsenic(V) from aqueous solution. <i>Applied Clay Science</i> , 2016, 119, 385-392. | 2.6 | 95 |
| 3099 | Oxidation of arsenite to arsenate in growth medium and groundwater using a novel arsenite-oxidizing diazotrophic bacterium isolated from soil. <i>International Biodeterioration and Biodegradation</i> , 2016, 106, 178-182. | 1.9 | 33 |
| 3100 | The use of artificial neural network for modelling of phycoremediation of toxic elements As(III) and As(V) from wastewater using <i>Botryococcus braunii</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 155, 130-145. | 2.0 | 42 |
| 3101 | Aqueous arsenite removal by simultaneous ultraviolet photocatalytic oxidation-coagulation of titanium sulfate. <i>Journal of Hazardous Materials</i> , 2016, 303, 162-170. | 6.5 | 36 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3102 | Fate of low arsenic concentrations during full-scale aeration and rapid filtration. <i>Water Research</i> , 2016, 88, 566-574. | 5.3 | 32 |
| 3103 | Characterization of iron-modified carbon paste electrodes and their application in As(V) detection. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 205-215. | 1.5 | 15 |
| 3104 | Toxic Risk Assessment of Arsenic in Males Through Drinking Water in Tharparkar Region of Sindh, Pakistan. <i>Biological Trace Element Research</i> , 2016, 172, 61-71. | 1.9 | 7 |
| 3105 | Arsenite and arsenate leaching and retention on iron (hydr)oxide-coated sand column. <i>Journal of Soils and Sediments</i> , 2016, 16, 486-496. | 1.5 | 11 |
| 3106 | A novel method of utilizing permeable reactive kiddle (PRK) for the remediation of acid mine drainage. <i>Journal of Hazardous Materials</i> , 2016, 301, 332-341. | 6.5 | 17 |
| 3107 | Life cycle exposure of the frog <i>Silurana tropicalis</i> to arsenate: Steroid- and thyroid hormone-related genes are differently altered throughout development. <i>General and Comparative Endocrinology</i> , 2016, 234, 133-141. | 0.8 | 3 |
| 3108 | A Microbial Arsenic Cycle in Sediments of an Acidic Mine Impoundment: Herman Pit, Clear Lake, California. <i>Geomicrobiology Journal</i> , 2016, 33, 677-689. | 1.0 | 9 |
| 3109 | Role of soil physicochemical characteristics on the present state of arsenic and its adsorption in alluvial soils of two agri-intensive region of Bathinda, Punjab, India. <i>Journal of Soils and Sediments</i> , 2016, 16, 605-620. | 1.5 | 41 |
| 3110 | As(V) and PO ₄ Removal by an Iron-Impregnated Activated Carbon in a Single and Binary Adsorbate System: Experimental and Surface Complexation Modeling Results. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, . | 0.7 | 6 |
| 3111 | Arsenate and arsenite adsorption onto Al-containing ferrihydrites. Implications for arsenic immobilization after neutralization of acid mine drainage. <i>Applied Geochemistry</i> , 2016, 64, 2-9. | 1.4 | 60 |
| 3112 | Spatial and seasonal variations of trace elements concentrations in liver and muscle of round Sardinelle (<i>Sardinella aurita</i>) and Senegalese sole (<i>Solea senegalensis</i>) along the Senegalese coast. <i>Chemosphere</i> , 2016, 144, 758-766. | 4.2 | 19 |
| 3113 | Extremely high arsenic removal capacity for mesoporous aluminium magnesium oxide composites. <i>Environmental Science: Nano</i> , 2016, 3, 94-106. | 2.2 | 123 |
| 3114 | Tailings Weathering and Arsenic Mobility at the Abandoned Zgounder Silver Mine, Morocco. <i>Mine Water and the Environment</i> , 2016, 35, 508-524. | 0.9 | 14 |
| 3115 | Oxidation mechanism of As(III) in the presence of polyphenols: New insights into the reactive oxygen species. <i>Chemical Engineering Journal</i> , 2016, 285, 69-76. | 6.6 | 47 |
| 3116 | Effects of NO ₃ ⁻ and PO ₄ ³⁻ on the release of geogenic arsenic and antimony in agricultural wetland soil: a field and laboratory approach. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4714-4728. | 2.7 | 27 |
| 3117 | Arsenic release from the abiotic oxidation of arsenopyrite under the impact of waterborne H ₂ O ₂ : a SEM and XPS study. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1381-1390. | 2.7 | 13 |
| 3118 | Arsenic removal from naturally contaminated waters: a review of methods combining chemical and biological treatments. <i>Rendiconti Lincei</i> , 2016, 27, 51-58. | 1.0 | 45 |
| 3119 | Arsenic distribution in soils and rye plants of a cropland located in an abandoned mining area. <i>Science of the Total Environment</i> , 2016, 542, 238-246. | 3.9 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3120 | Influence of organic matters on As(III) oxidation by the microflora of polluted soils. <i>Environmental Geochemistry and Health</i> , 2016, 38, 911-925. | 1.8 | 12 |
| 3121 | Arsenic removal from contaminated soils for recycling via oil agglomerate flotation. <i>Chemical Engineering Journal</i> , 2016, 285, 207-217. | 6.6 | 31 |
| 3122 | Adsorption and desorption of arsenate in Louisiana rice soils. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 856-864. | 1.3 | 8 |
| 3123 | Evaluation of coexposure to inorganic arsenic and titanium dioxide nanoparticles in the marine shrimp <i>Litopenaeus vannamei</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 1214-1223. | 2.7 | 22 |
| 3124 | Investigation of arsenic species in tailings and windblown dust from a gold mining area. <i>Environmental Science and Pollution Research</i> , 2016, 23, 638-647. | 2.7 | 30 |
| 3125 | High geochemical background of potentially harmful elements. The "geochemical risk" and "natural contamination" of soils and water: awareness and policy approach in Europe with a focus on Italy. <i>Rendiconti Lincei</i> , 2016, 27, 7-20. | 1.0 | 13 |
| 3126 | High soil and groundwater arsenic levels induce high body arsenic loads, health risk and potential anemia for inhabitants of northeastern Iran. <i>Environmental Geochemistry and Health</i> , 2016, 38, 469-482. | 1.8 | 28 |
| 3127 | Mobility of As, Cu, Cr, and Zn from tailings covered with sealing materials using alkaline industrial residues: a comparison between two leaching methods. <i>Environmental Science and Pollution Research</i> , 2016, 23, 648-660. | 2.7 | 9 |
| 3128 | Electrokinetics Across Disciplines and Continents. , 2016, , . | | 19 |
| 3129 | Biosorption of As(V) onto dried alligator weed root: role of metal (hydro) oxides. <i>International Journal of Phytoremediation</i> , 2016, 18, 315-320. | 1.7 | 1 |
| 3130 | Origin of high ammonium, arsenic and boron concentrations in the proximity of a mine: Natural vs. anthropogenic processes. <i>Science of the Total Environment</i> , 2016, 541, 655-666. | 3.9 | 31 |
| 3131 | Arsenic remediation by formation of arsenic sulfide minerals in a continuous anaerobic bioreactor. <i>Biotechnology and Bioengineering</i> , 2016, 113, 522-530. | 1.7 | 44 |
| 3132 | Influence of phosphate on toxicity and bioaccumulation of arsenic in a soil isolate of microalga <i>Chlorella sp.</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 2663-2668. | 2.7 | 39 |
| 3133 | Effect of nitrogen doping on titanium carbonitride-derived adsorbents used for arsenic removal. <i>Journal of Hazardous Materials</i> , 2016, 302, 375-385. | 6.5 | 24 |
| 3135 | Application of granular activated carbon/MnFe ₂ O ₄ composite immobilized on <i>C. glutamicum</i> MTCC 2745 to remove As(III) and As(V): Kinetic, mechanistic and thermodynamic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 298-314. | 2.0 | 21 |
| 3136 | Simultaneous removal of As(III) and As(V) from wastewater by co-precipitation using an experimental design approach. <i>Desalination and Water Treatment</i> , 2016, 57, 16571-16582. | 1.0 | 6 |
| 3137 | Short-term arsenic exposure reduces diatom cell size in biofilm communities. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4257-4270. | 2.7 | 31 |
| 3138 | Arsenic in groundwater and its health risk assessment in drinking water of Mailsi, Punjab, Pakistan. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016, 22, 187-202. | 1.7 | 101 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3139 | Natural Antioxidants Against Arsenic-Induced Genotoxicity. <i>Biological Trace Element Research</i> , 2016, 170, 84-93. | 1.9 | 15 |
| 3140 | Nano-iron oxide coated on sand as a new sorbent for removal of arsenic from drinking water. <i>Desalination and Water Treatment</i> , 2016, 57, 13030-13037. | 1.0 | 13 |
| 3141 | Postnatal arsenic exposure and attention impairment in school children. <i>Cortex</i> , 2016, 74, 370-382. | 1.1 | 60 |
| 3142 | Bayesian modeling approach for characterizing groundwater arsenic contamination in the Mekong River basin. <i>Chemosphere</i> , 2016, 143, 50-56. | 4.2 | 15 |
| 3143 | Arsenic transfer and biotransformation in a fully characterized freshwater food web. <i>Coordination Chemistry Reviews</i> , 2016, 306, 558-565. | 9.5 | 9 |
| 3144 | Risk analysis on heavy metal contamination in sediments of rivers flowing into Nansi Lake. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26910-26918. | 2.7 | 11 |
| 3145 | Geochemical and eco-toxicological characteristics of stream water and its sediments affected by acid mine drainage. <i>Catena</i> , 2017, 148, 52-59. | 2.2 | 50 |
| 3146 | Groundwater-derived nutrient and trace element transport to a nearshore Kona coral ecosystem: Experimental mixing model results. <i>Journal of Hydrology: Regional Studies</i> , 2017, 11, 166-177. | 1.0 | 21 |
| 3147 | Human health risks in an old gold mining area with circum-neutral drainage, central Portugal. <i>Environmental Geochemistry and Health</i> , 2017, 39, 43-62. | 1.8 | 20 |
| 3148 | On the distribution and speciation of arsenic in the soil-plant-system of a rice field in West-Bengal, India: A ^{114}As -synchrotron techniques based case study. <i>Applied Geochemistry</i> , 2017, 77, 4-14. | 1.4 | 17 |
| 3149 | Removal of As(III) from aqueous solutions through simultaneous photocatalytic oxidation and adsorption by TiO ₂ and zero-valent iron. <i>Catalysis Today</i> , 2017, 280, 149-154. | 2.2 | 50 |
| 3150 | Migration and transformation of arsenic: Contamination control and remediation in realgar mining areas. <i>Applied Geochemistry</i> , 2017, 77, 44-51. | 1.4 | 48 |
| 3151 | Chemical composition of groundwater/drinking water and oncological disease mortality in Slovak Republic. <i>Environmental Geochemistry and Health</i> , 2017, 39, 191-208. | 1.8 | 13 |
| 3152 | Evaluation of arsenic sorption and mobility in stream sediment and hot spring deposit in three drainages of the Tibetan Plateau. <i>Applied Geochemistry</i> , 2017, 77, 89-101. | 1.4 | 19 |
| 3153 | Review of arsenic geochemical characteristics and its significance on arsenic pollution studies in karst groundwater, Southwest China. <i>Applied Geochemistry</i> , 2017, 77, 80-88. | 1.4 | 137 |
| 3154 | Effects of pore size and dissolved organic matters on diffusion of arsenate in aqueous solution. <i>Journal of Environmental Sciences</i> , 2017, 52, 190-196. | 3.2 | 4 |
| 3155 | Mineralogy and geochemistry affecting arsenic solubility in sediment profiles from the shallow basin-fill aquifer of Cache Valley Basin, Utah. <i>Applied Geochemistry</i> , 2017, 77, 126-141. | 1.4 | 10 |
| 3156 | Hydrogeochemical controls on mobilization of arsenic and associated health risk in Nagaon district of the central Brahmaputra Plain, India. <i>Environmental Geochemistry and Health</i> , 2017, 39, 161-178. | 1.8 | 37 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3157 | On the scalability of hydrogeochemical factors controlling arsenic mobility in three major inland basins of P.R. China. <i>Applied Geochemistry</i> , 2017, 77, 15-23. | 1.4 | 22 |
| 3158 | A predictive risk model of groundwater arsenic contamination in China applied to the Huai River Basin, with a focus on the region's cluster of elevated cancer mortalities. <i>Applied Geochemistry</i> , 2017, 77, 178-183. | 1.4 | 14 |
| 3159 | Selective electrochemical sensing for arsenite using rGO/Fe ₃ O ₄ nanocomposites. <i>Journal of Hazardous Materials</i> , 2017, 322, 85-94. | 6.5 | 60 |
| 3160 | Arsenic in cereals, their relation with human health risk, and possible mitigation strategies. <i>Food Reviews International</i> , 2017, 33, 620-643. | 4.3 | 10 |
| 3161 | Effect of dissimilatory iron and sulfate reduction on arsenic dynamics in the wetland rhizosphere and its bioaccumulation in wetland plants (<i>Scirpus actus</i>). <i>Journal of Hazardous Materials</i> , 2017, 321, 382-389. | 6.5 | 28 |
| 3162 | Synthesis of magnetite/non-oxidative graphene composites and their application for arsenic removal. <i>Separation and Purification Technology</i> , 2017, 178, 40-48. | 3.9 | 94 |
| 3163 | How do operating conditions affect As(III) removal by iron electrocoagulation?. <i>Water Research</i> , 2017, 112, 185-194. | 5.3 | 33 |
| 3164 | Prediction and visualization of redox conditions in the groundwater of Central Valley, California. <i>Journal of Hydrology</i> , 2017, 546, 341-356. | 2.3 | 39 |
| 3165 | Distribution of arsenic and other metals in crayfish tissues (<i>Procambarus clarkii</i>) under different production practices. <i>Science of the Total Environment</i> , 2017, 574, 322-331. | 3.9 | 42 |
| 3166 | Isotopic evidence of nitrogen sources and nitrogen transformation in arsenic-contaminated groundwater. <i>Science of the Total Environment</i> , 2017, 578, 167-185. | 3.9 | 45 |
| 3167 | Understanding arsenic dynamics in agronomic systems to predict and prevent uptake by crop plants. <i>Science of the Total Environment</i> , 2017, 581-582, 209-220. | 3.9 | 185 |
| 3168 | Fast arsenic speciation in water by on-site solid phase extraction and high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 128, 30-35. | 1.5 | 22 |
| 3169 | Application of REE geochemical signatures for Mesozoic sediment provenance to the Gettysburg Basin, Pennsylvania. <i>Sedimentary Geology</i> , 2017, 349, 103-111. | 1.0 | 25 |
| 3170 | Biosorption of As(III) and As(V) on the surface of TW/MnFe ₂ O ₄ composite from wastewater: kinetics, mechanistic and thermodynamics. <i>Applied Water Science</i> , 2017, 7, 2689-2715. | 2.8 | 23 |
| 3171 | Chemical modeling of groundwater in the Banat Plain, southwestern Romania, with elevated As content and co-occurring species by combining diagrams and unsupervised multivariate statistical approaches. <i>Chemosphere</i> , 2017, 172, 127-137. | 4.2 | 19 |
| 3172 | Geochemical distribution and fate of arsenic in water and sediments of rivers from the Hokusetsu area, Japan. <i>Journal of Hydrology: Regional Studies</i> , 2017, 9, 34-47. | 1.0 | 14 |
| 3173 | Terrestrial sedimentary pyrites as a potential source of trace metal release to groundwater – A case study from the Emsland, Germany. <i>Applied Geochemistry</i> , 2017, 76, 99-111. | 1.4 | 39 |
| 3174 | Redox controls on arsenic enrichment and release from aquifer sediments in central Yangtze River Basin. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 204, 104-119. | 1.6 | 101 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3175 | Efficient As(III) removal by magnetic CuO-Fe ₃ O ₄ nanoparticles through photo-oxidation and adsorption under light irradiation. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 168-177. | 5.0 | 81 |
| 3176 | Tritium Tracers of Rapid Surface Water Ingression into Arsenic-bearing Aquifers in the Lower Mekong Basin, Cambodia. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 845-848. | 0.6 | 8 |
| 3177 | Highlighting the wide variability in arsenic speciation in wetlands: A new insight into the control of the behavior of arsenic. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 284-302. | 1.6 | 25 |
| 3178 | Electrochemical determination of arsenic in natural waters using carbon fiber ultra-microelectrodes modified with gold nanoparticles. <i>Talanta</i> , 2017, 166, 198-206. | 2.9 | 69 |
| 3179 | Adsorption of As(III) and As(V) in groundwater by Fe-Mn binary oxide-impregnated granular activated carbon (IMIGAC). <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 72, 62-69. | 2.7 | 48 |
| 3180 | Coal characteristics, elemental composition and modes of occurrence of some elements in the A ^o saalan coal (Balıkesir, NW Turkey). <i>International Journal of Coal Geology</i> , 2017, 172, 43-59. | 1.9 | 50 |
| 3181 | Extended performance analysis of polyurethane-iron oxide nanocomposite for efficient removal of arsenic species from water. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 889-896. | 1.0 | 8 |
| 3182 | Determination of Arsenic in Water Samples by Using a Green Hydrophobic-Hydrophilic Switchable Liquid-Solid Dispersive Microextraction Method. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 12 |
| 3183 | Removal of trace arsenic to below drinking water standards using a Mn-Fe binary oxide. <i>RSC Advances</i> , 2017, 7, 1490-1497. | 1.7 | 23 |
| 3184 | Phosphate-assisted phytoremediation of arsenic by <i>Brassica napus</i> and <i>Brassica juncea</i> : Morphological and physiological response. <i>International Journal of Phytoremediation</i> , 2017, 19, 670-678. | 1.7 | 112 |
| 3185 | Human exposure assessment of different arsenic species in household water sources in a high risk arsenic area. <i>Science of the Total Environment</i> , 2017, 584-585, 631-641. | 3.9 | 53 |
| 3186 | Low-level arsenic exposure via drinking water consumption and female fecundity - A preliminary investigation. <i>Environmental Research</i> , 2017, 154, 120-125. | 3.7 | 24 |
| 3187 | Effect of the redox dynamics on microbial-mediated As transformation coupled with Fe and S in flow-through sediment columns. <i>Journal of Hazardous Materials</i> , 2017, 329, 280-289. | 6.5 | 30 |
| 3188 | Can Fe ³⁺ and Al ³⁺ ions serve as cationic bridges to facilitate the adsorption of anionic As(V) species on humic acids? A density functional theory study. <i>Journal of Molecular Modeling</i> , 2017, 23, 81. | 0.8 | 5 |
| 3189 | Arsenic (V) bioconcentration kinetics in freshwater macroinvertebrates and periphyton is influenced by pH. <i>Environmental Pollution</i> , 2017, 224, 82-88. | 3.7 | 15 |
| 3190 | Arsenic speciation in the lower Athabasca River watershed: A geochemical investigation of the dissolved and particulate phases. <i>Environmental Pollution</i> , 2017, 224, 265-274. | 3.7 | 37 |
| 3191 | Ubiquitous and persistent Proteobacteria and other Gram-negative bacteria in drinking water. <i>Science of the Total Environment</i> , 2017, 586, 1141-1149. | 3.9 | 110 |
| 3192 | Seasonal disparity in the co-occurrence of arsenic and fluoride in the aquifers of the Brahmaputra flood plains, Northeast India. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 42 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3193 | Electrocoagulation treatment of arsenic in wastewaters: A comprehensive review. <i>Chemical Engineering Journal</i> , 2017, 317, 707-725. | 6.6 | 245 |
| 3194 | Chemical reactive features of novel amino acids intercalated layered double hydroxides in As(III) and As(V) adsorption. <i>Chemosphere</i> , 2017, 176, 57-66. | 4.2 | 30 |
| 3195 | Pyrite oxidation in the presence of hematite and alumina: II. Effects on the cathodic and anodic half-cell reactions. <i>Science of the Total Environment</i> , 2017, 581-582, 126-135. | 3.9 | 72 |
| 3196 | Accumulation and transformation of inorganic and organic arsenic in rice and role of thiol-complexation to restrict their translocation to shoot. <i>Scientific Reports</i> , 2017, 7, 40522. | 1.6 | 84 |
| 3197 | Successive extraction of As(V), Cu(II) and P(V) ions from water using spent coffee powder as renewable bioadsorbents. <i>Scientific Reports</i> , 2017, 7, 42881. | 1.6 | 37 |
| 3198 | The Fate of Base Metals in the Environment and Water Quality in the Mellegue Watershed, Northwest Tunisia. <i>Mine Water and the Environment</i> , 2017, 36, 163-179. | 0.9 | 12 |
| 3199 | The Dibdibba aquifer system at Safwanâ€“Zubair area, southern Iraq, hydrogeology and environmental situation. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 4 |
| 3200 | Arsenic and thioarsenic species in the hot springs of the Rehai magmatic geothermal system, Tengchong volcanic region, China. <i>Chemical Geology</i> , 2017, 453, 12-20. | 1.4 | 53 |
| 3201 | Arsenic removal from arsenic-contaminated water by biological arsenite oxidation and chemical ferrous iron oxidation using a down-flow hanging sponge reactor. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 1249-1259. | 1.0 | 10 |
| 3202 | Arsenic and selenium removal from water using biosynthesized nanoscale zero-valent iron: A factorial design analysis. <i>Chemical Engineering Research and Design</i> , 2017, 107, 518-527. | 2.7 | 170 |
| 3203 | Adsorption characteristic of As(III) on goethite waste generated from hydrometallurgy of zinc. <i>Water Science and Technology</i> , 2017, 75, 2747-2754. | 1.2 | 4 |
| 3204 | Arsenic Adsorption Using the Adsorbent Synthesised from Oyster Shell. <i>Key Engineering Materials</i> , 0, 728, 327-334. | 0.4 | 4 |
| 3205 | Distribution of dissolved arsenic in a sedimentary environment from the near-surface to a depth of 2500Åm, and factors controlling distribution. <i>Applied Geochemistry</i> , 2017, 80, 168-175. | 1.4 | 2 |
| 3206 | Arsenic Migration and Transformation in Aquifer Sediments under Successive Redox Oscillations. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 384-387. | 0.6 | 3 |
| 3207 | Arsenic in Bangladeshi soils related to physiographic region, paddy management, and micro- and macro-elemental status. <i>Science of the Total Environment</i> , 2017, 590-591, 406-415. | 3.9 | 26 |
| 3208 | Enhanced Detoxification of Arsenic Under Carbon Starvation: A New Insight into Microbial Arsenic Physiology. <i>Current Microbiology</i> , 2017, 74, 614-622. | 1.0 | 20 |
| 3209 | Adsorptive properties of alluvial soil for arsenic(V) and its potential for protection of the shallow groundwater among Changsha, Zhuzhou, and Xiangtan cities, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4018-4028. | 2.7 | 3 |
| 3210 | High-performance iron oxideâ€“graphene oxide nanocomposite adsorbents for arsenic removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 161-172. | 2.3 | 165 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3211 | In Situ-mobilization of Arsenic in Groundwater – an Innovative Remediation Approach?. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 452-455. | 0.6 | 9 |
| 3212 | Structures and Properties of As(OH) ₃ Adsorption Complexes on Hydrated Mackinawite (FeS) Surfaces: A DFT-D2 Study. <i>Environmental Science & Technology</i> , 2017, 51, 3461-3470. | 4.6 | 49 |
| 3213 | Predicting soil arsenic pools by visible near infrared diffuse reflectance spectroscopy. <i>Geoderma</i> , 2017, 296, 30-37. | 2.3 | 29 |
| 3214 | Global Arsenic Contamination: Living With the Poison Nectar. <i>Environment</i> , 2017, 59, 24-28. | 0.8 | 21 |
| 3215 | Arsenic in the groundwater: Occurrence, toxicological activities, and remedies. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2017, 35, 84-103. | 2.9 | 27 |
| 3216 | Applying the HPT-GWS for Hydrostratigraphy, Water Quality and Aquifer Recharge Investigations. <i>Ground Water Monitoring and Remediation</i> , 2017, 37, 78-91. | 0.6 | 13 |
| 3217 | Use of batch leaching tests to quantify arsenic release from excavated urban soils with relatively low levels of arsenic. <i>Journal of Soils and Sediments</i> , 2017, 17, 2136-2143. | 1.5 | 18 |
| 3218 | Evaluation of amendments to reduce arsenic and antimony leaching from co-contaminated soils. <i>Chemosphere</i> , 2017, 174, 208-217. | 4.2 | 56 |
| 3219 | Determination of As concentration in earthworm coelomic fluid extracts by total-reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 130, 21-25. | 1.5 | 12 |
| 3220 | Mineralogy and geochemistry of tailings from a gold mine in northeastern Thailand. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 364-387. | 1.7 | 16 |
| 3221 | Arsenic behavior in different biogeochemical zonations approximately along the groundwater flow path in Datong Basin, northern China. <i>Science of the Total Environment</i> , 2017, 584-585, 458-468. | 3.9 | 12 |
| 3222 | Enhancement of As(^v) adsorption from aqueous solution by a magnetic chitosan/biochar composite. <i>RSC Advances</i> , 2017, 7, 10891-10900. | 1.7 | 106 |
| 3223 | Electrochemical Investigation of Arsenic Redox Processes on Pyrite. <i>Environmental Science & Technology</i> , 2017, 51, 3733-3741. | 4.6 | 25 |
| 3224 | Treatment of synthetic arsenate wastewater with iron-air fuel cell electrocoagulation to supply drinking water and electricity in remote areas. <i>Water Research</i> , 2017, 115, 278-286. | 5.3 | 34 |
| 3225 | Human health risk assessment of arsenic in groundwater aquifers of Lahore, Pakistan. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 836-850. | 1.7 | 67 |
| 3226 | Geochemical and mineralogical characterization of sulfur and iron in coal waste rock, Elk Valley, British Columbia, Canada. <i>Science of the Total Environment</i> , 2017, 586, 753-769. | 3.9 | 24 |
| 3227 | Bacterial iron-oxide nanowires from biofilm waste as a new adsorbent for the removal of arsenic from water. <i>RSC Advances</i> , 2017, 7, 3941-3948. | 1.7 | 23 |
| 3228 | Process effluents and mine tailings: sources, effects and management and role of nanotechnology. <i>Nanotechnology for Environmental Engineering</i> , 2017, 2, 1. | 2.0 | 40 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3229 | Nanomaterial-based electrochemical sensors for arsenic - A review. <i>Biosensors and Bioelectronics</i> , 2017, 95, 106-116. | 5.3 | 157 |
| 3230 | Porous Nanobimetallic Fe-Mn Cubes with High Valent Mn and Highly Efficient Removal of Arsenic(III). <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14868-14877. | 4.0 | 42 |
| 3231 | Investigation of Arsenotrophic Microbiome in Arsenic-Affected Bangladesh Groundwater. <i>Ground Water</i> , 2017, 55, 736-746. | 0.7 | 41 |
| 3232 | Assessment of chemical quality of groundwater in coastal volcano-sedimentary aquifer of Djibouti, Horn of Africa. <i>Journal of African Earth Sciences</i> , 2017, 131, 284-300. | 0.9 | 23 |
| 3233 | Impacts of environmental factors on arsenate biotransformation and release in <i>Microcystis aeruginosa</i> using the Taguchi experimental design approach. <i>Water Research</i> , 2017, 118, 167-176. | 5.3 | 24 |
| 3234 | Arsenic metabolism in high altitude modern stromatolites revealed by metagenomic analysis. <i>Scientific Reports</i> , 2017, 7, 1024. | 1.6 | 75 |
| 3235 | Geostatistics as a tool to improve the natural background level definition: An application in groundwater. <i>Science of the Total Environment</i> , 2017, 598, 330-340. | 3.9 | 37 |
| 3236 | Antimony and arsenic exhibit contrasting spatial distributions in the sediment and vegetation of a contaminated wetland. <i>Chemosphere</i> , 2017, 180, 388-395. | 4.2 | 46 |
| 3237 | The Unquantified Risk of Post-Fire Metal Concentration in Soil: a Review. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 23 |
| 3238 | Assessing the Geological Sources of Manganese in the Roanoke River Watershed, Virginia. <i>Environmental and Engineering Geoscience</i> , 2017, 23, 43-64. | 0.3 | 7 |
| 3239 | Microwave-assisted rapid synthesis of Mn ₃ O ₄ /ACF hybrid for high efficient As(V) removal. <i>Chemical Engineering Research and Design</i> , 2017, 121, 431-437. | 2.7 | 8 |
| 3240 | Simultaneous Oxidation and Sequestration of As(III) from Water by Using Redox Polymer-Based Fe(III) Oxide Nanocomposite. <i>Environmental Science & Technology</i> , 2017, 51, 6326-6334. | 4.6 | 124 |
| 3241 | High and fast adsorption efficiency of simultaneous As ⁺³ , As ⁺⁵ and F ⁻ by Al-doped magnetite synthesized via AACVD. <i>Journal of Alloys and Compounds</i> , 2017, 718, 414-424. | 2.8 | 10 |
| 3242 | Methylated Phenylarsenical Metabolites Discovered in Chicken Liver. <i>Angewandte Chemie</i> , 2017, 129, 6877-6881. | 1.6 | 7 |
| 3243 | Molybdenum in natural waters: A review of occurrence, distributions and controls. <i>Applied Geochemistry</i> , 2017, 84, 387-432. | 1.4 | 223 |
| 3244 | Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , 2017, 182, 31-39. | 4.2 | 117 |
| 3245 | The role of alluvial aquifer sediments in attenuating a dissolved arsenic plume. <i>Journal of Contaminant Hydrology</i> , 2017, 204, 90-101. | 1.6 | 11 |
| 3246 | Fate of arsenic before and after chemical-enhanced washing of an arsenic-containing soil in Hong Kong. <i>Science of the Total Environment</i> , 2017, 599-600, 679-688. | 3.9 | 96 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3247 | Effects of natural organic matter on the binding of arsenate and copper onto goethite. <i>Chemical Geology</i> , 2017, 459, 119-128. | 1.4 | 39 |
| 3248 | Efficient removal of arsenite through photocatalytic oxidation and adsorption by ZrO ₂ -Fe ₃ O ₄ magnetic nanoparticles. <i>Applied Surface Science</i> , 2017, 416, 656-665. | 3.1 | 68 |
| 3249 | Bifunctional magnesium oxide crystal successively as adsorbent and matrix modifier for preconcentration and determination of arsenic by graphite furnace atomic absorption spectrometry. <i>Microchemical Journal</i> , 2017, 133, 412-416. | 2.3 | 11 |
| 3250 | Impacts of urban wastewater and hydrogeochemistry of the São Mateus River, Espírito Santo, Brazil. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 3 |
| 3251 | Lead and Arsenic Bioaccessibility and Speciation as a Function of Soil Particle Size. <i>Journal of Environmental Quality</i> , 2017, 46, 1225-1235. | 1.0 | 25 |
| 3252 | Hydrochemistry and quality of groundwater in alluvial aquifer of Karonga, Malawi. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 18 |
| 3253 | Methylated Phenylarsenical Metabolites Discovered in Chicken Liver. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6773-6777. | 7.2 | 39 |
| 3254 | Aging and arsenite loading control arsenic mobility from ferrihydrite-arsenite coprecipitates. <i>Geoderma</i> , 2017, 299, 91-100. | 2.3 | 19 |
| 3255 | Arsenic distribution along different hydrogeomorphic zones in parts of the Brahmaputra River Valley, Assam (India). <i>Hydrogeology Journal</i> , 2017, 25, 1153-1163. | 0.9 | 11 |
| 3256 | Impacts of soil incorporation of pre-incubated silica-rich rice residue on soil biogeochemistry and greenhouse gas fluxes under flooding and drying. <i>Science of the Total Environment</i> , 2017, 593-594, 134-143. | 3.9 | 12 |
| 3257 | Arsenic vitrification by copper slag based glass: Mechanism and stability studies. <i>Journal of Non-Crystalline Solids</i> , 2017, 466-467, 21-28. | 1.5 | 49 |
| 3258 | Engineering metal (hydr)oxide sorbents for removal of arsenate and similar weak-acid oxyanion contaminants: A critical review with emphasis on factors governing sorption processes. <i>Science of the Total Environment</i> , 2017, 598, 258-271. | 3.9 | 69 |
| 3259 | Rapid assessment of regional soil arsenic pollution risk via diffuse reflectance spectroscopy. <i>Geoderma</i> , 2017, 289, 72-81. | 2.3 | 77 |
| 3260 | Geochemical fates and unusual distribution of arsenic in natural ferromanganese duricrust. <i>Applied Geochemistry</i> , 2017, 76, 74-87. | 1.4 | 9 |
| 3261 | New Arsenate Reductase Gene (<i>arrA</i>) PCR Primers for Diversity Assessment and Quantification in Environmental Samples. <i>Applied and Environmental Microbiology</i> , 2017, 83, . | 1.4 | 38 |
| 3262 | Arsenite and arsenate removals from groundwater by electrocoagulation using iron ball anodes: Influence of operating parameters. <i>Journal of Water Process Engineering</i> , 2017, 18, 83-91. | 2.6 | 25 |
| 3263 | Novel Magnetically Doped Epoxide Functional Cross-linked Hydrophobic Poly(lauryl methacrylate) Composite Polymer Particles for Removal of As(III) from Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7747-7756. | 1.8 | 13 |
| 3264 | Source profiling of arsenic and heavy metals in the Selangor River basin and their maternal and cord blood levels in Selangor State, Malaysia. <i>Chemosphere</i> , 2017, 184, 857-865. | 4.2 | 27 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3265 | Processes governing arsenic retardation on Pleistocene sediments: Adsorption experiments and model-based analysis. <i>Water Resources Research</i> , 2017, 53, 4344-4360. | 1.7 | 42 |
| 3266 | Simultaneous biosorption and bioaccumulation: a novel technique for the efficient removal of arsenic. <i>Sustainable Water Resources Management</i> , 2017, 3, 357-389. | 1.0 | 4 |
| 3267 | Groundwater quality in the alluvial aquifer system of northwest India: New evidence of the extent of anthropogenic and geogenic contamination. <i>Science of the Total Environment</i> , 2017, 599-600, 1433-1444. | 3.9 | 136 |
| 3268 | Arsenic biotransformation by a cyanobacterium <i>Nostoc</i> sp. PCC 7120. <i>Environmental Pollution</i> , 2017, 228, 111-117. | 3.7 | 34 |
| 3269 | Solid-phase arsenic speciation in aquifer sediments: A micro-X-ray absorption spectroscopy approach for quantifying trace-level speciation. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 228-255. | 1.6 | 34 |
| 3270 | Dose and chemical species-specific effects of selenium against arsenite toxicity in cultured hepatocytes of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Metallomics</i> , 2017, 9, 744-756. | 1.0 | 12 |
| 3271 | Arsenic(V) Removal from Drinking Water by Polyaluminum Chloride in a Sand Filter Medium. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, . | 0.7 | 3 |
| 3272 | Arsenic, iron and organic matter in quaternary aquifer sediments from western Hetao Basin, Inner Mongolia. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 473-483. | 1.1 | 3 |
| 3273 | Morphology-dependent enhancement of arsenite oxidation to arsenate on birnessite-type manganese oxide. <i>Chemical Engineering Journal</i> , 2017, 327, 235-243. | 6.6 | 38 |
| 3274 | Capacitive deionization of arsenic-contaminated groundwater in a single-pass mode. <i>Chemosphere</i> , 2017, 184, 924-931. | 4.2 | 62 |
| 3275 | Changes in the As solid speciation during weathering of volcanic ashes: A XAS study on Patagonian ashes and Chacopampean loess. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 212, 119-132. | 1.6 | 13 |
| 3276 | Simultaneous removal of several pharmaceuticals and arsenic on Zn-Fe mixed metal oxides: Combination of photocatalysis and adsorption. <i>Chemical Engineering Journal</i> , 2017, 328, 141-151. | 6.6 | 104 |
| 3277 | Competitive adsorption behaviors of arsenite and fluoride onto manganese-aluminum binary adsorbents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 185-194. | 2.3 | 19 |
| 3278 | Fabrication of Fe-FeOOH decorated graphene oxide-carbon nanotubes aerogel and its application in adsorption of arsenic species. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 105-114. | 5.0 | 117 |
| 3279 | The double influence mechanism of pH on arsenic removal by nano zero valent iron: electrostatic interactions and the corrosion of Fe ⁰ . <i>Environmental Science: Nano</i> , 2017, 4, 1544-1552. | 2.2 | 78 |
| 3280 | Electron Mobility and Trapping in Ferrihydrite Nanoparticles. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 216-226. | 1.2 | 21 |
| 3281 | Arsenic Contamination in the Environment. , 2017, , . | | 19 |
| 3282 | Nanospherical inorganic Fe core-organic shell necklaces for the removal of arsenic(V) and chromium(VI) from aqueous solution. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 109, 78-88. | 1.9 | 53 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3283 | Geographical variation and age-related dietary exposure to arsenic in rice from Bangladesh. <i>Science of the Total Environment</i> , 2017, 601-602, 122-131. | 3.9 | 48 |
| 3284 | Effective, Low-Cost Recovery of Toxic Arsenate Anions from Water by Using Hollow-Sphere Geode Traps. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1952-1964. | 1.7 | 36 |
| 3285 | Human health implications, risk assessment and remediation of As-contaminated water: A critical review. <i>Science of the Total Environment</i> , 2017, 601-602, 756-769. | 3.9 | 170 |
| 3286 | Modelling spatio-temporal heterogeneities in groundwater quality in Ghana: a multivariate chemometric approach. <i>Journal of Water and Health</i> , 2017, 15, 658-672. | 1.1 | 0 |
| 3287 | Arsenic: Source, Occurrence, Cycle, and Detection. , 2017, , 13-35. | | 10 |
| 3288 | Magnetic signature, geochemistry, and oral bioaccessibility of "technogenic" metals in contaminated industrial soils from Sindos Industrial Area, Northern Greece. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17041-17055. | 2.7 | 12 |
| 3289 | Role of indigenous microbiota from heavily contaminated sediments in the bioprecipitation of arsenic. <i>Journal of Hazardous Materials</i> , 2017, 339, 114-121. | 6.5 | 16 |
| 3290 | Remediation of groundwater contaminated with arsenic through enhanced natural attenuation: Batch and column studies. <i>Water Research</i> , 2017, 122, 545-556. | 5.3 | 20 |
| 3291 | Stable sulfur and oxygen isotopes as geochemical tracers of sulfate in karst waters. <i>Journal of Hydrology</i> , 2017, 551, 245-252. | 2.3 | 47 |
| 3292 | Effect of compost addition on arsenic uptake, morphological and physiological attributes of maize plants grown in contrasting soils. <i>Journal of Geochemical Exploration</i> , 2017, 178, 83-91. | 1.5 | 81 |
| 3293 | Arsenic, vanadium, iron, and manganese biogeochemistry in a deltaic wetland, southern Louisiana, USA. <i>Marine Chemistry</i> , 2017, 192, 32-48. | 0.9 | 36 |
| 3294 | Selective and Efficient Removal of Toxic Oxoanions of As(III), As(V), and Cr(VI) by Layered Double Hydroxide Intercalated with MoS ₄ ²⁻ . <i>Chemistry of Materials</i> , 2017, 29, 3274-3284. | 3.2 | 137 |
| 3295 | Arsenic-contaminated freshwater: assessing arsenate and arsenite toxicity and low-dose genotoxicity in <i>Gammarus elvirae</i> (Crustacea; Amphipoda). <i>Ecotoxicology</i> , 2017, 26, 581-588. | 1.1 | 20 |
| 3296 | Mechanisms of metal sorption by biochars: Biochar characteristics and modifications. <i>Chemosphere</i> , 2017, 178, 466-478. | 4.2 | 1,180 |
| 3297 | Nitric oxide signaling is involved in arsenic-induced guard cell death in <i>Vicia faba</i> L. (Fabaceae). <i>Revista Brasileira De Botanica</i> , 2017, 40, 635-642. | 0.5 | 10 |
| 3298 | A millimeter-scale observation of the competitive effect of phosphate on promotion of arsenic mobilization in sediments. <i>Chemosphere</i> , 2017, 180, 285-294. | 4.2 | 23 |
| 3299 | Density functional theory calculations on the adsorption of monomethylarsonic acid onto hydrated iron (oxyhydr)oxide clusters. <i>Computational and Theoretical Chemistry</i> , 2017, 1109, 58-63. | 1.1 | 11 |
| 3300 | Thermal groundwater contributions of arsenic and other trace elements to the middle Provo River, Utah, USA. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3301 | Performance comparison of two Olympus InnovX handheld x-ray analyzers for feasibility of measuring arsenic in skin in vivo – Alpha and Delta models. <i>Applied Radiation and Isotopes</i> , 2017, 123, 82-93. | 0.7 | 8 |
| 3302 | Metal(loid) speciation and size fractionation in sediment pore water depth profiles examined with a new meso profiling system. <i>Chemosphere</i> , 2017, 179, 185-193. | 4.2 | 10 |
| 3303 | Characterization of regional cold-hydrothermal inflows enriched in arsenic and associated trace-elements in the southern part of the Duero Basin (Spain), by multivariate statistical analysis. <i>Science of the Total Environment</i> , 2017, 593-594, 211-226. | 3.9 | 17 |
| 3304 | Nitrate Stimulates Anaerobic Microbial Arsenite Oxidation in Paddy Soils. <i>Environmental Science & Technology</i> , 2017, 51, 4377-4386. | 4.6 | 95 |
| 3305 | Combined Effect of Weak Magnetic Fields and Anions on Arsenite Sequestration by Zerovalent Iron: Kinetics and Mechanisms. <i>Environmental Science & Technology</i> , 2017, 51, 3742-3750. | 4.6 | 63 |
| 3306 | Evaluating stream sediment chemistry within an agricultural catchment of Lebanon, Northeastern USA. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 141. | 1.3 | 3 |
| 3307 | Facile one-pot construction of $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ heterojunction for arsenic removal by synchronous visible light catalysis oxidation and adsorption. <i>Materials Chemistry and Physics</i> , 2017, 194, 1-8. | 2.0 | 46 |
| 3308 | Groundwater arsenic contamination and its health effects in India. <i>Hydrogeology Journal</i> , 2017, 25, 1165-1181. | 0.9 | 84 |
| 3309 | Flexible biological arsenite oxidation utilizing NO_x and O_2 as alternative electron acceptors. <i>Chemosphere</i> , 2017, 178, 136-142. | 4.2 | 6 |
| 3310 | High resolution profile of inorganic aqueous geochemistry and key redox zones in an arsenic bearing aquifer in Cambodia. <i>Science of the Total Environment</i> , 2017, 590-591, 540-553. | 3.9 | 32 |
| 3311 | Hydrogeotoxicity from arsenic and uranium in the southern Duero Basin, Spain. <i>Journal of Geochemical Exploration</i> , 2017, 183, 197-205. | 1.5 | 5 |
| 3312 | Effect of cyclic redox oscillations on water quality in freshwater acid sulfate soil wetlands. <i>Science of the Total Environment</i> , 2017, 581-582, 314-327. | 3.9 | 31 |
| 3313 | The Removal of Arsenic and Uranium from Aqueous Solutions by Sorption onto Iron Oxide-Coated Zeolite (IOCZ). <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 10 |
| 3314 | Optimization of arsenite removal by adsorption onto organically modified montmorillonite clay: Experimental & theoretical approaches. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 376-383. | 1.2 | 25 |
| 3315 | Hydrogeochemical and isotopic evaluation of arsenic contaminated waters in an argillic alteration zone. <i>Journal of Geochemical Exploration</i> , 2017, 175, 1-10. | 1.5 | 33 |
| 3316 | Arsenic in groundwater in the southern lowlands of Nepal and its mitigation options: a review. <i>Environmental Reviews</i> , 2017, 25, 296-305. | 2.1 | 28 |
| 3317 | Synergistic effects of the combination of oxalate and ascorbate on arsenic extraction from contaminated soils. <i>Chemosphere</i> , 2017, 168, 1439-1446. | 4.2 | 20 |
| 3318 | The remarkable effect of the coexisting arsenite and arsenate species ratios on arsenic removal by manganese oxide. <i>Chemical Engineering Journal</i> , 2017, 315, 159-166. | 6.6 | 58 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3319 | Acute toxicity of arsenic to larvae of four New Zealand freshwater insect taxa. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2017, 51, 443-454. | 0.8 | 2 |
| 3320 | Recycled-tire pyrolytic carbon made functional: A high-arsenite [As(III)] uptake material PyrC 350 Å®. <i>Journal of Hazardous Materials</i> , 2017, 326, 177-186. | 6.5 | 21 |
| 3321 | Simultaneous and continuous stabilization of As and Pb in contaminated solution and soil by a ferrihydrite-gypsum sorbent. <i>Journal of Hazardous Materials</i> , 2017, 327, 171-179. | 6.5 | 36 |
| 3322 | Super absorbent polymer mitigates deleterious effects of arsenic in wheat. <i>Rhizosphere</i> , 2017, 3, 40-43. | 1.4 | 12 |
| 3323 | Combined toxicity of arsenite and dimethylarsenic acid on the freshwater diatom <i>Nitzschia palea</i> . <i>Ecotoxicology</i> , 2017, 26, 202-210. | 1.1 | 4 |
| 3324 | Sorption of arsenic to biogenic iron (oxyhydr)oxides produced in circumneutral environments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 194-207. | 1.6 | 76 |
| 3325 | pH dependent kinetic insights of electrocatalytic arsenite oxidation reactions at Pt surface. <i>Electrochimica Acta</i> , 2017, 225, 105-113. | 2.6 | 24 |
| 3326 | Use of Ion Chromatography for Monitoring Ionic Contaminants in Water. , 2017, , 353-391. | | 1 |
| 3327 | Arsenic Detoxification by <i>Geobacter</i> Species. <i>Applied and Environmental Microbiology</i> , 2017, 83, . | 1.4 | 27 |
| 3328 | Arsenic contamination of drinking water in Ireland: A spatial analysis of occurrence and potential risk. <i>Science of the Total Environment</i> , 2017, 579, 1863-1875. | 3.9 | 57 |
| 3329 | Titanium dioxide solid phase for inorganic species adsorption and determination: the case of arsenic. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10939-10948. | 2.7 | 6 |
| 3330 | Phytochelatin synthesis in <i>Dunaliella salina</i> induced by arsenite and arsenate under various phosphate regimes. <i>Ecotoxicology and Environmental Safety</i> , 2017, 136, 150-160. | 2.9 | 32 |
| 3331 | Characterization of Arsenic Biotransformation by a Typical Bryophyte <i>Physcomitrella patens</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 98, 251-256. | 1.3 | 3 |
| 3332 | Influence of humic acid on the removal of arsenate and arsenic by ferric chloride: effects of pH, As/Fe ratio, initial As concentration, and co-existing solutes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2381-2393. | 2.7 | 27 |
| 3333 | Arsenate and Selenate Scavenging by Basaluminite: Insights into the Reactivity of Aluminum Phases in Acid Mine Drainage. <i>Environmental Science & Technology</i> , 2017, 51, 28-37. | 4.6 | 37 |
| 3334 | Pyrite oxidation in the presence of hematite and alumina: I. Batch leaching experiments and kinetic modeling calculations. <i>Science of the Total Environment</i> , 2017, 580, 687-698. | 3.9 | 115 |
| 3335 | Effect of methanol addition on generation of isobaric polyatomic ions in the analysis of arsenic with ICP-MS. <i>Microchemical Journal</i> , 2017, 131, 170-173. | 2.3 | 4 |
| 3336 | Screening of Basmati Rice Varieties for their Arsenic Accumulation in Punjab, North-West India. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 2381-2389. | 0.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3337 | A mass balance approach to investigate arsenic cycling in a petroleum plume. <i>Environmental Pollution</i> , 2017, 231, 1351-1361. | 3.7 | 18 |
| 3338 | Microband Sensor for As(III) Analysis: Reduced Matrix Interference. <i>Electroanalysis</i> , 2017, 29, 2332-2339. | 1.5 | 3 |
| 3339 | Elevated Trimethylarsine Oxide and Inorganic Arsenic in Northern Hemisphere Summer Monsoonal Wet Deposition. <i>Environmental Science & Technology</i> , 2017, 51, 12210-12218. | 4.6 | 14 |
| 3340 | Investigating water quality and arsenic contamination in drinking water resources in the TavÅŸanlÄ± District (KÄ¼tahya, Western Turkey). <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 11 |
| 3341 | Quantification of health risks in Ecuadorian population due to dietary ingestion of arsenic in rice. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27457-27468. | 2.7 | 11 |
| 3342 | Arsenic in the health of ecosystems: spatial distribution in water, sediment and aquatic biota of Pampean streams. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 542. | 1.3 | 15 |
| 3343 | Health risk assessment of arsenic from blended water in distribution systems. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 1322-1329. | 0.9 | 7 |
| 3344 | Arbuscular mycorrhiza reduces the negative effects of <i>M. phaseolina</i> on soybean plants in arsenic-contaminated soils. <i>Applied Soil Ecology</i> , 2017, 121, 41-47. | 2.1 | 43 |
| 3345 | Structure, acidity, and metal complexing properties of oxythioarsenites in hydrothermal solutions. <i>Chemical Geology</i> , 2017, 471, 131-140. | 1.4 | 1 |
| 3346 | Arsenic-related microorganisms in groundwater: a review on distribution, metabolic activities and potential use in arsenic removal processes. <i>Reviews in Environmental Science and Biotechnology</i> , 2017, 16, 647-665. | 3.9 | 42 |
| 3347 | Factors affecting arsenic content of unconsolidated sediments and its mobilization in the Ishikari Plain, Hokkaido, Japan. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 10 |
| 3348 | Biomarker-indicated extent of oxidation of plant-derived organic carbon (OC) in relation to geomorphology in an arsenic contaminated Holocene aquifer, Cambodia. <i>Scientific Reports</i> , 2017, 7, 13093. | 1.6 | 16 |
| 3349 | Estimating the High-Arsenic Domestic-Well Population in the Conterminous United States. <i>Environmental Science & Technology</i> , 2017, 51, 12443-12454. | 4.6 | 172 |
| 3350 | Separation of arsenic from hazardous As-bearing acidic leached zinc plant purification filter cake selectively by caustic baking and water leaching. <i>Hydrometallurgy</i> , 2017, 173, 232-240. | 1.8 | 9 |
| 3351 | Zinc-arsenic interactions in soil: Solubility, toxicity and uptake. <i>Chemosphere</i> , 2017, 187, 357-367. | 4.2 | 22 |
| 3352 | Simultaneous leaching of arsenite, arsenate, selenite and selenate, and their migration in tunnel-excavated sedimentary rocks: II. Kinetic and reactive transport modeling. <i>Chemosphere</i> , 2017, 188, 444-454. | 4.2 | 60 |
| 3353 | Extensive arsenic contamination in high-pH unconfined aquifers in the Indus Valley. <i>Science Advances</i> , 2017, 3, e1700935. | 4.7 | 178 |
| 3354 | Assessment of arsenic health risk and source apportionment of groundwater pollutants using multivariate statistical techniques in Chapai-Nawabganj district, Bangladesh. <i>Journal of the Geological Society of India</i> , 2017, 90, 239-248. | 0.5 | 43 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3355 | Phosphate enhanced abiotic and biotic arsenic mobilization in the wetland rhizosphere. <i>Chemosphere</i> , 2017, 187, 130-139. | 4.2 | 16 |
| 3356 | Effects of an Extreme Flood on Trace Elements in River Water—From Urban Stream to Major River Basin. <i>Environmental Science & Technology</i> , 2017, 51, 10344-10356. | 4.6 | 23 |
| 3357 | Novel Dendrimerlike Magnetic Biosorbent Based on Modified Orange Peel Waste: Adsorption—Reduction Behavior of Arsenic. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9692-9700. | 3.2 | 59 |
| 3358 | Unusual arsenic metabolism in Giant Pandas. <i>Chemosphere</i> , 2017, 189, 418-425. | 4.2 | 1 |
| 3359 | Novel arsenic-transforming bacteria and the diversity of their arsenic-related genes and enzymes arising from arsenic-polluted freshwater sediment. <i>Scientific Reports</i> , 2017, 7, 11231. | 1.6 | 98 |
| 3360 | Effect of phosphate minerals on phytoremediation of arsenic contaminated groundwater using an arsenic-hyperaccumulator. <i>Environmental Technology and Innovation</i> , 2017, 8, 366-372. | 3.0 | 14 |
| 3361 | Nanowires of <i>Geobacter sulfurreducens</i> Require Redox Cofactors to Reduce Metals in Pore Spaces Too Small for Cell Passage. <i>Environmental Science & Technology</i> , 2017, 51, 11660-11668. | 4.6 | 34 |
| 3362 | The influence of thermal treatment on bioweathering and arsenic sorption capacity of a natural iron (oxyhydr)oxide-based adsorbent. <i>Chemosphere</i> , 2017, 188, 99-109. | 4.2 | 8 |
| 3363 | Porous Materials Modified with Fe ₃ O ₄ Nanoparticles for Arsenic Removal in Drinking Water. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 16 |
| 3364 | Phosphate-arsenate relations to affect arsenic concentration in plant tissues, growth, and antioxidant efficiency of sunflower (<i>Helianthus annuus</i> L.) under arsenic stress. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24376-24386. | 2.7 | 22 |
| 3365 | Development of inexpensive biosorbents from de-oiled mustard cake for effective removal of As(V) and Pb(II) ions from their aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4728-4741. | 3.3 | 13 |
| 3366 | Predicting redox-sensitive contaminant concentrations in groundwater using random forest classification. <i>Water Resources Research</i> , 2017, 53, 7316-7331. | 1.7 | 84 |
| 3367 | Arsenate interaction with the surface of nanomagnetic particles. High adsorption or full release. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4917-4922. | 3.3 | 12 |
| 3368 | Conventional as well as Emerging Arsenic Removal Technologies—a Critical Review. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 67 |
| 3369 | Tracing environmental aetiological factors of chronic kidney diseases in the dry zone of Sri Lanka—a hydrogeochemical and isotope approach. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 44, 298-306. | 1.5 | 78 |
| 3370 | Emerging investigator series: As(^v) in magnetite: incorporation and redistribution. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1208-1219. | 1.7 | 8 |
| 3371 | Carbon nanosphere—iron oxide nanocomposites as high-capacity adsorbents for arsenic removal. <i>RSC Advances</i> , 2017, 7, 36138-36148. | 1.7 | 25 |
| 3372 | Bioaccumulation kinetics of arsenite and arsenate in <i>Dunaliella salina</i> under different phosphate regimes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21213-21221. | 2.7 | 34 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3373 | Assessing human metal accumulations in an urban superfund site. <i>Environmental Toxicology and Pharmacology</i> , 2017, 54, 112-119. | 2.0 | 9 |
| 3374 | Kinetic equilibrium and thermodynamic study of arsenic removal from water using alumina supported iron nano particles. <i>Journal of Water Process Engineering</i> , 2017, 19, 51-59. | 2.6 | 30 |
| 3375 | Lessons Learned from Arsenic Mitigation among Private Well Households. <i>Current Environmental Health Reports</i> , 2017, 4, 373-382. | 3.2 | 19 |
| 3376 | Comparison of contrasting gold mine processing residues in a temperate rain forest, New Zealand. <i>Applied Geochemistry</i> , 2017, 84, 61-75. | 1.4 | 10 |
| 3378 | Removal of heavy metal ions from water using ion flotation. <i>Environmental Technology and Innovation</i> , 2017, 8, 182-190. | 3.0 | 116 |
| 3379 | Epigenetic mechanisms underlying the toxic effects associated with arsenic exposure and the development of diabetes. <i>Food and Chemical Toxicology</i> , 2017, 107, 406-417. | 1.8 | 34 |
| 3381 | First observation of labile arsenic stratification in aluminum sulfate-amended sediments using high resolution Zr-oxide DGT. <i>Science of the Total Environment</i> , 2017, 609, 304-310. | 3.9 | 19 |
| 3382 | Simultaneous leaching of arsenite, arsenate, selenite and selenate, and their migration in tunnel-excavated sedimentary rocks: I. Column experiments under intermittent and unsaturated flow. <i>Chemosphere</i> , 2017, 186, 558-569. | 4.2 | 86 |
| 3383 | Arsenic enrichment in sediment on the eastern continental shelf of Brazil. <i>Science of the Total Environment</i> , 2017, 607-608, 304-316. | 3.9 | 53 |
| 3384 | Weathering and evaporation controls on dissolved uranium concentrations in groundwater – A case study from northern Burundi. <i>Science of the Total Environment</i> , 2017, 607-608, 281-293. | 3.9 | 29 |
| 3385 | Arsenic, manganese and aluminum contamination in groundwater resources of Western Amazonia (Peru). <i>Science of the Total Environment</i> , 2017, 607-608, 1437-1450. | 3.9 | 67 |
| 3386 | Current and future microbiological strategies to remove As and Cd from drinking water. <i>Microbial Biotechnology</i> , 2017, 10, 1098-1101. | 2.0 | 8 |
| 3387 | Molecular characterization of rice arsenic-induced RING finger E3 ligase 2 (<i>OsAIR2</i>) and its heterogeneous overexpression in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2017, 161, 372-384. | 2.6 | 19 |
| 3388 | Enhanced Arsenic Mobility in a Dystrophic Water Reservoir System After Acidification Recovery. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 0 |
| 3389 | Biogeochemical factors controlling arsenic distribution in a densely populated tropical estuary (Guanabara Bay, RJ, Brazil). <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 14 |
| 3390 | Cigarette soot activated carbon modified with Fe ₃ O ₄ nanoparticles as an effective adsorbent for As(III) and As(V): Material preparation, characterization and adsorption mechanism study. <i>Journal of Molecular Liquids</i> , 2017, 243, 395-405. | 2.3 | 59 |
| 3391 | Iron oxide and its modified forms as an adsorbent for arsenic removal: A comprehensive recent advancement. <i>Chemical Engineering Research and Design</i> , 2017, 111, 592-626. | 2.7 | 248 |
| 3392 | The impact of sewage-contaminated river water on groundwater ammonium and arsenic concentrations at a riverbank filtration site in central Delhi, India. <i>Hydrogeology Journal</i> , 2017, 25, 2185-2197. | 0.9 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3393 | Enhancing immobilization of arsenic in groundwater: A model-based evaluation. <i>Journal of Cleaner Production</i> , 2017, 166, 449-457. | 4.6 | 7 |
| 3394 | A simple method for monitoring of removal of arsenic species from drinking water applying on-site separation with solid phase extraction and detection by atomic absorption and X-ray fluorescence based techniques. <i>Microchemical Journal</i> , 2017, 135, 105-113. | 2.3 | 21 |
| 3395 | Groundwater appraisal of Dhekiajuli, Assam, India: an insight of agricultural suitability and arsenic enrichment. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 4 |
| 3396 | Standards for arsenic in drinking water: Implications for policy in Mexico. <i>Journal of Public Health Policy</i> , 2017, 38, 395-406. | 1.0 | 40 |
| 3397 | Enhanced Removal of Arsenic from Water by Synthetic Nanocrystalline Iowaitite. <i>Scientific Reports</i> , 2017, 7, 17546. | 1.6 | 29 |
| 3398 | Multiscale Characterization and Quantification of Arsenic Mobilization and Attenuation During Injection of Treated Coal Seam Gas Coproduced Water into Deep Aquifers. <i>Water Resources Research</i> , 2017, 53, 10779-10801. | 1.7 | 22 |
| 3399 | Adsorption Behavior of Arsenic to an Isolated Ferric Ion Combined on Chelate Resin. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 1372-1374. | 2.0 | 4 |
| 3400 | Microbial Community Structure and Arsenic Biogeochemistry in Two Arsenic-Impacted Aquifers in Bangladesh. <i>MBio</i> , 2017, 8, . | 1.8 | 46 |
| 3401 | Arsenite and arsenate immobilization by preformed and concurrently formed disordered mackinawite (FeS). <i>Chemical Geology</i> , 2017, 475, 62-75. | 1.4 | 23 |
| 3402 | Solution Chemistry of Arsenic Anions in the Presence of Metal Cations. <i>Journal of Solution Chemistry</i> , 2017, 46, 2231-2247. | 0.6 | 9 |
| 3403 | Experimental simulation of arsenic desorption from Quaternary aquifer sediments following sea water intrusion. <i>Applied Geochemistry</i> , 2017, 87, 176-187. | 1.4 | 22 |
| 3404 | Mobile Arsenic Distribution and Release Kinetics in Sediment Profiles under Varying pH Conditions. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 12 |
| 3405 | Contamination of potentially toxic elements in streams and water sediments in the area of abandoned Pb-Zn-Cu deposits (Hrubá Jesenná, Czech Republic). <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 92, 012037. | 0.2 | 4 |
| 3406 | 2D Fe ₃ O ₄ Nanosheets for Effective Arsenic Removal. <i>Journal of Contemporary Water Research and Education</i> , 2017, 160, 132-143. | 0.7 | 9 |
| 3408 | Holocene estuarine sediments as a source of arsenic in Pleistocene groundwater in suburbs of Hanoi, Vietnam. <i>Hydrogeology Journal</i> , 2017, 25, 1137-1152. | 0.9 | 8 |
| 3409 | Combined effects of co-existing anions on the removal of arsenic from groundwater by electrocoagulation process: Optimization through response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3792-3802. | 3.3 | 24 |
| 3410 | Soluble components of sediments and their relation with dissolved arsenic in aquifers from the Hetao Basin, Inner Mongolia. <i>Journal of Soils and Sediments</i> , 2017, 17, 2899-2911. | 1.5 | 11 |
| 3411 | Response of Soil Microbial Communities to Elevated Antimony and Arsenic Contamination Indicates the Relationship between the Innate Microbiota and Contaminant Fractions. <i>Environmental Science & Technology</i> , 2017, 51, 9165-9175. | 4.6 | 133 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3412 | Preparation of nanoscale iron (oxide, oxyhydroxides and zero-valent) particles derived from blueberries: Reactivity, characterization and removal mechanism of arsenate. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 69-77. | 2.9 | 57 |
| 3413 | Variations in hydrostratigraphy and groundwater quality between major geomorphic units of the Western Ganges Delta plain, SW Bangladesh. <i>Applied Water Science</i> , 2017, 7, 2919-2932. | 2.8 | 15 |
| 3414 | Bioremoval of arsenic (V) from aqueous solutions by chemically modified fungal biomass. <i>3 Biotech</i> , 2017, 7, 226. | 1.1 | 14 |
| 3415 | Arsenate removal from aqueous solution by siderite synthesized under high temperature and high pressure. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19402-19411. | 2.7 | 8 |
| 3416 | Characterization of arsenic species in the anaerobic granular sludge treating roxarsone-contaminated wastewater. <i>Chemical Engineering Journal</i> , 2017, 327, 162-168. | 6.6 | 11 |
| 3417 | Arsenic Removal from Contaminated Water Using the CaO-SiO ₂ -FeO Glassy Phase in Steelmaking Slag. <i>Journal of Sustainable Metallurgy</i> , 2017, 3, 470-485. | 1.1 | 7 |
| 3418 | Quantifying Reactive Transport Processes Governing Arsenic Mobility after Injection of Reactive Organic Carbon into a Bengal Delta Aquifer. <i>Environmental Science & Technology</i> , 2017, 51, 8471-8480. | 4.6 | 29 |
| 3419 | Effect of sulfide on As(III) and As(V) sequestration by ferrihydrite. <i>Chemosphere</i> , 2017, 185, 321-328. | 4.2 | 21 |
| 3420 | Arsenic and fluoride co-contamination in shallow aquifers from agricultural suburbs and an industrial area of Punjab, Pakistan: Spatial trends, sources and human health implications. <i>Toxicology and Industrial Health</i> , 2017, 33, 655-672. | 0.6 | 27 |
| 3421 | Effects of Additional Layer(s) on the Mobility of Arsenic from Hydrothermally Altered Rock in Laboratory Column Experiments. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 16 |
| 3422 | Rapid Release of Arsenite from Roxarsone Bioreduction by Exoelectrogenic Bacteria. <i>Environmental Science and Technology Letters</i> , 2017, 4, 350-355. | 3.9 | 58 |
| 3424 | Mechanical investigation of U(VI) on pyrrhotite by batch, EXAFS and modeling techniques. <i>Journal of Hazardous Materials</i> , 2017, 322, 488-498. | 6.5 | 63 |
| 3425 | On the relation between fluvio-deltaic flood basin geomorphology and the wide-spread occurrence of arsenic pollution in shallow aquifers. <i>Science of the Total Environment</i> , 2017, 574, 901-913. | 3.9 | 52 |
| 3426 | Does arsenic increase the risk of neural tube defects among a highly exposed population? A new case-control study in Bangladesh. <i>Birth Defects Research</i> , 2017, 109, 92-98. | 0.8 | 23 |
| 3427 | Adsorption of As(III) and As(V) compounds on Fe ₃ O ₄ (0 0 1) surfaces: A first principle study. <i>Computational Materials Science</i> , 2017, 127, 110-120. | 1.4 | 18 |
| 3428 | Speciation and hydrological transport of metals in non-acidic river systems of the Lake Baikal basin: Field data and model predictions. <i>Regional Environmental Change</i> , 2017, 17, 2007-2021. | 1.4 | 25 |
| 3429 | Tracing the Significance of River for Arsenic Enrichment and Mobilization. , 2017, , 139-149. | | 0 |
| 3430 | Assessment of arsenic, fluoride, bacteria, and other contaminants in drinking water sources for rural communities of Kasur and other districts in Punjab, Pakistan. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2449-2463. | 2.7 | 29 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3431 | Heavy metal dispersion in water saturated and water unsaturated soil of Bengal delta region, India. <i>Chemosphere</i> , 2017, 168, 807-816. | 4.2 | 30 |
| 3432 | Effective and selective adsorption of As(III) via imprinted magnetic Fe ₃ O ₄ /HTCC composite nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 16-25. | 3.3 | 34 |
| 3433 | Review of arsenic metallurgy: Treatment of arsenical minerals and the immobilization of arsenic. <i>Hydrometallurgy</i> , 2017, 174, 258-281. | 1.8 | 296 |
| 3434 | Assessment of some potential harmful trace elements (PHTEs) in the borehole water of Greater Giyani, Limpopo Province, South Africa: possible implications for human health. <i>Environmental Geochemistry and Health</i> , 2017, 39, 1201-1219. | 1.8 | 9 |
| 3435 | Spatially Resolved XAFS. , 2017, , 133-147. | | 2 |
| 3436 | Toxicology of arsenic in fish and aquatic systems. <i>Environmental Chemistry Letters</i> , 2017, 15, 43-64. | 8.3 | 127 |
| 3437 | The influence of hydrous ferric oxide, earthworms, and a hypertolerant plant on arsenic and iron bioavailability, fate, and transport in soils. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27710-27723. | 2.7 | 3 |
| 3438 | The genetic basis of anoxygenic photosynthetic arsenite oxidation. <i>Environmental Microbiology</i> , 2017, 19, 130-141. | 1.8 | 37 |
| 3439 | Green macroalgae from the Romanian coast of Black Sea: Physico-chemical characterization and future perspectives on their use as metal anions biosorbents. <i>Chemical Engineering Research and Design</i> , 2017, 108, 34-43. | 2.7 | 23 |
| 3440 | Role of sulfur redox cycling on arsenic mobilization in aquifers of Datong Basin, northern China. <i>Applied Geochemistry</i> , 2017, 77, 31-43. | 1.4 | 44 |
| 3441 | Occurrence and methods to remove arsenic and fluoride contamination in water. <i>Environmental Chemistry Letters</i> , 2017, 15, 125-149. | 8.3 | 67 |
| 3442 | Effect of reaction temperature on the size and morphology of scorodite synthesized using ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 598-604. | 3.8 | 16 |
| 3443 | Potential of <i>Micranthemum umbrosum</i> for phytofiltration of organic arsenic species from oxic water environment. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 285-290. | 1.8 | 6 |
| 3444 | Quality of tube well water intended for irrigation and human consumption with special emphasis on arsenic contamination at the area of Punjab, Pakistan. <i>Environmental Geochemistry and Health</i> , 2017, 39, 847-863. | 1.8 | 56 |
| 3445 | Toxicity and bioremediation of As(III) and As(V) in the green microalgae <i>Botryococcus braunii</i> : A laboratory study. <i>International Journal of Phytoremediation</i> , 2017, 19, 157-173. | 1.7 | 7 |
| 3446 | ARSENIC ADSORPTION FROM WATER USING GRAPHENE-BASED MATERIALS AS ADSORBENTS: A CRITICAL REVIEW. <i>Surface Review and Letters</i> , 2017, 24, 1730001. | 0.5 | 30 |
| 3447 | Carotenoids in fresh and processed tomato (<i>Solanum lycopersicum</i>) fruits protect cells from oxidative stress injury. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 1616-1623. | 1.7 | 42 |
| 3448 | Ethanol mediated As(III) adsorption onto Zn-loaded pinecone biochar: Experimental investigation, modeling, and optimization using hybrid artificial neural network-genetic algorithm approach. <i>Journal of Environmental Sciences</i> , 2017, 54, 114-125. | 3.2 | 37 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3449 | Novel mesoporous FeAl bimetal oxides for As(III) removal: Performance and mechanism. <i>Chemosphere</i> , 2017, 169, 297-307. | 4.2 | 16 |
| 3450 | Geochemistry of arsenic in low sulfide-high carbonate coal waste rock, Elk Valley, British Columbia, Canada. <i>Science of the Total Environment</i> , 2017, 579, 396-408. | 3.9 | 20 |
| 3451 | Metabolomic changes in response to toxic arsenite. <i>Environmental Microbiology</i> , 2017, 19, 413-414. | 1.8 | 0 |
| 3452 | Adsorption of As(III) on porous hematite synthesized from goethite concentrate. <i>Chemosphere</i> , 2017, 169, 188-193. | 4.2 | 41 |
| 3453 | Experimental evaluation of sampling, storage and analytical protocols for measuring arsenic speciation in sulphidic hot spring waters. <i>Microchemical Journal</i> , 2017, 130, 162-167. | 2.3 | 16 |
| 3454 | Landscape control on the hydrogeochemistry of As, Co and Pb in a boreal stream network. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 194-213. | 1.6 | 2 |
| 3455 | Comparative study on the hydrogeochemical environment at the major drinking water based arsenism areas. <i>Applied Geochemistry</i> , 2017, 77, 62-67. | 1.4 | 5 |
| 3456 | Distribution of groundwater arsenic in Xinjiang, P.R. China. <i>Applied Geochemistry</i> , 2017, 77, 116-125. | 1.4 | 35 |
| 3457 | 9. Sample Pretreatment for Trace Speciation Analysis. , 2017, , 392-418. | | 2 |
| 3458 | Carbonate stable isotope constraints on sources of arsenic contamination in Neogene tufas and travertines of Attica, Greece. <i>Open Geosciences</i> , 2017, 9, . | 0.6 | 1 |
| 3459 | Arsenic Contamination in Agricultural Soil Reduces Metabolic Activity of Total and Free-Living Nitrogen-Fixing Bacteria as Revealed by Real-Time qPCR. <i>Soil and Sediment Contamination</i> , 2017, 26, 736-748. | 1.1 | 7 |
| 3460 | Analysis of mine waste by geochemical and geophysical methods (a case study of the mine tailing dump) Tj ETQq1 1 0.784314 rgBT /O | 0.3 | 20 |
| 3461 | Modeling and Evaluating the Performance of River Sediment on Immobilizing Arsenic from Hydrothermally Altered Rock in Laboratory Column Experiments with Hydrus-1D. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 6 |
| 3462 | Seasonal Hydrological Inputs of Major Ions and Trace Metal Composition in Streams Draining the Mineralized Lom Basin, East Cameroon: Basis for Environmental Studies. <i>Earth Systems and Environment</i> , 2017, 1, 1. | 3.0 | 11 |
| 3463 | Arsenic Contamination of Groundwater in the Midwestern Part of Saitama Prefecture and Analysis of the Arsenic Release Mechanism by Selective Extraction of Iron Oxides. <i>Journal of Japan Society on Water Environment</i> , 2017, 40, 135-143. | 0.1 | 0 |
| 3464 | Synthesis of arsenic sorbent by the reaction of magnesium hydroxide with aqueous iron(III) chloride solution. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 1469-1474. | 0.1 | 0 |
| 3465 | Dissolved arsenic in the shallow alluvial aquifers in North Brahmaputra Plain, India: a case study in and around lower Jia Bharali River basin. <i>Applied Water Science</i> , 2017, 7, 2967-2974. | 2.8 | 1 |
| 3466 | Wet precipitation in northern Argentina: chemical characterization of soluble components in the Lerma Valley, Salta.. <i>Andean Geology</i> , 2017, 44, 59. | 0.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3467 | Oncogenomic disruptions in arsenic-induced carcinogenesis. <i>Oncotarget</i> , 2017, 8, 25736-25755. | 0.8 | 47 |
| 3468 | As(V) Sorption/Desorption on Different Waste Materials and Soil Samples. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 803. | 1.2 | 10 |
| 3469 | Interlayer Structures and Dynamics of Arsenate and Arsenite Intercalated Layered Double Hydroxides: A First Principles Study. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 53. | 0.8 | 5 |
| 3470 | Schwertmannite Adherence to the Reactor Wall during the Bio-Synthesis Process and Deterioration of Its Structural Characteristics and Arsenic(III) Removal Efficiency. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 64. | 0.8 | 10 |
| 3471 | Reactive Transport Modeling for Mobilization of Arsenic in a Sediment Downgradient from an Iron Permeable Reactive Barrier. <i>Water (Switzerland)</i> , 2017, 9, 890. | 1.2 | 4 |
| 3472 | Removal of Arsenic Using Acid/Metal-Tolerant Sulfate Reducing Bacteria: A New Approach for Bioremediation of High-Arsenic Acid Mine Waters. <i>Water (Switzerland)</i> , 2017, 9, 994. | 1.2 | 32 |
| 3473 | Biomethylation and Volatilization of Arsenic by Model Protozoan <i>Tetrahymena pyriformis</i> under Different Phosphate Regimes. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 188. | 1.2 | 5 |
| 3474 | Removal of Arsenic (V) from Aqueous Solutions Using Chitosan-Red Scoria and Chitosan-Pumice Blends. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 895. | 1.2 | 25 |
| 3475 | Arsenic Removal from Groundwater by Solar Driven Inline-Electrolytic Induced Co-Precipitation and Filtration—A Long Term Field Test Conducted in West Bengal. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1167. | 1.2 | 18 |
| 3476 | Hazard Ranking Method for Populations Exposed to Arsenic in Private Water Supplies: Relation to Bedrock Geology. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1490. | 1.2 | 6 |
| 3477 | Biogeochemical Controls on the Release and Accumulation of Mn and As in Shallow Aquifers, West Bengal, India. <i>Frontiers in Environmental Science</i> , 2017, 5, . | 1.5 | 40 |
| 3478 | Sub-surface Biogeochemical Characteristics and Its Effect on Arsenic Cycling in the Holocene Gray Sand Aquifers of the Lower Bengal Basin. <i>Frontiers in Environmental Science</i> , 2017, 5, . | 1.5 | 16 |
| 3479 | Endophytic Fungi <i>Piriformospora indica</i> Mediated Protection of Host from Arsenic Toxicity. <i>Frontiers in Microbiology</i> , 2017, 8, 754. | 1.5 | 98 |
| 3480 | Phylogenetic Structure and Metabolic Properties of Microbial Communities in Arsenic-Rich Waters of Geothermal Origin. <i>Frontiers in Microbiology</i> , 2017, 8, 2468. | 1.5 | 17 |
| 3481 | Estimated Dietary Intakes of Toxic Elements from Four Staple Foods in Najran City, Saudi Arabia. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1575. | 1.2 | 23 |
| 3482 | Combinatorial effects of zinc deficiency and arsenic exposure on zebrafish (<i>Danio rerio</i>) development. <i>PLoS ONE</i> , 2017, 12, e0183831. | 1.1 | 31 |
| 3483 | Sample Pretreatment for Trace Speciation Analysis. <i>Physical Sciences Reviews</i> , 2017, 2, . | 0.8 | 2 |
| 3484 | Removal of arsenic(III,V) by a granular Mn-oxide-doped Al oxide adsorbent: surface characterization and performance. <i>Environmental Science and Pollution Research</i> , 2017, 24, 18505-18519. | 2.7 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3485 | Implementation of ferric hydroxide-based media for removal of toxic metalloids. E3S Web of Conferences, 2017, 22, 00175. | 0.2 | 1 |
| 3486 | Arsenic and fluoride in water in northwestern Buenos Aires: their association with natural landscape elements. Journal of Geography and Regional Planning, 2017, 10, 8-27. | 0.2 | 3 |
| 3489 | Capacity and recycling of polyoxometalate applied in As(III) oxidation by Fe(II)-Amended zero-valent aluminum. Chemosphere, 2018, 200, 1-7. | 4.2 | 12 |
| 3490 | Effects of Fe-S-As coupled redox processes on arsenic mobilization in shallow aquifers of Datong Basin, northern China. Environmental Pollution, 2018, 237, 28-38. | 3.7 | 33 |
| 3491 | Influence of calcium and phosphate on pH dependency of arsenite and arsenate adsorption to goethite. Chemosphere, 2018, 199, 617-624. | 4.2 | 67 |
| 3492 | Rapid arsenic(V)-reduction by fire in schwertmannite-rich soil enhances arsenic mobilisation. Geochimica Et Cosmochimica Acta, 2018, 227, 1-18. | 1.6 | 19 |
| 3493 | Mercury behaviour and C, N, and P biogeochemical cycles during ecological restoration processes of old mining sites in French Guiana. Environmental Sciences: Processes and Impacts, 2018, 20, 657-672. | 1.7 | 9 |
| 3494 | A unique arsenic speciation profile in <i>Elaphomyces</i> spp. (truffle) trimethylarsine oxide and methylarsonous acid as significant arsenic compounds. Analytical and Bioanalytical Chemistry, 2018, 410, 2283-2290. | 1.9 | 30 |
| 3495 | Simultaneous influence of indigenous microorganism along with abiotic factors controlling arsenic mobilization in Brahmaputra floodplain, India. Journal of Contaminant Hydrology, 2018, 213, 1-14. | 1.6 | 34 |
| 3496 | Predicting the risk of groundwater arsenic contamination in drinking water wells. Journal of Hydrology, 2018, 560, 318-325. | 2.3 | 24 |
| 3497 | A hydrazine-based thiocarbamide probe for colorimetric and turn-on fluorometric detection of PO_4^{3-} and AsO_3^{3-} in semi-aqueous medium. New Journal of Chemistry, 2018, 42, 6236-6246. | 1.4 | 24 |
| 3498 | Microbial Cycling of Arsenic in the Aquifers of Bengal Delta Plains (BDP). Microorganisms for Sustainability, 2018, , 91-108. | 0.4 | 4 |
| 3499 | Effects of elevated sulfate concentration on the mobility of arsenic in the sediment-water interface. Ecotoxicology and Environmental Safety, 2018, 154, 311-320. | 2.9 | 22 |
| 3500 | Maternal arsenic exposure and birth outcomes: A birth cohort study in Wuhan, China. Environmental Pollution, 2018, 236, 817-823. | 3.7 | 51 |
| 3501 | Mechanism of arsenic resistance in endophytic bacteria isolated from endemic plant of mine tailings and their arsenophore production. Archives of Microbiology, 2018, 200, 883-895. | 1.0 | 27 |
| 3502 | Geochemistry of geothermal fluids with implications on the sources of water and heat recharge to the Rekeng high-temperature geothermal system in the Eastern Himalayan Syntax. Geothermics, 2018, 74, 92-105. | 1.5 | 67 |
| 3503 | Multiwall carbon nanotube embedded phenolic resin-based carbon foam for the removal of As (V) from contaminated water. Materials Research Express, 2018, 5, 035601. | 0.8 | 13 |
| 3504 | Advances in Soil Microbiology: Recent Trends and Future Prospects. Microorganisms for Sustainability, 2018, , . | 0.4 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3505 | Enhanced adsorption performance of aspartic acid intercalated Mg-Zn-Fe-LDH materials for arsenite. Dalton Transactions, 2018, 47, 4994-5004. | 1.6 | 25 |
| 3506 | First-Principle Molecular Dynamics Investigation of Waterborne As-V Species. Journal of Physical Chemistry B, 2018, 122, 3153-3162. | 1.2 | 3 |
| 3507 | Arsenic induces cardiac rhythm dysfunction and acylcarnitines metabolism perturbation in rats. Toxicology Mechanisms and Methods, 2018, 28, 423-431. | 1.3 | 6 |
| 3508 | Hydrogeochemical and isotopic evaluation of groundwater with elevated arsenic in alkaline aquifers in Eastern Punjab, Pakistan. Chemosphere, 2018, 200, 576-586. | 4.2 | 58 |
| 3509 | Cycling of oxyanion-forming trace elements in groundwaters from a freshwater deltaic marsh. Estuarine, Coastal and Shelf Science, 2018, 204, 236-263. | 0.9 | 7 |
| 3510 | Citric Acid-Enhanced Electroremediation of Toxic Metal-Contaminated Dredged Sediments: Effect of Open/Closed Orifice Condition, Electric Potential and Surfactant. Pedosphere, 2018, 28, 35-43. | 2.1 | 15 |
| 3511 | Iron and sulfur cycling in acid sulfate soil wetlands under dynamic redox conditions: A review. Chemosphere, 2018, 197, 803-816. | 4.2 | 150 |
| 3512 | Heavy metals and metalloids: Sources, risks and strategies to reduce their accumulation in horticultural crops. Scientia Horticulturae, 2018, 234, 431-444. | 1.7 | 309 |
| 3513 | Evaluating Ferrous Chloride for Removal of Chromium From Ion-Exchange Waste Brines. Journal - American Water Works Association, 2018, 110, . | 0.2 | 10 |
| 3514 | Cerium dioxide (CeO ₂) nanoparticles decrease arsenite (As(III)) cytotoxicity to 16HBE14o- human bronchial epithelial cells. Environmental Research, 2018, 164, 452-458. | 3.7 | 23 |
| 3515 | Efficient oxidation and sorption of arsenite using a novel titanium(IV)-manganese(IV) binary oxide sorbent. Journal of Hazardous Materials, 2018, 353, 410-420. | 6.5 | 59 |
| 3516 | Arsenic speciation dynamics in paddy rice soil-water environment: sources, physico-chemical, and biological factors - A review. Water Research, 2018, 140, 403-414. | 5.3 | 244 |
| 3517 | Composites of ZnO nanoparticles and biomass based activated carbon: adsorption, photocatalytic and antibacterial capacities. Water Science and Technology, 2018, 2017, 492-508. | 1.2 | 32 |
| 3518 | Utilization of layered double hydroxide to remove arsenic and suppress pH decrement during ultrasound oxidation of arsenious acid. Japanese Journal of Applied Physics, 2018, 57, 07LE02. | 0.8 | 2 |
| 3519 | An eco-friendly method for heavy metal removal from mine tailings. Environmental Science and Pollution Research, 2018, 25, 16202-16216. | 2.7 | 29 |
| 3520 | Associations between Dissolved Uranium, Nitrate, Calcium, Alkalinity, Iron, and Manganese Concentrations in the Edwards-Trinity Plateau Aquifer, Texas, USA. Environmental Processes, 2018, 5, 441-450. | 1.7 | 10 |
| 3521 | Efficient removal of arsenate from oxic contaminated water by colloidal humic acid-coated goethite: Batch and column experiments. Journal of Cleaner Production, 2018, 189, 510-518. | 4.6 | 32 |
| 3522 | Arsenic forensic modeling leads to decommission of downgradient/off-site monitoring wells. Environmental Forensics, 2018, 19, 112-121. | 1.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3523 | Purifying arsenic and fluoride-contaminated water by a novel graphene-based nanocomposite membrane of enhanced selectivity and sustained flux. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16579-16589. | 2.7 | 19 |
| 3524 | Potential dietary, non-metabolic accumulation of arsenic (As) in seaweed-eating sheep's teeth: Implications for archaeological studies. <i>Journal of Archaeological Science</i> , 2018, 94, 21-31. | 1.2 | 2 |
| 3525 | Enhanced oxidation of arsenite to arsenate using tunable K ⁺ concentration in the OMS-2 tunnel. <i>Environmental Pollution</i> , 2018, 238, 524-531. | 3.7 | 11 |
| 3526 | Influences of groundwater extraction on flow dynamics and arsenic levels in the western Hetao Basin, Inner Mongolia, China. <i>Hydrogeology Journal</i> , 2018, 26, 1499-1512. | 0.9 | 20 |
| 3527 | Forms of trace arsenic, cesium, cadmium, and lead transported into river water for the irrigation of Japanese paddy rice fields. <i>Journal of Hydrology</i> , 2018, 561, 335-347. | 2.3 | 12 |
| 3528 | Arsenic effects on some photophysical parameters of <i>Cichorium intybus</i> under different radiation and water irrigation regimes. <i>Chemosphere</i> , 2018, 204, 398-404. | 4.2 | 5 |
| 3529 | Overview of As(V) adsorption on Zr-functionalized activated carbon for aqueous streams remediation. <i>Journal of Environmental Management</i> , 2018, 212, 121-130. | 3.8 | 25 |
| 3530 | Arsenic and metallic trace elements cycling in the surface water-groundwater-soil continuum down-gradient from a reclaimed mine area: Isotopic imprints. <i>Journal of Hydrology</i> , 2018, 558, 341-355. | 2.3 | 23 |
| 3531 | Arsenic in Holocene aquifers of the Red River floodplain, Vietnam: Effects of sediment-water interactions, sediment burial age and groundwater residence time. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 225, 192-209. | 1.6 | 53 |
| 3532 | High-resolution characterization of arsenic mobility and its correlation to labile iron and manganese in sediments of a shallow eutrophic lake in China. <i>Journal of Soils and Sediments</i> , 2018, 18, 2093-2106. | 1.5 | 15 |
| 3533 | Spatial analysis of the risk to human health from exposure to arsenic contaminated groundwater: A kriging approach. <i>Science of the Total Environment</i> , 2018, 627, 1048-1057. | 3.9 | 53 |
| 3534 | Kinetic assessment of simultaneous removal of arsenite, chlorate and nitrate under autotrophic and mixotrophic conditions. <i>Science of the Total Environment</i> , 2018, 628-629, 85-93. | 3.9 | 7 |
| 3535 | Fe-TiO _x nanoparticles on pineapple peel: Synthesis, characterization and As(V) sorption. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 9, 112-121. | 1.7 | 7 |
| 3536 | Bioaccumulation of Trace and Non-trace Elements in Blood and Fibers of Alpacas (<i>Vicugna pacos</i>) that Graze in Italian Pastures. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1. | 1.1 | 4 |
| 3537 | Novel Fe ₃ O ₄ nanoparticles-based DGT device for dissolved reactive phosphate measurement. <i>New Journal of Chemistry</i> , 2018, 42, 2874-2881. | 1.4 | 8 |
| 3538 | Ranking Coal Ash Materials for Their Potential to Leach Arsenic and Selenium: Relative Importance of Ash Chemistry and Site Biogeochemistry. <i>Environmental Engineering Science</i> , 2018, 35, 728-738. | 0.8 | 35 |
| 3539 | Potential health risk assessment through ingestion and dermal contact arsenic-contaminated groundwater in Jiangnan Plain, China. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1585-1599. | 1.8 | 44 |
| 3540 | Performance of SiO ₂ , ZrO ₂ , TiO ₂ , Al ₂ O ₃ or Fe ₂ O ₃ Coatings on Ti Electrodes for Arsenic (V) Detection Utilizing Electrochemical Impedance Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2018, 165, B34-B47. | 1.3 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3541 | Arsenic characteristics in the terrestrial environment in the vicinity of the Shimen realgar mine, China. <i>Science of the Total Environment</i> , 2018, 626, 77-86. | 3.9 | 60 |
| 3542 | Efficiency evaluation of arsenic(III) adsorption of novel graphene oxide@iron-aluminium oxide composite for the contaminated water purification. <i>Separation and Purification Technology</i> , 2018, 197, 388-400. | 3.9 | 63 |
| 3543 | Arsenic Induces Members of the mmu-miR-466-669 Cluster Which Reduces NeuroD1 Expression. <i>Toxicological Sciences</i> , 2018, 162, 64-78. | 1.4 | 9 |
| 3544 | Periphyton and abiotic factors influencing arsenic speciation in aquatic environments. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 903-913. | 2.2 | 9 |
| 3545 | How or When Samples Are Collected Affects Measured Arsenic Concentration in New Drinking Water Wells. <i>Ground Water</i> , 2018, 56, 921-933. | 0.7 | 9 |
| 3547 | Biosorptive removal of arsenite and arsenate from aqueous medium using low-cost adsorbent derived from "Pods of green peas": Exploration of kinetics, thermodynamics and adsorption isotherms. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 456-469. | 1.2 | 3 |
| 3548 | Increased exposure of plankton to arsenic in contaminated weakly-stratified lakes. <i>Science of the Total Environment</i> , 2018, 625, 1606-1614. | 3.9 | 23 |
| 3549 | Regional Variability of Nitrate Fluxes in the Unsaturated Zone and Groundwater, Wisconsin, USA. <i>Water Resources Research</i> , 2018, 54, 301-322. | 1.7 | 38 |
| 3550 | Bio-prospectus of cadmium bioadsorption by lactic acid bacteria to mitigate health and environmental impacts. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1599-1615. | 1.7 | 23 |
| 3551 | Assessment of trace metal contamination in groundwater in a highly urbanizing area of Shenzhou New District, Northeast China. <i>Frontiers of Earth Science</i> , 2018, 12, 569-582. | 0.9 | 21 |
| 3552 | Seasonal and spatial variation of arsenic in groundwater in a rhyolitic volcanic area of Lesbos Island, Greece. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 44. | 1.3 | 13 |
| 3553 | Environmental arsenic exposure: From genetic susceptibility to pathogenesis. <i>Environment International</i> , 2018, 112, 183-197. | 4.8 | 164 |
| 3554 | A review of global outlook on fluoride contamination in groundwater with prominence on the Pakistan current situation. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1265-1281. | 1.8 | 123 |
| 3555 | Effect of Cd stress on the bioavailability of Cd and other mineral nutrition elements in broad bean grown in a loess subsoil amended with municipal sludge compost. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7418-7432. | 2.7 | 6 |
| 3556 | Biological As(III) oxidation in rapid sand filters. <i>Journal of Water Process Engineering</i> , 2018, 21, 107-115. | 2.6 | 28 |
| 3557 | Solid-phase speciation and post-depositional mobility of arsenic in lake sediments impacted by ore roasting at legacy gold mines in the Yellowknife area, Northwest Territories, Canada. <i>Applied Geochemistry</i> , 2018, 91, 208-220. | 1.4 | 38 |
| 3558 | Changing recharge pathways within an intensively pumped aquifer with high fluoride concentrations in Central Mexico. <i>Science of the Total Environment</i> , 2018, 622-623, 1029-1045. | 3.9 | 32 |
| 3559 | Mobilization of arsenic on nano-TiO ₂ in soil columns with sulfate reducing bacteria. <i>Environmental Pollution</i> , 2018, 234, 762-768. | 3.7 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3560 | Arsenic(V) Removal Using Activated Alumina: Kinetics and Modeling by Response Surface. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, . | 0.7 | 17 |
| 3561 | Soil pollution by mining activities in Andalusia (South Spain)â€”the role of Mineralogy and Geochemistry in three case studies. <i>Journal of Soils and Sediments</i> , 2018, 18, 2231-2247. | 1.5 | 23 |
| 3562 | Arsenate co-precipitation with Fe(II) oxidation products and retention or release during precipitate aging. <i>Water Research</i> , 2018, 131, 334-345. | 5.3 | 69 |
| 3563 | As(V) removal from aqueous solution using a low-cost adsorbent coir pith ash: Equilibrium and kinetic study. <i>Environmental Technology and Innovation</i> , 2018, 9, 198-209. | 3.0 | 16 |
| 3564 | Groundwater co-contaminant behavior of arsenic and selenium at a lead and zinc smelting facility. <i>Applied Geochemistry</i> , 2018, 89, 255-264. | 1.4 | 22 |
| 3565 | Metal concentrations and their potential ecological risks in fluvial sediments of Atoyac River basin, Central Mexico: Volcanic and anthropogenic influences. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 1020-1033. | 2.9 | 35 |
| 3566 | Coupled S and Sr isotope evidences for elevated arsenic concentrations in groundwater from the worldâ€™s largest antimony mine, Central China. <i>Journal of Hydrology</i> , 2018, 557, 211-221. | 2.3 | 32 |
| 3567 | Effects of ferrous sulfate amendment and water management on rice growth and metal(loid) accumulation in arsenic and lead co-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8888-8902. | 2.7 | 30 |
| 3568 | Coadsorption and subsequent redox conversion behaviors of As(III) and Cr(VI) on Al-containing ferrihydrite. <i>Environmental Pollution</i> , 2018, 235, 660-669. | 3.7 | 48 |
| 3569 | Rethinking anaerobic As(III) oxidation in filters: Effect of indigenous nitrate respirers. <i>Chemosphere</i> , 2018, 196, 223-230. | 4.2 | 8 |
| 3570 | Human health risks and socio-economic perspectives of arsenic exposure in Bangladesh: A scoping review. <i>Ecotoxicology and Environmental Safety</i> , 2018, 150, 335-343. | 2.9 | 127 |
| 3571 | Human health and environmental impacts of coal combustion and post-combustion wastes. <i>Journal of Sustainable Mining</i> , 2018, 17, 87-96. | 0.1 | 251 |
| 3572 | Diminution of arsenic accumulation in rice seedlings co-cultured with <i>Anabaena</i> sp.: Modulation in the expression of lower silicon transporters, two nitrogen dependent genes and lowering of antioxidants activity. <i>Ecotoxicology and Environmental Safety</i> , 2018, 151, 109-117. | 2.9 | 13 |
| 3573 | Highly selective determination of ultratrace inorganic arsenic species using novel functionalized miniaturized membranes. <i>Analytica Chimica Acta</i> , 2018, 1008, 57-65. | 2.6 | 20 |
| 3574 | Ameliorative effects of selenium on arsenic-induced cytotoxicity in PC12 cells via modulating autophagy/apoptosis. <i>Chemosphere</i> , 2018, 196, 453-466. | 4.2 | 60 |
| 3575 | Statistical optimization of arsenic biosorption by microbial enzyme via Ca-alginate beads. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 436-442. | 0.9 | 14 |
| 3576 | Effect of water cadmium concentration and water level on the growth performance of <i>Salix triandroides</i> cuttings. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8002-8011. | 2.7 | 11 |
| 3577 | Diffusive Gradients in Thin Films Reveals Differences in Antimony and Arsenic Mobility in a Contaminated Wetland Sediment during an Oxic-Anoxic Transition. <i>Environmental Science & Technology</i> , 2018, 52, 1118-1127. | 4.6 | 84 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3578 | Effect on human health of the arsenic pollution and hydrogeochemistry of the YazÄ±r Lake wetland (Ä±rdur/Turkey). <i>Environmental Science and Pollution Research</i> , 2018, 25, 16217-16235. | 2.7 | 12 |
| 3579 | Simultaneous application of oxalic acid and dithionite for enhanced extraction of arsenic bound to amorphous and crystalline iron oxides. <i>Journal of Hazardous Materials</i> , 2018, 354, 91-98. | 6.5 | 24 |
| 3580 | Mutual interaction between arsenic and biofilm in a mining impacted river. <i>Science of the Total Environment</i> , 2018, 636, 985-998. | 3.9 | 17 |
| 3581 | Improving arsenopyrite oxidation rate laws: implications for arsenic mobilization during aquifer storage and recovery (ASR). <i>Environmental Geochemistry and Health</i> , 2018, 40, 2453-2464. | 1.8 | 5 |
| 3583 | Redox changes in speciation and solubility of arsenic in paddy soils as affected by sulfur concentrations. <i>Environmental Pollution</i> , 2018, 238, 617-623. | 3.7 | 57 |
| 3584 | Low arsenic bioaccessibility by fixation in nanostructured iron (Hydr)oxides: Quantitative identification of As-bearing phases. <i>Journal of Hazardous Materials</i> , 2018, 353, 261-270. | 6.5 | 20 |
| 3585 | Nutrient Constraints in Arsenic Phytoremediation. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 15-22. | 0.5 | 6 |
| 3586 | The Arsenic Contamination of Drinking and Groundwaters in Bangladesh: Featuring Biogeochemical Aspects and Implications on Public Health. <i>Archives of Environmental Contamination and Toxicology</i> , 2018, 75, 1-7. | 2.1 | 70 |
| 3587 | Characteristics of arsenic in humic substances extracted from natural organic sediments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15680-15691. | 2.7 | 5 |
| 3588 | Rubber industry. <i>ChemistrySelect</i> , 2018, 3, . | 0.7 | 1 |
| 3589 | Shallow groundwater quality and associated non-cancer health risk in agricultural areas (Poyang) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 3 | 1.8 | 20 |
| 3590 | In vivo and in vitro methods for evaluating soil arsenic bioavailability: relevant to human health risk assessment. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018, 21, 83-114. | 2.9 | 45 |
| 3591 | Highly Selective Adsorption of Antimonite by Novel Imprinted Polymer with Microdomain Confinement Effect. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 1513-1523. | 1.0 | 12 |
| 3592 | Multimodal Assay of Arsenite Contamination in Environmental Samples with Improved Sensitivity through Stimuli-Response of Multiligands Modified Silver Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6223-6232. | 3.2 | 31 |
| 3593 | Effect of bicarbonate on aging and reactivity of nanoscale zerovalent iron (nZVI) toward uranium removal. <i>Chemosphere</i> , 2018, 201, 603-611. | 4.2 | 38 |
| 3594 | Arsenic in geothermal systems of Tengchong, China: Potential contamination on freshwater resources. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 28-35. | 1.9 | 15 |
| 3595 | Monitoring dual-season hydrological dynamics of seasonally flooded wetlands in the lower reach of Mayurakshi River, Eastern India. <i>Geocarto International</i> , 2018, 33, 225-239. | 1.7 | 33 |
| 3596 | Removal of arsenic (<sc>III</sc>) and arsenic (V) from aqueous solutions through adsorption by Fe/Cu nanoparticles. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 63-71. | 1.6 | 75 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3597 | Fluid-controlled deformation in blueschist-facies conditions: plastic vs brittle behaviour in a brecciated mylonite (Voltri Massif, Western Alps, Italy). <i>Geological Magazine</i> , 2018, 155, 335-355. | 0.9 | 11 |
| 3598 | Distribution and Enrichment Factors of High-Arsenic Groundwater in Inland Arid Area of P. R. China: A Case Study of the Shihezi Area, Xinjiang. <i>Exposure and Health</i> , 2018, 10, 1-13. | 2.8 | 18 |
| 3599 | Removal of As(V) and Sb(V) in water using magnetic nanoparticle-supported layered double hydroxide nanocomposites. <i>Journal of Geochemical Exploration</i> , 2018, 184, 247-254. | 1.5 | 35 |
| 3600 | Magnetic hetero-structures as prospective sorbents to aid arsenic elimination from life water streams. <i>Water Science</i> , 2018, 32, 151-170. | 0.5 | 12 |
| 3601 | Rates and processes affecting As speciation and mobility in lake sediments during aging. <i>Journal of Environmental Sciences</i> , 2018, 66, 338-347. | 3.2 | 5 |
| 3602 | Arsenate biotransformation by <i>Microcystis aeruginosa</i> under different nitrogen and phosphorus levels. <i>Journal of Environmental Sciences</i> , 2018, 66, 41-49. | 3.2 | 23 |
| 3603 | Impact of competitive adsorption on microbial arsenate reduction at the water-goethite interface. <i>Applied Geochemistry</i> , 2018, 88, 59-67. | 1.4 | 9 |
| 3604 | Evaluation of modified montmorillonite with di-cationic surfactants as efficient and environmentally friendly adsorbents for arsenic removal from contaminated water. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 460-472. | 1.0 | 6 |
| 3605 | Prevalence of exposure of heavy metals and their impact on health consequences. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 157-184. | 1.2 | 859 |
| 3606 | Speciation of Arsenic in Spring, Well, and Tap Water by High-performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometry. <i>Analytical Letters</i> , 2018, 51, 254-264. | 1.0 | 5 |
| 3607 | Assessment of Health Risks of Arsenic Exposure via Consumption of Crops. <i>Exposure and Health</i> , 2018, 10, 129-143. | 2.8 | 20 |
| 3608 | Rising level of arsenic in water and fodder: a growing threat to livestock and human populations in Pakistan. <i>Toxin Reviews</i> , 2018, 37, 171-181. | 1.5 | 8 |
| 3609 | Dynamics of metals in backfill of a phosphate mine of Guiyang, China using a three-step sequential extraction technique. <i>Chemosphere</i> , 2018, 192, 354-361. | 4.2 | 24 |
| 3610 | Organic matter control on the distribution of arsenic in lake sediments impacted by ~ 65 years of gold ore processing in subarctic Canada. <i>Science of the Total Environment</i> , 2018, 622-623, 1668-1679. | 3.9 | 44 |
| 3611 | Faradaic reactions in capacitive deionization (CDI) - problems and possibilities: A review. <i>Water Research</i> , 2018, 128, 314-330. | 5.3 | 523 |
| 3612 | Thermodynamic parameters for the protonation and the interaction of arsenate with Mg ²⁺ , Ca ²⁺ and Sr ²⁺ : Application to natural waters. <i>Chemosphere</i> , 2018, 190, 72-79. | 4.2 | 21 |
| 3613 | Role of Nanostructured Materials Toward Remediation of Heavy Metals/Metalloids. <i>Advanced Structured Materials</i> , 2018, , 73-95. | 0.3 | 2 |
| 3614 | Sources, enrichment, and redistribution of As, Cd, Cu, Li, Mo, and Sb in the Northern Atacama Region, Chile: Implications for arid watersheds affected by mining. <i>Journal of Geochemical Exploration</i> , 2018, 185, 33-51. | 1.5 | 43 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3615 | Arsenic biokinetics and bioavailability in deposit-feeding clams and polychaetes. <i>Science of the Total Environment</i> , 2018, 616-617, 594-601. | 3.9 | 9 |
| 3616 | Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , 2018, 232, 375-384. | 3.7 | 83 |
| 3617 | Physiographical variability in arsenic dynamics in Bangladeshi soils. <i>Science of the Total Environment</i> , 2018, 612, 1365-1372. | 3.9 | 18 |
| 3618 | Controls of paleochannels on groundwater arsenic distribution in shallow aquifers of alluvial plain in the Hetao Basin, China. <i>Science of the Total Environment</i> , 2018, 613-614, 958-968. | 3.9 | 39 |
| 3619 | Biochemical responses and accumulation patterns of <i>Mytilus galloprovincialis</i> exposed to thermal stress and Arsenic contamination. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 954-962. | 2.9 | 85 |
| 3620 | Biological detoxification of As(III) and As(V) using immobilized bacterial cells in fixed-bed bio-column reactor: Prediction of kinetic parameters. <i>Groundwater for Sustainable Development</i> , 2018, 6, 14-42. | 2.3 | 16 |
| 3621 | Performance Assessments of a Novel Well Design for Reducing Exposure to Bedrock-Derived Arsenic. <i>Ground Water</i> , 2018, 56, 762-769. | 0.7 | 1 |
| 3622 | Arsenic in groundwater of West Bengal, India: A review of human health risks and assessment of possible intervention options. <i>Science of the Total Environment</i> , 2018, 612, 148-169. | 3.9 | 214 |
| 3623 | Change of arsenite adsorption mechanism during aging of 2-line ferrihydrite in the absence of oxygen. <i>Applied Geochemistry</i> , 2018, 88, 149-157. | 1.4 | 19 |
| 3624 | Release kinetics of vanadium from vanadium (III, IV and V) oxides: Effect of pH, temperature and oxide dose. <i>Journal of Environmental Sciences</i> , 2018, 67, 96-103. | 3.2 | 22 |
| 3625 | Long-term ongoing impact of arsenic contamination on the environmental compartments of a former mining-metallurgy area. <i>Science of the Total Environment</i> , 2018, 610-611, 820-830. | 3.9 | 41 |
| 3626 | Arsenic distribution in a pasture area impacted by past mining activities. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 228-237. | 2.9 | 27 |
| 3627 | Arsenic uptake in bacterial calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 642-654. | 1.6 | 20 |
| 3628 | Characterizing the hydrogeochemistry of two low-temperature thermal systems in Central Mexico. <i>Journal of Geochemical Exploration</i> , 2018, 185, 93-104. | 1.5 | 38 |
| 3629 | Methylated arsenic species throughout a 4-m deep core from a free-floating peat island. <i>Science of the Total Environment</i> , 2018, 621, 67-74. | 3.9 | 10 |
| 3630 | Efficient degradation of p-arsanilic acid with arsenic adsorption by magnetic CuO-Fe ₃ O ₄ nanoparticles under visible light irradiation. <i>Chemical Engineering Journal</i> , 2018, 334, 1527-1536. | 6.6 | 86 |
| 3631 | Characterising microbial reduction of arsenate sorbed to ferrihydrite and its concurrence with iron reduction. <i>Chemosphere</i> , 2018, 194, 49-56. | 4.2 | 21 |
| 3632 | Synthesis of MgO/TiO ₂ /Ag composites with good adsorption combined with photodegradation properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 228, 123-131. | 1.7 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3633 | Microbial Transformation of Heavy Metals. <i>Energy, Environment, and Sustainability</i> , 2018, , 249-263. | 0.6 | 6 |
| 3634 | Waste Bioremediation. <i>Energy, Environment, and Sustainability</i> , 2018, , . | 0.6 | 12 |
| 3635 | MoS ₂ nanosheets as an effective fluorescent quencher for successive detection of arsenic ions in aqueous system. <i>Applied Surface Science</i> , 2018, 449, 31-38. | 3.1 | 38 |
| 3636 | Provenance, prevalence and health perspective of co-occurrences of arsenic, fluoride and uranium in the aquifers of the Brahmaputra River floodplain. <i>Chemosphere</i> , 2018, 194, 755-772. | 4.2 | 79 |
| 3637 | Trace Element Removal in Distributed Drinking Water Treatment Systems by Cathodic H ₂ O ₂ Production and UV Photolysis. <i>Environmental Science & Technology</i> , 2018, 52, 195-204. | 4.6 | 22 |
| 3638 | Nanostructured Gold Microelectrode Array for Ultrasensitive Detection of Heavy Metal Contamination. <i>Analytical Chemistry</i> , 2018, 90, 1161-1167. | 3.2 | 38 |
| 3639 | Arsenic stress effects on root water absorption in soybean plants: Physiological and morphological aspects. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 8-17. | 2.8 | 84 |
| 3640 | Opportunities and challenges in the use of mineral nutrition for minimizing arsenic toxicity and accumulation in rice: A critical review. <i>Chemosphere</i> , 2018, 194, 171-188. | 4.2 | 82 |
| 3641 | Physical and arsenic adsorption properties of maghemite and magnetite sub-microparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 451, 594-601. | 1.0 | 26 |
| 3642 | Computational study on the efficiency of MoS ₂ membrane for removing arsenic from contaminated water. <i>Journal of Molecular Liquids</i> , 2018, 249, 110-116. | 2.3 | 44 |
| 3643 | Real-time electronic sensor based on black phosphorus/Au NPs/DTT hybrid structure: Application in arsenic detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 214-219. | 4.0 | 41 |
| 3644 | Assessment of potentially toxic metal contamination in the soils of a legacy mine site in Central Victoria, Australia. <i>Chemosphere</i> , 2018, 192, 122-132. | 4.2 | 60 |
| 3645 | May humic acids or mineral fertilisation mitigate arsenic mobility and availability to carrot plants (<i>Daucus carota</i> L.) in a volcanic soil polluted by As from irrigation water?. <i>Chemosphere</i> , 2018, 193, 464-471. | 4.2 | 16 |
| 3646 | A new aerobic chemolithoautotrophic arsenic oxidizing microorganism isolated from a high Andean watershed. <i>Biodegradation</i> , 2018, 29, 59-69. | 1.5 | 20 |
| 3647 | Fe ₃ O ₄ - β -cyclodextrin-Chitosan Bionanocomposite for Arsenic Removal from Aqueous Solution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 467-480. | 1.9 | 25 |
| 3648 | Mineralogical and geochemical characterization of waste rocks from a gold mine in northeastern Thailand: application for environmental impact protection. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3488-3500. | 2.7 | 15 |
| 3649 | Facile fabrication of nanostructured cerium-manganese binary oxide for enhanced arsenite removal from water. <i>Chemical Engineering Journal</i> , 2018, 334, 1518-1526. | 6.6 | 104 |
| 3650 | Arsenic concentrations and speciation in wild birds from an abandoned realgar mine in China. <i>Chemosphere</i> , 2018, 193, 777-784. | 4.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3651 | Chronic Arsenic Exposure Increases $\text{A}\beta^{2-}$ Production and Receptor for Advanced Glycation End Products Expression in Rat Brain. <i>Chemical Research in Toxicology</i> , 2018, 31, 13-21. | 1.7 | 28 |
| 3652 | Insights into arsenic retention dynamics of Pleistocene aquifer sediments by in situ sorption experiments. <i>Water Research</i> , 2018, 129, 123-132. | 5.3 | 18 |
| 3653 | Simultaneous removal of sulfate and arsenic using immobilized non-traditional SRB mixed culture and alternative low-cost carbon sources. <i>Chemical Engineering Journal</i> , 2018, 334, 1630-1641. | 6.6 | 43 |
| 3654 | Bioremoval of arsenic and antimony from wastewater by a mixed culture of sulfate-reducing bacteria using lactate and ethanol as carbon sources. <i>International Biodeterioration and Biodegradation</i> , 2018, 126, 152-159. | 1.9 | 54 |
| 3655 | Characteristics of a novel adsorbent Fe-Mg-type hydrotalcite and its adsorption capability of As(III) and Cr(VI) from aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 59, 56-63. | 2.9 | 37 |
| 3656 | Sensitive response of sediment-grown <i>Myriophyllum spicatum</i> L. to arsenic pollution under different CO ₂ availability. <i>Hydrobiologia</i> , 2018, 812, 177-191. | 1.0 | 8 |
| 3657 | Fate of Antimony and Arsenic in Contaminated Waters at the Abandoned Su Suergiu Mine (Sardinia, Italy). <i>Environmental Monitoring and Assessment</i> , 2018, 190, 1-10. | 0.9 | 24 |
| 3658 | Sustainable magnet-responsive nanomaterials for the removal of arsenic from contaminated water. <i>Journal of Hazardous Materials</i> , 2018, 342, 260-269. | 6.5 | 54 |
| 3659 | Environmental behavior, potential phytotoxicity, and accumulation of copper oxide nanoparticles and arsenic in rice plants. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 11-20. | 2.2 | 53 |
| 3660 | Chemical composition and suitability of some Turkish thermal muds as peloids. <i>Turkish Journal of Earth Sciences</i> , 2018, 27, . | 0.4 | 1 |
| 3662 | The heavy metals/trace elements contents of sediments from Owalla Reservoir, Osun State, Southwest Nigeria. <i>Advances in Oceanography and Limnology</i> , 2018, 9, . | 0.2 | 9 |
| 3663 | Arsenic Removal Using Multiwall Carbon Nanotube. , 2018, , . | | 1 |
| 3664 | Fundamental Study of Behaviors of Rare Metals, Arsenic and Lead with Neutralization of Acid Hot Spring by Using Crushed Mafic Rocks. <i>Journal of MMIJ</i> , 2018, 134, 53-59. | 0.4 | 1 |
| 3665 | Adsorption of As^{1-} -level arsenic by ZIF-8 nanoparticles: application to the monitoring of environmental water. <i>RSC Advances</i> , 2018, 8, 36360-36368. | 1.7 | 7 |
| 3666 | Simultaneous application arsenic oxidising bacteria and biochar for the reclamation of arsenic contaminated soil. <i>International Journal of Environment and Waste Management</i> , 2018, 21, 155. | 0.2 | 3 |
| 3667 | Introductory Chapter: Arsenic. , 0, , . | | 1 |
| 3668 | Spectral Responses of As and Pb Contamination in Tailings of a Hydrothermal Ore Deposit: A Case Study of Samgwang Mine, South Korea. <i>Remote Sensing</i> , 2018, 10, 1830. | 1.8 | 20 |
| 3669 | Arsenic in Rice Soils and Potential Agronomic Mitigation Strategies to Reduce Arsenic Bioavailability: A Review. <i>Pedosphere</i> , 2018, 28, 363-382. | 2.1 | 49 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3670 | Arsenic Bioremediation Potential of Arsenite-Oxidizing <i>Micrococcus</i> sp. KUMAs15 Isolated from Contaminated Soil. <i>Pedosphere</i> , 2018, 28, 299-310. | 2.1 | 25 |
| 3671 | Design of Gravel-Sand Filter for Arsenic Removal: A Case Study of Muzaffargarh District in Pakistan. <i>Water Environment Research</i> , 2018, 90, 2106-2113. | 1.3 | 6 |
| 3672 | Effect of Oxidation-Reduction Fluctuations on Metal Mobility of Speciated Metals and Arsenic in Bottom Sediments of Middleton River, Bayelsa State, Nigeria. <i>Journal of Applied Sciences and Environmental Management</i> , 2018, 22, 1511. | 0.1 | 5 |
| 3673 | CO ₂ Leakage-Induced Contamination in Shallow Potable Aquifer and Associated Health Risk Assessment. <i>Geofluids</i> , 2018, 2018, 1-19. | 0.3 | 6 |
| 3674 | Geochemistry and mineralogy of a complex sedimentary deposit in the alkaline volcanic Lake Specchio di Venere (Pantelleria Island, south Mediterranean). <i>Journal of Limnology</i> , 2018, 77, . | 0.3 | 0 |
| 3675 | Arsenic cycling in the Earth's crust and hydrosphere: interaction between naturally occurring arsenic and human activities. <i>Progress in Earth and Planetary Science</i> , 2018, 5, . | 1.1 | 77 |
| 3676 | 3. Rubber industry. , 2018, , 81-104. | | 0 |
| 3677 | Preliminary Study Contamination of Organochlorine Pesticide (Heptachlor) and Heavy Metal (Arsenic) in Shallow Groundwater Aquifer of Semarang Coastal Areas. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 116, 012099. | 0.2 | 1 |
| 3678 | Interaction of Plants and Arbuscular Mycorrhizal Fungi in Responses to Arsenic Stress: A Collaborative Tale Useful to Manage Contaminated Soils. , 2018, , 239-255. | | 3 |
| 3679 | Agronomics Management for Arsenic Stress Mitigation. , 2018, , 341-359. | | 0 |
| 3680 | Arsenic Toxicity in Crop Plants: Responses and Remediation Strategies. , 2018, , 129-169. | | 4 |
| 3681 | Algae as a Budding Tool for Mitigation of Arsenic from Aquatic Systems. , 2018, , 269-297. | | 4 |
| 3682 | Removal of arsenate by electrocoagulation reactor using aluminum ball anode electrodes. <i>Water Practice and Technology</i> , 2018, 13, 753-763. | 1.0 | 10 |
| 3683 | Groundwater arsenic contamination and their variations on episode of drought: Ter River delta in Catalonia, Spain. <i>Applied Water Science</i> , 2018, 8, 1. | 2.8 | 7 |
| 3684 | Adsorption isotherm study in the removal of As (V) by Schwertmannite. <i>AIP Conference Proceedings</i> , 2018, , . | 0.3 | 2 |
| 3685 | Anti-Oxidative Response of Cyanobacterium <i>Anabaena</i> sp. strain PCC 7120 to Arsenite (As(III)). <i>Microbiology</i> , 2018, 87, 848-856. | 0.5 | 4 |
| 3686 | Arsenic in Rice: An Overview on Stress Implications, Tolerance and Mitigation Strategies. , 2018, , 401-415. | | 27 |
| 3687 | Oxidative Adsorption of Arsenic by <math>N\</math>-Methylglucamine-modified Chelate Fiber and Manganese Dioxide. <i>Journal of Ion Exchange</i> , 2018, 29, 163-165. | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3688 | Simple Electrochemical Detection Method Employing a Hydrogel Soft Matrix: Application in Tap Water. <i>Journal of the Electrochemical Society</i> , 2018, 165, H1021-H1027. | 1.3 | 6 |
| 3689 | A Case Study of Heavy Metal Pollution in Water of Bone River by Artisanal Small-Scale Gold Mine Activities in Eastern Part of Gorontalo, Indonesia. <i>Water (Switzerland)</i> , 2018, 10, 1507. | 1.2 | 48 |
| 3690 | Arsenite removal in groundwater treatment plants by sequential Permanganate-Ferric treatment. <i>Journal of Water Process Engineering</i> , 2018, 26, 221-229. | 2.6 | 51 |
| 3691 | Predicting geogenic Arsenic in Drinking Water Wells in Glacial Aquifers, North-Central USA: Accounting for Depth-Dependent Features. <i>Water Resources Research</i> , 2018, 54, 10,172. | 1.7 | 34 |
| 3692 | Marginal Zinc Deficiency and Environmentally Relevant Concentrations of Arsenic Elicit Combined Effects on the Gut Microbiome. <i>MSphere</i> , 2018, 3, . | 1.3 | 34 |
| 3693 | Removal of Fluoride and Arsenate from Aqueous Solutions by Aluminum-Modified Guava Seeds. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1807. | 1.3 | 26 |
| 3694 | Point of Zero Charge: Role in Pyromorphite Formation and Bioaccessibility of Lead and Arsenic in Phosphate-Amended Soils. <i>Soil Systems</i> , 2018, 2, 22. | 1.0 | 19 |
| 3695 | Treatment of Arsenic Sulfide Sludge for Arsenic Stabilization and Copper Extraction. <i>Minerals, Metals and Materials Series</i> , 2018, , 1555-1565. | 0.3 | 0 |
| 3696 | Enhanced removal of arsenite and arsenate by a multifunctional Fe-Ti-Mn composite oxide: Photooxidation, oxidation and adsorption. <i>Water Research</i> , 2018, 147, 264-275. | 5.3 | 129 |
| 3697 | Relationship between Drinking Water Fluoride and Intelligence Quotient in Egyptian School Children. <i>Occupational Medicine & Health Affairs</i> , 2018, 06, . | 0.1 | 2 |
| 3699 | Examining the Geologic Link of Arsenic Contamination in Groundwater in Orange County, North Carolina. <i>Frontiers in Earth Science</i> , 2018, 6, . | 0.8 | 7 |
| 3700 | Identification of the Source Mineral Releasing Arsenic in the Groundwater of the Indo-Gangetic Plain, India. , 2018, , 1-38. | | 5 |
| 3701 | Effect of Transient Wave Forcing on the Behavior of Arsenic in a Nearshore Aquifer. <i>Environmental Science & Technology</i> , 2018, 52, 12338-12348. | 4.6 | 19 |
| 3702 | Arsenic in Paddy Soils and Potential Health Risk. <i>Soil Biology</i> , 2018, , 151-163. | 0.6 | 2 |
| 3703 | Interactive effects of contamination and trematode infection in cockles biochemical performance. <i>Environmental Pollution</i> , 2018, 243, 1469-1478. | 3.7 | 12 |
| 3704 | Synthesis and Characterization of nZVI Grafted Alumina and Its Application for Fluoride Removal from Drinking Water: Equilibrium and Kinetics Study. <i>Periodica Polytechnica: Chemical Engineering</i> , 2018, 63, 73-84. | 0.5 | 6 |
| 3705 | Air-Filled Porosity as a Key to Reducing Dissolved Arsenic and Cadmium Concentrations in Paddy Soils. <i>Journal of Environmental Quality</i> , 2018, 47, 496-503. | 1.0 | 8 |
| 3706 | Genome sequencing and functional analysis of an environmental isolate <i>Escherichia coli</i> Cont-1 revealed its genetic basis of arsenic-transformation and niche adaptation. <i>Ecological Genetics and Genomics</i> , 2018, 9, 34-42. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3707 | Implications of the iron(II/III)-arsenic ratio on the precipitation of iron-arsenic minerals from pH 2.5 to 10.5. <i>Applied Geochemistry</i> , 2018, 98, 367-376. | 1.4 | 22 |
| 3708 | Mercury and arsenic in the surface peat soils of the Changbai Mountains, northeastern China: distribution, environmental controls, sources, and ecological risk assessment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34595-34609. | 2.7 | 13 |
| 3709 | Synthesis and characterization of pure and Al-substituted akaganeites and evaluation of their performance to adsorb As(V). <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7044-7053. | 3.3 | 7 |
| 3710 | Adsorption mechanism of magnetic nanoparticles doped with graphene oxide and titanium nanotubes for As(III) removal. <i>Materialia</i> , 2018, 3, 79-89. | 1.3 | 11 |
| 3711 | Co-adsorption of arsenite and arsenate on mixed-valence Fe(II,III) (hydr)oxides under reducing conditions. <i>Applied Geochemistry</i> , 2018, 98, 418-425. | 1.4 | 13 |
| 3712 | Estimation of effective porosity in large-scale groundwater models by combining particle tracking, auto-calibration and ^{14}C dating. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4843-4865. | 1.9 | 12 |
| 3713 | Arsenic tolerance of <i>Microcystis novacekii</i> (Komárková-Compárek, 1974) and its arsenic decontamination potential. <i>Brazilian Archives of Biology and Technology</i> , 2018, 61, . | 0.5 | 7 |
| 3714 | Natural Background and Anthropogenic Arsenic Enrichment in Florida Soils, Surface Water, and Groundwater: A Review with a Discussion on Public Health Risk. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2278. | 1.2 | 74 |
| 3715 | Bio-adsorption and Bio-transformation of Arsenic by <i>Acidithiobacillus ferrooxidans</i> BY3. <i>International Microbiology</i> , 2018, 21, 207-214. | 1.1 | 10 |
| 3716 | Arsenic Removal Using Horizontal Subsurface Flow Constructed Wetlands: A Sustainable Alternative for Arsenic-Rich Acidic Waters. <i>Water (Switzerland)</i> , 2018, 10, 1447. | 1.2 | 12 |
| 3717 | Living at the Frontiers of Life: Extremophiles in Chile and Their Potential for Bioremediation. <i>Frontiers in Microbiology</i> , 2018, 9, 2309. | 1.5 | 134 |
| 3718 | Analysis of Arsenic Species in Processed Rice Bran Products Using HPLC-ICP-MS. <i>Journal of Food Science</i> , 2018, 83, 2682-2687. | 1.5 | 5 |
| 3719 | Arsenic and high affinity phosphate uptake gene distribution in shallow submarine hydrothermal sediments. <i>Biogeochemistry</i> , 2018, 141, 41-62. | 1.7 | 11 |
| 3720 | Fate and dynamics of metal precipitates arising from acid drainage discharges to a river system. <i>Chemosphere</i> , 2018, 212, 811-820. | 4.2 | 11 |
| 3721 | Risk assessment of arsenic from contaminated soils to shallow groundwater in Ong Phra Sub-District, Suphan Buri Province, Thailand. <i>Journal of Hydrology: Regional Studies</i> , 2018, 19, 80-96. | 1.0 | 34 |
| 3722 | Arsenic Bioremediation by Indigenous Heavy Metal Resistant Bacteria of Fly Ash Pond. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 527-535. | 1.3 | 23 |
| 3723 | Environmental Concentrations of Copper, Alone or in Mixture With Arsenic, Can Impact River Sediment Microbial Community Structure and Functions. <i>Frontiers in Microbiology</i> , 2018, 9, 1852. | 1.5 | 44 |
| 3724 | Arsenic Stress Responses and Tolerance in Rice: Physiological, Cellular and Molecular Approaches. <i>Rice Science</i> , 2018, 25, 235-249. | 1.7 | 79 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3725 | Evaluating Geologic Sources of Arsenic in Well Water in Virginia (USA). <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 787. | 1.2 | 8 |
| 3726 | Identifying multiple deep aquifers in the Bengal Basin: Implications for resource management. <i>Hydrological Processes</i> , 2018, 32, 3615-3632. | 1.1 | 18 |
| 3727 | Stability of hydrolytic arsenic species in aqueous solutions: As^{3+} vs. As^{5+} . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23272-23280. | 1.3 | 30 |
| 3728 | A Suppression Method for Elution of Fa^{2+} , $[B(OH)_4]^{-}$, AsO_4^{3-} , and CrO_4^{2-} from Industrial Wastes Using Some Inhibitors and Crushed Stone Powder. <i>Technologies</i> , 2018, 6, 79. | 3.0 | 1 |
| 3729 | Seasonal Variation of Arsenic Concentration in Lake Water of Sakata Lagoon. <i>Bunseki Kagaku</i> , 2018, 67, 557-564. | 0.1 | 0 |
| 3730 | Investigating Anthropogenic and Geogenic Sources of Groundwater Contamination in a Semi-Arid Alluvial Basin, Goshen Valley, UT, USA. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1. | 1.1 | 12 |
| 3731 | Characteristics and implication of stable carbon isotope in high arsenic groundwater systems in the northwest Hetao Basin, Inner Mongolia, China. <i>Journal of Asian Earth Sciences</i> , 2018, 163, 70-79. | 1.0 | 33 |
| 3732 | Development of an anion imprinted polymer for high and selective removal of arsenite from wastewater. <i>Science of the Total Environment</i> , 2018, 639, 110-117. | 3.9 | 30 |
| 3733 | Photoremediation of heavy metals from aqueous environments onto ZnO coated fibrous polyethylene terephthalate nonwovens. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, 031512. | 0.9 | 2 |
| 3734 | Remediation of sandy soil contaminated by heavy metals with Na_2EDTA washing enhanced with organic reducing agents: element distribution and spectroscopic analysis. <i>European Journal of Soil Science</i> , 2018, 69, 719-731. | 1.8 | 24 |
| 3735 | The influence of irrigation-induced water table fluctuation on iron redistribution and arsenic immobilization within the unsaturation zone. <i>Science of the Total Environment</i> , 2018, 637-638, 191-199. | 3.9 | 13 |
| 3736 | Arsenic-rich shallow groundwater in sandy aquifer systems buffered by rising carbonate waters: A geochemical case study from Mannar Island, Sri Lanka. <i>Science of the Total Environment</i> , 2018, 633, 1352-1359. | 3.9 | 27 |
| 3737 | Characteristics and compound-specific carbon isotope compositions of sedimentary lipids in high arsenic aquifers in the Hetao basin, Inner Mongolia. <i>Environmental Pollution</i> , 2018, 241, 85-95. | 3.7 | 17 |
| 3738 | Microbial community and heavy metals content in soils along the Curu River in Cear , Brazil. <i>Geoderma Regional</i> , 2018, 14, e00173. | 0.9 | 7 |
| 3739 | Arsenic Geochemistry of Alluvial Sediments and Pore Waters Affected by Mine Tailings along the Belle Fourche and Cheyenne River Floodplains. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1. | 1.1 | 3 |
| 3740 | Concrete/maghemite nanocomposites as novel adsorbents for arsenic removal. <i>Journal of Molecular Structure</i> , 2018, 1171, 9-16. | 1.8 | 43 |
| 3741 | Comparison of two alluvial aquifers shows the probable role of river sediments on the release of arsenic in the groundwater of district Vehari, Punjab, Pakistan. <i>Environmental Earth Sciences</i> , 2018, 77, 1. | 1.3 | 21 |
| 3742 | Monothioarsenate Transformation Kinetics Determining Arsenic Sequestration by Sulfhydryl Groups of Peat. <i>Environmental Science & Technology</i> , 2018, 52, 7317-7326. | 4.6 | 37 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3743 | Arsenic Removal Using "Green" Renewable Feedstock-Based Hydrogels: Current and Future Perspectives. <i>ACS Omega</i> , 2018, 3, 5910-5917. | 1.6 | 34 |
| 3744 | Organic carbon sources and controlling processes on aquifer arsenic cycling in the Jiangnan Plain, central China. <i>Chemosphere</i> , 2018, 208, 773-781. | 4.2 | 20 |
| 3745 | Chemometric tool to study the mechanism of arsenic contamination in groundwater of Puducherry region, South East coast of India. <i>Chemosphere</i> , 2018, 208, 303-315. | 4.2 | 28 |
| 3746 | A new efficient indigenous material for simultaneous removal of fluoride and inorganic arsenic species from groundwater. <i>Journal of Hazardous Materials</i> , 2018, 357, 159-167. | 6.5 | 65 |
| 3747 | Effect of titanium dioxide nanoparticles on the accumulation and distribution of arsenate in <i>Daphnia magna</i> in the presence of an algal food. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20911-20919. | 2.7 | 9 |
| 3748 | Influence of monsoonal recharge on arsenic and dissolved organic matter in the Holocene and Pleistocene aquifers of the Bengal Basin. <i>Science of the Total Environment</i> , 2018, 637-638, 588-599. | 3.9 | 54 |
| 3749 | Impact of inorganic ions and natural organic matter on arsenates removal by ferrate(VI): Understanding a complex effect of phosphates ions. <i>Water Research</i> , 2018, 141, 357-365. | 5.3 | 42 |
| 3750 | Arsenic in the WiÅ³wka acid mine drainage area (south-central Poland) " Mineralogy, hydrogeochemistry, remediation. <i>Chemical Geology</i> , 2018, 493, 491-503. | 1.4 | 31 |
| 3751 | Quantification and feed to food transfer of total and inorganic arsenic from a commercial seaweed feed. <i>Environment International</i> , 2018, 118, 314-324. | 4.8 | 29 |
| 3752 | Multifunctional photoactive and selective adsorbent for arsenite and arsenate: Evaluation of nano titanium dioxide-enabled chitosan cross-linked with copper. <i>Journal of Hazardous Materials</i> , 2018, 358, 145-154. | 6.5 | 47 |
| 3753 | Water quality variation and hydrogeochemical evolution during artificial groundwater recharge with reclaimed water: laboratory experimental and numerical simulation study. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1. | 0.6 | 7 |
| 3754 | Identification of Bernalite Transformation and Tridentate Arsenate Complex at Nano-goethite under Effects of Drying, pH and Surface Loading. <i>Scientific Reports</i> , 2018, 8, 8369. | 1.6 | 4 |
| 3755 | Characterization of As-polluted soils by laboratory X-ray-based techniques coupled with sequential extractions and electron microscopy: the case of Crocette gold mine in the Monte Rosa mining district (Italy). <i>Environmental Science and Pollution Research</i> , 2018, 25, 25080-25090. | 2.7 | 18 |
| 3756 | Arsenate retention mechanisms on hematite with different morphologies evaluated using AFM, TEM measurements and vibrational spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 155-170. | 1.6 | 34 |
| 3757 | Waterborne and Dietborne Toxicity of Inorganic Arsenic to the Freshwater Zooplankton <i>Daphnia magna</i>. <i>Environmental Science & Technology</i> , 2018, 52, 8912-8919. | 4.6 | 27 |
| 3758 | Distribution, formation and human-induced evolution of geogenic contaminated groundwater in China: A review. <i>Science of the Total Environment</i> , 2018, 643, 967-993. | 3.9 | 150 |
| 3759 | Arsenic Mobility in As-Containing Soils from Geogenic Origin: Fractionation and Leachability. <i>Journal of Chemistry</i> , 2018, 2018, 1-14. | 0.9 | 15 |
| 3760 | A meta-analysis of the distribution, sources and health risks of arsenic-contaminated groundwater in Pakistan. <i>Environmental Pollution</i> , 2018, 242, 307-319. | 3.7 | 175 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3761 | Controls on high and low groundwater arsenic on the opposite banks of the lower reaches of River Ganges, Bengal basin, India. <i>Science of the Total Environment</i> , 2018, 645, 1371-1387. | 3.9 | 40 |
| 3762 | Intracellular mechanism by which arsenite activates the yeast stress MAPK Hog1. <i>Molecular Biology of the Cell</i> , 2018, 29, 1904-1915. | 0.9 | 28 |
| 3763 | Characterization of the antimonite- and arsenite-oxidizing bacterium <i>Bosea</i> sp. AS-1 and its potential application in arsenic removal. <i>Journal of Hazardous Materials</i> , 2018, 359, 527-534. | 6.5 | 56 |
| 3764 | Environmental biogeochemistry of high arsenic geothermal fluids. <i>Applied Geochemistry</i> , 2018, 97, 81-92. | 1.4 | 38 |
| 3765 | Influence of organic management on As bioavailability: Soil quality and tomato As uptake. <i>Chemosphere</i> , 2018, 211, 352-359. | 4.2 | 10 |
| 3766 | Facile synthesis of ZrO ₂ coated BiOClO ₅ for photocatalytic oxidation-adsorption of As(III) under visible light irradiation. <i>Chemosphere</i> , 2018, 211, 934-942. | 4.2 | 16 |
| 3767 | A kinetic study of concurrent arsenic adsorption and phosphorus release during sediment resuspension. <i>Chemical Geology</i> , 2018, 495, 67-75. | 1.4 | 21 |
| 3768 | Fabrication of One Dimensional MnO ₂ @TiO ₂ Nano-Heterostructures for Enhanced Hole Mediated Oxidation of As(III) in Potable Water. <i>ChemCatChem</i> , 2018, 10, 4369-4379. | 1.8 | 10 |
| 3769 | Adsorption kinetic and species variation of arsenic for As(V) removal by biologically mackinawite (FeS). <i>Chemical Engineering Journal</i> , 2018, 354, 237-244. | 6.6 | 50 |
| 3770 | Photochemical oxidation and dissolution of arsenopyrite in acidic solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 173-185. | 1.6 | 38 |
| 3771 | Arsenic removal mediated by acidic pH neutralization and iron precipitation in microbial fuel cells. <i>Science of the Total Environment</i> , 2018, 645, 471-481. | 3.9 | 40 |
| 3772 | Biostimulation and Bioaugmentation: An Alternative Strategy for Bioremediation of Ground Water Contaminated Mixed Landfill Leachate and Sea Water in Low Income ASEAN Countries. , 2018, , 1-19. | | 0 |
| 3773 | Impaired lipid and glucose homeostasis in male mice offspring after combined exposure to low-dose bisphenol A and arsenic during the second half of gestation. <i>Chemosphere</i> , 2018, 210, 998-1005. | 4.2 | 23 |
| 3774 | Model-Based Analysis of Arsenic Immobilization via Iron Mineral Transformation under Advective Flows. <i>Environmental Science & Technology</i> , 2018, 52, 9243-9253. | 4.6 | 57 |
| 3775 | Prospects of genetic engineering utilizing potential genes for regulating arsenic accumulation in plants. <i>Chemosphere</i> , 2018, 211, 397-406. | 4.2 | 51 |
| 3776 | High efficiency removal of As(III) from waters using a new and friendly adsorbent based on sugarcane bagasse and corncob husk Fe-coated biochars. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 616-624. | 2.9 | 33 |
| 3777 | A review on graphene oxide and its composites preparation and their use for the removal of As ³⁺ and As ⁵⁺ from water under the effect of various parameters: Application of isotherm, kinetic and thermodynamics. <i>Chemical Engineering Research and Design</i> , 2018, 119, 138-163. | 2.7 | 115 |
| 3778 | Total and inorganic arsenic contents in seaweeds: Absorption, accumulation, transformation and toxicity. <i>Aquaculture</i> , 2018, 497, 49-55. | 1.7 | 74 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3779 | Arsenic, selenium, boron, lead, cadmium, copper, and zinc in naturally contaminated rocks: A review of their sources, modes of enrichment, mechanisms of release, and mitigation strategies. <i>Science of the Total Environment</i> , 2018, 645, 1522-1553. | 3.9 | 321 |
| 3780 | Student Presentations of Case Studies to Illustrate Core Concepts in Soil Biogeochemistry. <i>ACESSE Publications</i> , 2018, 41, 35. | 0.2 | 5 |
| 3781 | A Pooled Data Analysis to Determine the Relationship between Selected Metals and Arsenic Bioavailability in Soil. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 888. | 1.2 | 8 |
| 3782 | Choline Chloride–Oxalic Acid as a Deep Eutectic Solvent–Based Innovative Digestion Method for the Determination of Selenium and Arsenic in Fish Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 1183-1189. | 0.7 | 19 |
| 3783 | Exposure to Arsenic Alters the Microbiome of Larval Zebrafish. <i>Frontiers in Microbiology</i> , 2018, 9, 1323. | 1.5 | 42 |
| 3784 | Arsenic and Trace Metals in Three West African rivers: Concentrations, Partitioning, and Distribution in Particle-Size Fractions. <i>Archives of Environmental Contamination and Toxicology</i> , 2018, 75, 449-463. | 2.1 | 23 |
| 3785 | Arsenic Uptake, Toxicity, Detoxification, and Speciation in Plants: Physiological, Biochemical, and Molecular Aspects. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 59. | 1.2 | 541 |
| 3786 | Vertical Geochemical Variations and Speciation Studies of As, Fe, Mn, Zn, and Cu in the Sediments of the Central Gangetic Basin: Sequential Extraction and Statistical Approach. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 183. | 1.2 | 4 |
| 3787 | Arsenic Concentration in the Surface Water of a Former Mining Area: The La Junta Creek, Baja California Sur, Mexico. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 437. | 1.2 | 4 |
| 3788 | Arsenic Reduces Gene Expression Response to Changing Salinity in Killifish. <i>Environmental Science & Technology</i> , 2018, 52, 8811-8821. | 4.6 | 5 |
| 3789 | Iron Oxides Minimize Arsenic Mobility in Soil Material Saturated with Saline Wastewater. <i>Journal of Environmental Quality</i> , 2018, 47, 873-883. | 1.0 | 1 |
| 3790 | Climatic variations and de-coupling between arsenic and iron in arsenic contaminated ground water in the lowlands of Nepal. <i>Chemosphere</i> , 2018, 210, 347-358. | 4.2 | 25 |
| 3791 | Effects of Ionic Strength on Arsenate Adsorption at Aluminum Hydroxide–Water Interfaces. <i>Soil Systems</i> , 2018, 2, 1. | 1.0 | 22 |
| 3792 | Arsenite Depletion by Manganese Oxides: A Case Study on the Limitations of Observed First Order Rate Constants. <i>Soil Systems</i> , 2018, 2, 39. | 1.0 | 20 |
| 3793 | Sorption of Arsenic from Desalination Concentrate onto Drinking Water Treatment Solids: Operating Conditions and Kinetics. <i>Water (Switzerland)</i> , 2018, 10, 96. | 1.2 | 16 |
| 3794 | Water Recycling via Aquifers for Sustainable Urban Water Quality Management: Current Status, Challenges and Opportunities. <i>Water (Switzerland)</i> , 2018, 10, 457. | 1.2 | 28 |
| 3795 | Facet-dependent contaminant removal properties of hematite nanocrystals and their environmental implications. <i>Environmental Science: Nano</i> , 2018, 5, 1790-1806. | 2.2 | 93 |
| 3796 | Bioremediation of arsenic-contaminated groundwater by sequestration of arsenic in biogenic pyrite. <i>Applied Geochemistry</i> , 2018, 96, 233-243. | 1.4 | 34 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3797 | Effects of irrigation-induced water table fluctuation on arsenic mobilization in the unsaturated zone of the Datong Basin, northern China. <i>Journal of Hydrology</i> , 2018, 564, 256-265. | 2.3 | 17 |
| 3798 | Influence of the Chemical Form of Antimony on Soil Microbial Community Structure and Arsenite Oxidation Activity. <i>Microbes and Environments</i> , 2018, 33, 214-221. | 0.7 | 15 |
| 3799 | Laboratory Simulations of Organic Geochemical Processes at Elevated Temperatures. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 789-792. | 0.1 | 0 |
| 3800 | Distribution, source and pollution level of heavy metals in river sediments from South China. <i>Catena</i> , 2018, 170, 386-396. | 2.2 | 100 |
| 3801 | Transcriptional regulation of Fe S biogenesis genes: A possible shield against arsenate toxicity activated by Yap1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2152-2161. | 1.1 | 6 |
| 3802 | A comprehensive predictive model for sulfate adsorption on oxide minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 150-168. | 1.6 | 15 |
| 3803 | Biokinetics of arsenate accumulation and release in <i>Microcystis aeruginosa</i> regulated by common environmental factors: Practical implications for enhanced bioremediation. <i>Journal of Cleaner Production</i> , 2018, 199, 112-120. | 4.6 | 13 |
| 3804 | Arsenic-hypertolerant and arsenic-reducing bacteria isolated from wells in Tucumãn, Argentina. <i>Canadian Journal of Microbiology</i> , 2018, 64, 876-886. | 0.8 | 15 |
| 3805 | Synergies in elemental mobility during weathering of tetrahedrite [(Cu,Fe,Zn) ₁₂ (Sb,As) ₄ S ₁₃]: Field observations, electron microscopy, isotopes of Cu, C, O, radiometric dating, and water geochemistry. <i>Chemical Geology</i> , 2018, 488, 1-20. | 1.4 | 18 |
| 3806 | Development of bark-based magnetic iron oxide particle (BMIOP), a bio-adsorbent for removal of arsenic (III) from water. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19657-19674. | 2.7 | 21 |
| 3807 | Non-woven polypropylene fabric modified with carbon nanotubes and decorated with nanoakaganeite for arsenite removal. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 1831-1842. | 1.8 | 2 |
| 3808 | Long-term variations of the riverine input of potentially toxic dissolved elements and the impacts on their distribution in Jiaozhou Bay, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8800-8816. | 2.7 | 4 |
| 3809 | Re-using bauxite residues: benefits beyond (critical raw) material recovery. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2498-2510. | 1.6 | 88 |
| 3810 | Novel electrochemical sensing of arsenic ions using a simple graphite pencil electrode modified with tin oxide nanoneedles. <i>Journal of Molecular Liquids</i> , 2018, 264, 198-204. | 2.3 | 27 |
| 3811 | Hydrogeochemistry of Isti Su hot spring, Western Azerbaijan, Iran. <i>Carbonates and Evaporites</i> , 2018, 33, 861-867. | 0.4 | 0 |
| 3812 | Arsenic mobilization from iron oxides in the presence of oxalic acid under hydrodynamic conditions. <i>Chemosphere</i> , 2018, 212, 219-227. | 4.2 | 16 |
| 3813 | Dissimilatory arsenate-respiring prokaryotes catalyze the dissolution, reduction and release of arsenic from paddy soils into groundwater: implication for the effect of sulfate. <i>Ecotoxicology</i> , 2018, 27, 1126-1136. | 1.1 | 12 |
| 3814 | Response of interfacial water to arsenate adsorption on corundum (Al ₂ O ₃) surfaces: Effects of pH and adsorbate surface coverage. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 198-212. | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3815 | Remediation of arsenic-contaminated soils via waste-reclaimed treatment agents: Batch and field studies. <i>Minerals Engineering</i> , 2018, 127, 90-97. | 1.8 | 7 |
| 3816 | Bioleaching of Arsenic-Bearing Copper Ores. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 215. | 0.8 | 22 |
| 3817 | Assessment and mapping of groundwater vulnerability to pollution: Current status and challenges. <i>Earth-Science Reviews</i> , 2018, 185, 901-927. | 4.0 | 167 |
| 3818 | Catalytic oxidation of arsenite and reaction pathways on the surface of CuO nanoparticles at a wide range of pHs. <i>Geochemical Transactions</i> , 2018, 19, 12. | 1.8 | 14 |
| 3819 | Quantifying Transport of Arsenic in Both Natural Soils and Relatively Homogeneous Porous Media using Stochastic Models. <i>Soil Science Society of America Journal</i> , 2018, 82, 1057-1070. | 1.2 | 6 |
| 3820 | Adsorption and Incorporation of Arsenic to Biogenic Lepidocrocite Formed in the Presence of Ferrous Iron during Denitrification by <i>Paracoccus denitrificans</i> . <i>Environmental Science & Technology</i> , 2018, 52, 9983-9991. | 4.6 | 38 |
| 3821 | Detection of arsenite-oxidizing bacteria in groundwater with low arsenic concentration in Rayong province, Thailand. <i>MATEC Web of Conferences</i> , 2018, 192, 03036. | 0.1 | 1 |
| 3822 | The Impact of Aquifer Flushing on Groundwater Arsenic Across a 35 km Transect Perpendicular to the Upper Brahmaputra River in Assam, India. <i>Water Resources Research</i> , 2018, 54, 8160-8173. | 1.7 | 16 |
| 3823 | Assessment of the quality of Moroccan bottled water by application of quality indices. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 576-585. | 0.6 | 4 |
| 3824 | High arsenic groundwater in the Guide basin, northwestern China: Distribution and genesis mechanisms. <i>Science of the Total Environment</i> , 2018, 640-641, 194-206. | 3.9 | 67 |
| 3825 | Arsenic Contamination of Groundwater in Indus River Basin of Pakistan. <i>Springer Hydrogeology</i> , 2018, , 393-403. | 0.1 | 9 |
| 3826 | Differential protein expression in a marine-derived <i>Staphylococcus</i> sp. NIOSBK35 in response to arsenic(III). <i>3 Biotech</i> , 2018, 8, 287. | 1.1 | 8 |
| 3827 | The influence of Arsenic on the toxicity of carbon nanoparticles in bivalves. <i>Journal of Hazardous Materials</i> , 2018, 358, 484-493. | 6.5 | 54 |
| 3828 | Overpumping leads to California groundwater arsenic threat. <i>Nature Communications</i> , 2018, 9, 2089. | 5.8 | 124 |
| 3829 | Photoreductive dissolution of schwertmannite induced by oxalate and the mobilization of adsorbed As(V). <i>Chemosphere</i> , 2018, 208, 294-302. | 4.2 | 21 |
| 3830 | Geochemical evaluation of soil, surface water and groundwater around the Tongon gold mining area, northern Côte d'Ivoire, West Africa. <i>Journal of African Earth Sciences</i> , 2018, 145, 297-316. | 0.9 | 29 |
| 3831 | Herbicides in river water across the northeastern Italy: occurrence and spatial patterns of glyphosate, aminomethylphosphonic acid, and glufosinate ammonium. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24368-24378. | 2.7 | 41 |
| 3832 | Adsorption and Oxidation of As(III) on Iron (Hydro)Oxides. <i>Water Environment Research</i> , 2018, 90, 483-489. | 1.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3833 | Assessment of heavy metals in loose deposits in drinking water distribution system. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 388. | 1.3 | 20 |
| 3834 | Dissolution of realgar by <i>Acidithiobacillus ferrooxidans</i> in the presence and absence of zerovalent iron: Implications for remediation of iron-deficient realgar tailings. <i>Chemosphere</i> , 2018, 209, 381-391. | 4.2 | 17 |
| 3835 | NanoSIMS imaging of extracellular electron transport processes during microbial iron(III) reduction. <i>FEMS Microbiology Ecology</i> , 2018, 94, . | 1.3 | 65 |
| 3836 | Spatial analysis of groundwater suitability for drinking and irrigation in Lahore, Pakistan. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 391. | 1.3 | 15 |
| 3837 | Synthetic Iron Oxides for Adsorptive Removal of Arsenic. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 203. | 1.1 | 37 |
| 3838 | An Overview of Groundwater Quality in Bangladesh. <i>Springer Hydrogeology</i> , 2018, , 205-232. | 0.1 | 3 |
| 3839 | Groundwater Quality, Contamination, and Processes in Brahmaputra River Basin Aquifers. <i>Springer Hydrogeology</i> , 2018, , 291-305. | 0.1 | 1 |
| 3840 | Arsenic in Groundwater: Distribution and Geochemistry in Nadia District, West Bengal, India. <i>Springer Hydrogeology</i> , 2018, , 349-373. | 0.1 | 6 |
| 3841 | Assessment of groundwater quality of Ballia district, Uttar Pradesh, India, with reference to arsenic contamination using multivariate statistical analysis. <i>Applied Water Science</i> , 2018, 8, 1. | 2.8 | 218 |
| 3842 | Occurrence and levels of potentially harmful elements (PHEs) in natural waters of the gold mining areas of the Kette-Batouri region of Eastern Cameroon. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 416. | 1.3 | 5 |
| 3843 | Influence of titanium dioxide nanoparticles on the toxicity of arsenate in <i>Nannochloropsis maritima</i> . <i>Chemosphere</i> , 2018, 209, 191-200. | 4.2 | 7 |
| 3844 | Retention of arsenic, chromium and boron on an outcropping clay-rich rock formation (the TĀ©gulines) Tj ETQq1 1,0,784314 rgBT /Ove 3,9 26 | | |
| 3845 | Hybrid mineral@silsesquioxane particles for water remediation: synthesis, characterization and application as adsorbent of As(V) and other water pollutants. <i>Journal of Materials Science</i> , 2018, 53, 12781-12794. | 1.7 | 8 |
| 3846 | Security of Deep Groundwater in the Coastal Bengal Basin Revealed by Tracers. <i>Geophysical Research Letters</i> , 2018, 45, 8241-8252. | 1.5 | 25 |
| 3847 | Arsenic removal from water/wastewater using layered double hydroxide derived adsorbents, a critical review. <i>RSC Advances</i> , 2018, 8, 22694-22709. | 1.7 | 79 |
| 3848 | Arsenic Toxicity and Its Remediation Strategies for Fighting the Environmental Threat. , 2019, , 143-170. | | 17 |
| 3849 | Bio-assessment and remediation of arsenic (arsenite As-III) in water by <i>Euglena gracilis</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 423-433. | 1.5 | 15 |
| 3850 | Removing toxic contaminants from groundwater by graphene oxide nanocomposite in a membrane module under response surface optimization. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4583-4594. | 1.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3851 | Manganese-mediated immobilization of arsenic by calcifying macro-algae, <i>Chara braunii</i> . <i>Science of the Total Environment</i> , 2019, 646, 661-669. | 3.9 | 21 |
| 3852 | Interplay of S and As in Mekong Delta sediments during redox oscillations. <i>Geoscience Frontiers</i> , 2019, 10, 1715-1729. | 4.3 | 5 |
| 3853 | The interfacial reactivity of arsenic species with green rust sulfate (GRSO ₄). <i>Science of the Total Environment</i> , 2019, 648, 1161-1170. | 3.9 | 40 |
| 3854 | Arsenic Exposure Contributes to the Bioenergetic Damage in an Alzheimer's Disease Model. <i>ACS Chemical Neuroscience</i> , 2019, 10, 323-336. | 1.7 | 39 |
| 3855 | A comprehensive review on current status, mechanism, and possible sources of arsenic contamination in groundwater: a global perspective with prominence of Pakistan scenario. <i>Environmental Geochemistry and Health</i> , 2019, 41, 737-760. | 1.8 | 108 |
| 3856 | Reactive transport of arsenic-enriched geothermal spring water into a sedimentary aquifer. <i>Environmental Geochemistry and Health</i> , 2019, 41, 633-648. | 1.8 | 0 |
| 3857 | Pressure-driven and thermally-driven membrane operations for the treatment of arsenic-contaminated waters: A comparison. <i>Journal of Hazardous Materials</i> , 2019, 370, 147-155. | 6.5 | 36 |
| 3858 | Dual-functional millisphere of anion-exchanger-supported nanoceria for synergistic As(III) removal with stoichiometric H ₂ O ₂ : Catalytic oxidation and sorption. <i>Chemical Engineering Journal</i> , 2019, 360, 982-989. | 6.6 | 27 |
| 3859 | Efficient degradation of p-arsanilic acid with released arsenic removal by magnetic CeO ₂ @Fe ₃ O ₄ nanoparticles through photo-oxidation and adsorption. <i>Journal of Alloys and Compounds</i> , 2019, 808, 151689. | 2.8 | 24 |
| 3860 | Arsenic redistributive accretion in interdune marshes and its impact on groundwater contamination of coastal plains (southern Brazil). <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 1 |
| 3861 | Long-term stability of the Fe(III)-As(V) coprecipitates: Effects of neutralization mode and the addition of Fe(II) on arsenic retention. <i>Chemosphere</i> , 2019, 237, 124503. | 4.2 | 14 |
| 3862 | Arsenic Oxidation by Flavin-Derived Reactive Species under Oxic and Anoxic Conditions: Oxidant Formation and pH Dependence. <i>Environmental Science & Technology</i> , 2019, 53, 10897-10905. | 4.6 | 18 |
| 3863 | Deciphering the effect of citric acid on arsenic adsorption with phosphorene in aqueous solution. <i>Sustainable Environment Research</i> , 2019, 29, . | 2.1 | 6 |
| 3864 | The effect of ⁵⁷ FeOOH on enhancing arsenic adsorption from groundwater with DMAPAAQ+FeOOH gel composite. <i>Scientific Reports</i> , 2019, 9, 11909. | 1.6 | 22 |
| 3865 | Lake-specific controls on the long-term stability of mining-related, legacy arsenic contamination and geochemical baselines in a changing northern environment, Tundra Mine, Northwest Territories, Canada. <i>Applied Geochemistry</i> , 2019, 109, 104403. | 1.4 | 20 |
| 3866 | A review of arsenic interfacial geochemistry in groundwater and the role of organic matter. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109550. | 2.9 | 53 |
| 3867 | Drinking water quality in the glacial aquifer system, northern USA. <i>Science of the Total Environment</i> , 2019, 694, 133735. | 3.9 | 32 |
| 3868 | Biogeochemical and reactive transport modeling of arsenic in groundwaters from the Mississippi River delta plain: An analog for the As-affected aquifers of South and Southeast Asia. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 245-272. | 1.6 | 26 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3869 | Accumulation, transport and toxicity of arsenic in the Sundarbans mangrove, India. <i>Geoderma</i> , 2019, 354, 113891. | 2.3 | 13 |
| 3870 | Processes controlling arsenic enrichment along the eastern Arabian Sea surficial sediments. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 0 |
| 3871 | Electrocatalytic oxidation of arsenite by reduced graphene oxide via in-situ electrocatalytic generation of H ₂ O ₂ . <i>Environmental Pollution</i> , 2019, 254, 112958. | 3.7 | 18 |
| 3872 | Geochemical, mineralogical and statistical characteristics of arsenic in groundwater of the Lanyang Plain, Taiwan. <i>Journal of Hydrology</i> , 2019, 577, 123975. | 2.3 | 21 |
| 3873 | Correlations between As in Earthworms's Coelomic Fluid and As Bioavailability in Highly Polluted Soils as Revealed by Combined Laboratory X-ray Techniques. <i>Environmental Science & Technology</i> , 2019, 53, 10961-10968. | 4.6 | 10 |
| 3874 | Arsenic speciation in surface waters and lake sediments in an abandoned mine site and field observations of arsenic eco-toxicity. <i>Journal of Geochemical Exploration</i> , 2019, 205, 106349. | 1.5 | 20 |
| 3875 | Perspectives on arsenic toxicity, carcinogenicity and its systemic remediation strategies. <i>Environmental Technology and Innovation</i> , 2019, 16, 100462. | 3.0 | 91 |
| 3876 | Complexation of Arsenite, Arsenate, and Monothioarsenate with Oxygen-Containing Functional Groups of Natural Organic Matter: An XAS Study. <i>Environmental Science & Technology</i> , 2019, 53, 10723-10731. | 4.6 | 50 |
| 3877 | Combined Application of Microbial and Non-Microbial Biostimulants to Improve Growth of Peanut Plants Exposed to Abiotic Stresses. <i>Sustainability in Plant and Crop Protection</i> , 2019, , 239-256. | 0.2 | 1 |
| 3878 | Insights into the Effect of a Natural Arsenate Dose on Growth, Nodulation and Redox Metabolism of Soybean Plants. <i>Pedosphere</i> , 2019, 29, 527-533. | 2.1 | 4 |
| 3879 | Arsenic accumulation in lentil (<i>Lens culinaris</i>) genotypes and risk associated with the consumption of grains. <i>Scientific Reports</i> , 2019, 9, 9431. | 1.6 | 34 |
| 3880 | Cadmium in soils and groundwater: A review. <i>Applied Geochemistry</i> , 2019, 108, 104388. | 1.4 | 602 |
| 3881 | Market Basket Survey of Arsenic Species in the Top Ten Most Consumed Seafoods in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8253-8267. | 2.4 | 25 |
| 3882 | Metagenomic insights into microbial diversity in a groundwater basin impacted by a variety of anthropogenic activities. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26765-26781. | 2.7 | 32 |
| 3883 | Investigation of the chemical processes controlling the groundwater quality of Ilia Prefecture. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 7 |
| 3884 | <i>Microalgae</i> , 2019, , 97-128. | | 13 |
| 3885 | Anomalous concentrations of arsenic, fluoride and radon in volcanic-sedimentary aquifers from central Italy: Quality indexes for management of the water resource. <i>Environmental Pollution</i> , 2019, 253, 525-537. | 3.7 | 26 |
| 3886 | Microbial Probiotics for Agricultural Systems. <i>Sustainability in Plant and Crop Protection</i> , 2019, , . | 0.2 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3887 | Environmental geochemistry of heavy metals in the groundwater of coal mining areas: A case study in Dingji coal mine, Huainan Coalfield, China. <i>Environmental Forensics</i> , 2019, 20, 265-274. | 1.3 | 4 |
| 3888 | Dithiocarbamate-modified cellulose resins: A novel adsorbent for selective removal of arsenite from aqueous media. <i>Journal of Hazardous Materials</i> , 2019, 380, 120816. | 6.5 | 30 |
| 3889 | Treatment of Contaminated Groundwater via Arsenate Removal Using Chitosan-Coated Bentonite. <i>Molecules</i> , 2019, 24, 2464. | 1.7 | 19 |
| 3890 | Transcriptomic Analysis of Two Thioalkalivibrio Species Under Arsenite Stress Revealed a Potential Candidate Gene for an Alternative Arsenite Oxidation Pathway. <i>Frontiers in Microbiology</i> , 2019, 10, 1514. | 1.5 | 9 |
| 3891 | Extreme Arsenic Bioaccumulation Factor Variability in Lake Titicaca, Bolivia. <i>Scientific Reports</i> , 2019, 9, 10626. | 1.6 | 14 |
| 3892 | Expounding the origin of chromium in groundwater of the Sarigkiol basin, Western Macedonia, Greece: a cohesive statistical approach and hydrochemical study. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 509. | 1.3 | 37 |
| 3894 | Constructed wetlands as an alternative for arsenic removal from reverse osmosis effluent. <i>Science of the Total Environment</i> , 2019, 691, 1242-1250. | 3.9 | 31 |
| 3895 | Distribution and Geochemistry of Arsenic in Sediments of the World's Largest Choked Estuary: the Patos Lagoon, Brazil. <i>Estuaries and Coasts</i> , 2019, 42, 1896-1911. | 1.0 | 15 |
| 3896 | Nutrient distribution and structure affect the behavior and speciation of arsenic in coastal waters: A case study in southwestern coast of the Laizhou Bay, China. <i>Marine Pollution Bulletin</i> , 2019, 146, 377-386. | 2.3 | 15 |
| 3897 | Agroecotoxicological Aspect of Arsenic (As) and Cadmium (Cd) on Field Crops and its Mitigation: Current Status and Future Prospect. , 2019, , 217-246. | | 15 |
| 3898 | Maternal blood arsenic levels and associations with birth weight-for-gestational age. <i>Environmental Research</i> , 2019, 177, 108603. | 3.7 | 29 |
| 3899 | Contrasting controls on hydrogeochemistry of arsenic-enriched groundwater in the homologous tectonic settings of Andean and Himalayan basin aquifers, Latin America and South Asia. <i>Science of the Total Environment</i> , 2019, 689, 1370-1387. | 3.9 | 30 |
| 3900 | Early diagenetic behavior of arsenic in the sediment of the hypersaline Maharlu Lake, southern Iran. <i>Chemosphere</i> , 2019, 237, 124465. | 4.2 | 5 |
| 3901 | Using an adsorption isotherm framework to classify removal efficiency of arsenic in full-scale groundwater treatment plants. <i>Journal of Water Process Engineering</i> , 2019, 32, 100898. | 2.6 | 4 |
| 3902 | Interaction between As(III) and Simple Thioacids in Water: An Experimental and ab Initio Molecular Dynamics Investigation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6090-6098. | 1.2 | 10 |
| 3903 | Origin of arsenic and other heavy metals in the rivers of Nepal. <i>Journal of Nepal Geological Society</i> , 2019, 35, 29-36. | 0.2 | 2 |
| 3904 | Accurate determination of the As(ν) coordination environment at the surface of ferrihydrite using synchrotron extended X-ray absorption fine structure spectroscopy and ab initio Debye-Waller factors. <i>Environmental Science: Nano</i> , 2019, 6, 2441-2451. | 2.2 | 7 |
| 3905 | Risk assessment of low arsenic exposure using biomarkers of oxidative and genotoxic stress in a piscine model. <i>Ecotoxicology</i> , 2019, 28, 669-679. | 1.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3906 | Relationship of arsenic accumulation with irrigation practices and crop type in agriculture soils of Bengal Delta, India. <i>Applied Water Science</i> , 2019, 9, 1. | 2.8 | 16 |
| 3907 | Effects of Preconception and in Utero Inorganic Arsenic Exposure on the Metabolic Phenotype of Genetically Diverse Collaborative Cross Mice. <i>Chemical Research in Toxicology</i> , 2019, 32, 1487-1490. | 1.7 | 7 |
| 3908 | Ion flotation removal of a range of contaminant ions from drinking water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103263. | 3.3 | 26 |
| 3909 | Geochemistry of thermal waters and arsenic enrichment at Antsirabe, Central Highlands of Madagascar. <i>Journal of Hydrology</i> , 2019, 577, 123895. | 2.3 | 9 |
| 3910 | Sensitive and Selective in Vitro Recognition of Biologically Toxic As(III) by Rhodamine Based Chemoreceptor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13687-13697. | 3.2 | 34 |
| 3911 | Mobilization of Metal(oid) Oxyanions through Circumneutral Mine Waste-Rock Drainage. <i>ACS Omega</i> , 2019, 4, 10205-10215. | 1.6 | 22 |
| 3912 | Use of a Mouse Model and Human Umbilical Vein Endothelial Cells to Investigate the Effect of Arsenic Exposure on Vascular Endothelial Function and the Associated Role of Calpains. <i>Environmental Health Perspectives</i> , 2019, 127, 77003. | 2.8 | 25 |
| 3913 | As(III) and As(V) removal by using iron impregnated biosorbents derived from waste biomass of <i>Citrus limmeta</i> (peel and pulp) from the aqueous solution and ground water. <i>Journal of Environmental Management</i> , 2019, 250, 109452. | 3.8 | 47 |
| 3914 | Seasonal blooms of neutrophilic Betaproteobacterial Fe(II) oxidizers and Chlorobi in iron-rich coal mine drainage sediments. <i>FEMS Microbiology Ecology</i> , 2019, 95, . | 1.3 | 3 |
| 3915 | Impact of anthropogenic activities on the enrichment of fluoride and salinity in groundwater in the Yuncheng Basin constrained by Cl/Br ratio, $\delta^{18}O$, δ^2H , $\delta^{13}C$ and δ^7Li isotopes. <i>Journal of Hydrology</i> , 2019, 579, 124211. | 2.3 | 56 |
| 3916 | Mechanisms of arsenic assimilation by plants and countermeasures to attenuate its accumulation in crops other than rice. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109701. | 2.9 | 37 |
| 3917 | Assessment of spa mineral water quality from Vrnjačka Banja, Serbia: geochemical, bacteriological, and health risk aspects. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 648. | 1.3 | 8 |
| 3918 | Leaching characteristics of naturally derived toxic elements in the alluvial marine clay layer beneath Osaka Plain, Japan: implications for the reuse of excavated soils. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 5 |
| 3919 | Stabilization of ferric arsenate sludge with mechanochemically prepared FeS ₂ /Fe composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2019, 29, 1983-1992. | 1.7 | 11 |
| 3920 | Mineral Elements in the Raw Milk of Several Dairy Farms in the Province of Alberta. <i>Foods</i> , 2019, 8, 345. | 1.9 | 18 |
| 3921 | The Influence of Underlying Stresses from Environmental Hazards on Resilience in Bangladesh: A System View. <i>International Journal of Disaster Risk Science</i> , 2019, 10, 511-528. | 1.3 | 5 |
| 3922 | First evaluation of novel potential synergistic effects of glyphosate and arsenic mixture on <i>Rhinella arenarum</i> (Anura: Bufonidae) tadpoles. <i>Heliyon</i> , 2019, 5, e02601. | 1.4 | 37 |
| 3923 | Capabilities of nickel zinc ferrite and its nanocomposite with CNT for adsorption of arsenic (V) ions from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103493. | 3.3 | 33 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3924 | Hazardous As(III) removal using nanoporous activated carbon of waste garlic stem as adsorbent: Kinetic and mass transfer mechanisms. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1900-1914. | 1.2 | 34 |
| 3925 | Assessment of arsenic mobility in a shallow aquifer from Bevera Valley Basin (Northern Italy). <i>Arabian Journal of Geosciences</i> , 2019, 12, 1. | 0.6 | 9 |
| 3926 | Efficient Adsorption of the Cd(II) and As(V) Using Novel Adsorbent Ferrihydrite/Manganese Dioxide Composites. <i>ACS Omega</i> , 2019, 4, 18627-18636. | 1.6 | 18 |
| 3927 | Rice production threatened by coupled stresses of climate and soil arsenic. <i>Nature Communications</i> , 2019, 10, 4985. | 5.8 | 146 |
| 3928 | Indications that weathering of evaporite minerals affects groundwater salinity and As mobilization in aquifers of the northwestern Hetao Basin, China. <i>Applied Geochemistry</i> , 2019, 109, 104416. | 1.4 | 19 |
| 3929 | Organo-Modified Vermiculite: Preparation, Characterization, and Sorption of Arsenic Compounds. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 483. | 0.8 | 11 |
| 3930 | Microbial sulfidogenesis of arsenic in naturally contaminated wetland soil. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 33-50. | 1.6 | 16 |
| 3931 | Reducing arsenic and groundwater contaminants down to safe level for drinking purposes via Fe ³⁺ -attached hybrid column. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 722. | 1.3 | 15 |
| 3932 | Speciation and Fractionation of Soil Arsenic from Natural and Anthropogenic Sources: Chemical Extraction, Scanning Electron Microscopy, and Micro-XRF/XAFS Investigation. <i>Environmental Science & Technology</i> , 2019, 53, 14186-14193. | 4.6 | 38 |
| 3933 | Automated Determination of As(III) in Waters with an Electrochemical Sensor Integrated into a Modular Microfluidic System. <i>ACS Sensors</i> , 2019, 4, 3156-3165. | 4.0 | 21 |
| 3934 | Mining Rock Wastes for Water Treatment: Potential Reuse of Fe- and Mn-Rich Materials for Arsenic Removal. <i>Water (Switzerland)</i> , 2019, 11, 1897. | 1.2 | 7 |
| 3935 | Emerging technologies for arsenic removal from drinking water in rural and peri-urban areas: Methods, experience from, and options for Latin America. <i>Science of the Total Environment</i> , 2019, 694, 133427. | 3.9 | 113 |
| 3937 | Enhanced Immobilization of Arsenic from Acid Mine Drainage by Detrital Clay Minerals. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2525-2538. | 1.2 | 7 |
| 3938 | Effectiveness of Monitored Natural Attenuation (MNA) as a Groundwater Remedy for Arsenic in Phosphatic Wastes. <i>Ground Water Monitoring and Remediation</i> , 2019, 39, 52-68. | 0.6 | 3 |
| 3939 | In Search of a Speciation Method for Arsenic in Mine-Influenced Waters: Is Differential Pulse Anodic Stripping Voltammetry the Answer?. <i>Mine Water and the Environment</i> , 2019, 38, 837-846. | 0.9 | 0 |
| 3940 | Arsenic in the waters and sediments of the Humboldt River, North-Central Nevada, USA: hydrological and mineralogical investigation. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 3 |
| 3941 | Seasonal impacts on arsenic mobility and geochemistry in streams surrounding a gold mineralization area, Paracatu, Brazil. <i>Applied Geochemistry</i> , 2019, 109, 104390. | 1.4 | 4 |
| 3942 | Factors controlling arsenic contamination and potential remediation measures in soil-plant systems. <i>Groundwater for Sustainable Development</i> , 2019, 9, 100263. | 2.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3943 | Adsorption and transport behavior of arsenate on saline-alkali soils of tidal flat of Yellow Sea, Eastern China. <i>Environmental Pollutants and Bioavailability</i> , 2019, 31, 166-173. | 1.3 | 5 |
| 3944 | Research on Arsenic Release in Ground-Water-Based Distribution System. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 252, 052080. | 0.2 | 0 |
| 3945 | Di-Iron Trioxide Hydrate-Multi-Walled Carbon Nanotube Nanocomposite for Arsenite Detection Using Surface Plasmon Resonance Technique. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9. | 1.0 | 5 |
| 3946 | Oxalic Acid-Induced Photodissolution of Ferrihydrite and the Fate of Loaded As(V): Kinetics and Mechanism. <i>Nanomaterials</i> , 2019, 9, 1143. | 1.9 | 3 |
| 3947 | Co-Exposure to SiO ₂ Nanoparticles and Arsenic Induced Augmentation of Oxidative Stress and Mitochondria-Dependent Apoptosis in Human Cells. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3199. | 1.2 | 36 |
| 3948 | As(V) removal using biochar produced from an agricultural waste and prediction of removal efficiency using multiple regression analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32175-32188. | 2.7 | 23 |
| 3949 | Potential climate change effects on the geochemical stability of waste and mobility of elements in receiving environments for Canadian metal mines south of 60°N. <i>Environmental Reviews</i> , 2019, 27, 478-518. | 2.1 | 4 |
| 3950 | Pyrite trace-element and sulfur isotope geochemistry of paleo-mesoproterozoic McArthur Basin: Proxy for oxidative weathering. <i>American Mineralogist</i> , 2019, 104, 1256-1272. | 0.9 | 28 |
| 3951 | Metal/metalloid and phosphorus characteristics in porewater associated with manganese geochemistry: A case study in the Jiulong River Estuary, China. <i>Environmental Pollution</i> , 2019, 255, 113134. | 3.7 | 26 |
| 3952 | Water pollution and occupational health hazards caused by the marble industries in district Mardan, Pakistan. <i>Environmental Technology and Innovation</i> , 2019, 16, 100470. | 3.0 | 32 |
| 3953 | Hydrogeochemistry of high-fluoride saline groundwater in the Yuncheng Basin, northern China. <i>E3S Web of Conferences</i> , 2019, 98, 01031. | 0.2 | 1 |
| 3954 | Arsenic mobilization in the piedmont area of the Hetao basin: an insight from a reactive transport model. <i>E3S Web of Conferences</i> , 2019, 98, 05008. | 0.2 | 0 |
| 3955 | Tungsten speciation and its geochemical behavior in geothermal water: A review. <i>E3S Web of Conferences</i> , 2019, 98, 07005. | 0.2 | 7 |
| 3956 | Distribution of As and As(V) adsorption potential onto topsoil in the Datong Basin, northern China. <i>E3S Web of Conferences</i> , 2019, 98, 09004. | 0.2 | 0 |
| 3957 | Functionalization of zigzag graphene nanoribbon with DNA nucleobases-A DFT study. <i>Applied Surface Science</i> , 2019, 496, 143667. | 3.1 | 7 |
| 3958 | Magnetite microparticles decorated cellulose sponge as an efficacious filter for improved arsenic(V) removal. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103386. | 3.3 | 13 |
| 3959 | Elementary Iodine-Doped Activated Carbon as an Oxidizing Agent for the Treatment of Arsenic-Enriched Drinking Water. <i>Water (Switzerland)</i> , 2019, 11, 1778. | 1.2 | 2 |
| 3960 | Removal of Arsenic(III) from water using magnetite precipitated onto Douglas fir biochar. <i>Journal of Environmental Management</i> , 2019, 250, 109429. | 3.8 | 145 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3961 | Monitoring regional groundwater flow and contaminant transport in Southern Punjab, Pakistan, using numerical modeling approach. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1. | 0.6 | 4 |
| 3962 | Removal of As(III) from Synthetic Groundwater Using Fe-Mn Bimetal Modified Kaolin Clay: Adsorption Kinetics, Isotherm and Thermodynamics Studies. <i>Environmental Processes</i> , 2019, 6, 1005-1018. | 1.7 | 9 |
| 3963 | Arsenic Drinking Water Violations Decreased across the United States Following Revision of the Maximum Contaminant Level. <i>Environmental Science & Technology</i> , 2019, 53, 11478-11485. | 4.6 | 26 |
| 3964 | Thioarsenite Detection and Implications for Arsenic Transport in Groundwater. <i>Environmental Science & Technology</i> , 2019, 53, 11684-11693. | 4.6 | 18 |
| 3965 | Facile preparation of ionotropically crosslinked chitosan-alginate nanosorbents by water-in-oil (W/O) microemulsion technique: Optimization and study of arsenic (V) removal. <i>Journal of Water Process Engineering</i> , 2019, 32, 100920. | 2.6 | 18 |
| 3966 | Arsenic toxicity, bioaccumulation and risk assessment: A case study in Tolimique Dam, Aguascalientes, Mexico. <i>Cogent Environmental Science</i> , 2019, 5, 1650630. | 1.6 | 7 |
| 3967 | Enhanced Arsenic Tolerance in <i>Triticum aestivum</i> Inoculated with Arsenic-Resistant and Plant Growth Promoter Microorganisms from a Heavy Metal-Polluted Soil. <i>Microorganisms</i> , 2019, 7, 348. | 1.6 | 40 |
| 3968 | A hydrogeological and geochemical review of groundwater issues in southern Vietnam. <i>Geosciences Journal</i> , 2019, 23, 1005-1023. | 0.6 | 16 |
| 3969 | Arsenic occurrence in Malawi groundwater. <i>Journal of Applied Sciences and Environmental Management</i> , 2019, 22, 1807. | 0.1 | 8 |
| 3970 | Newly Identified Nematodes from Mono Lake Exhibit Extreme Arsenic Resistance. <i>Current Biology</i> , 2019, 29, 3339-3344.e4. | 1.8 | 23 |
| 3971 | A Feasibility Study on the Use of an Atmospheric Water Generator (AWG) for the Harvesting of Fresh Water in a Semi-Arid Region Affected by Mining Pollution. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3278. | 1.3 | 16 |
| 3972 | Hydrogeochemistry, isotopes and geothermometry of Ixtapan de la Sal "Tonatico hot springs, Mexico. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 8 |
| 3973 | Environmental Arsenic and Selenium Contamination and Approaches Towards Its Bioremediation Through the Exploration of Microbial Adaptations: A Review. <i>Pedosphere</i> , 2019, 29, 554-568. | 2.1 | 32 |
| 3974 | Biological Fe(II) and As(III) oxidation immobilizes arsenic in micro-oxic environments. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 265, 96-108. | 1.6 | 44 |
| 3975 | Efficient removal of arsenic from groundwater using iron oxide nanoneedle array-decorated biochar fibers with high Fe utilization and fast adsorption kinetics. <i>Water Research</i> , 2019, 167, 115107. | 5.3 | 142 |
| 3976 | Soil Microbial Communities Involved in Reductive Dissolution of Arsenic from Arsenate-Laden Minerals with Different Carbon Sources. <i>Environmental Science & Technology</i> , 2019, 53, 12398-12406. | 4.6 | 21 |
| 3977 | Spatial distribution, pollution levels, and source identification of heavy metals in wetlands of Suzhou Industrial Park, China. <i>Wetlands Ecology and Management</i> , 2019, 27, 743-758. | 0.7 | 14 |
| 3978 | Occurrence and distribution of high arsenic in sediments and groundwater of the ClaromecÃ³ fluvial basin, southern Pampean plain (Argentina). <i>Science of the Total Environment</i> , 2019, 695, 133673. | 3.9 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3979 | Maternal Heavy Metal Exposure, Thyroid Hormones, and Birth Outcomes: A Prospective Cohort Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5043-5052. | 1.8 | 42 |
| 3980 | The behavior of trace elements in seawater, sedimentary pore water, and their incorporation into carbonate minerals: a review. <i>Facies</i> , 2019, 65, 1. | 0.7 | 109 |
| 3981 | Zinc deficiency alters the susceptibility of pancreatic beta cells (INS-1) to arsenic exposure. <i>BioMetals</i> , 2019, 32, 845-859. | 1.8 | 9 |
| 3982 | Arsenic species uptake and translocation in <i>Elodea canadensis</i> . <i>International Journal of Phytoremediation</i> , 2019, 21, 693-698. | 1.7 | 9 |
| 3983 | Bioaccumulation and biotransformation of arsenic by the brown macroalgae <i>Sargassum patens</i> C. Agardh in seawater: effects of phosphate and iron ions. <i>Journal of Applied Phycology</i> , 2019, 31, 2669-2685. | 1.5 | 28 |
| 3984 | Electron donors for autotrophic denitrification. <i>Chemical Engineering Journal</i> , 2019, 362, 922-937. | 6.6 | 327 |
| 3985 | Non-radical pathway dominated catalytic oxidation of As(III) with stoichiometric H ₂ O ₂ over nanocerium. <i>Environment International</i> , 2019, 124, 393-399. | 4.8 | 34 |
| 3986 | Environmental Chemical Contaminants in Food: Review of a Global Problem. <i>Journal of Toxicology</i> , 2019, 2019, 1-14. | 1.4 | 203 |
| 3987 | Investigation of the source of acidification in an aquifer in Northern Germany. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 3 |
| 3988 | Simultaneous photocatalytic redox removal of chromium(VI) and arsenic(III) by hydrothermal carbon-sphere@nano-Fe ₃ O ₄ . <i>Environmental Science: Nano</i> , 2019, 6, 937-947. | 2.2 | 44 |
| 3989 | Contrasting arsenic cycling in strongly and weakly stratified contaminated lakes: Evidence for temperature control on sediment-water arsenic fluxes. <i>Limnology and Oceanography</i> , 2019, 64, 1333-1346. | 1.6 | 29 |
| 3990 | An energy-efficient air-breathing cathode electrocoagulation approach for the treatment of arsenite in aquatic systems. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 73, 205-213. | 2.9 | 11 |
| 3991 | Distribution of arsenic in core sediments and groundwater in the Chapai Nawabganj district, Bangladesh. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1. | 0.6 | 24 |
| 3992 | Ultrafast and deep removal of arsenic in high-concentration wastewater: A superior bulk adsorbent of porous Fe ₂ O ₃ nanocubes-impregnated graphene aerogel. <i>Chemosphere</i> , 2019, 222, 258-266. | 4.2 | 56 |
| 3993 | Removal of As(III) and As(V) from water using green, silica-based ceramic hollow fibre membranes via direct contact membrane distillation. <i>RSC Advances</i> , 2019, 9, 3367-3376. | 1.7 | 25 |
| 3994 | Adsorption of As(V) from Water over a Hydroxyl-Alumina Modified Paddy Husk Ash Surface and Its Sludge Immobilization. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1. | 1.1 | 9 |
| 3995 | Status of Arsenic Remediation in India. , 2019, , 219-258. | | 13 |
| 3996 | Nanoscale Zerovalent Iron Particles for Treatment of Metalloids. , 2019, , 157-199. | | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3997 | Recent advances in arsenic metabolism in plants: current status, challenges and highlighted biotechnological intervention to reduce grain arsenic in rice. <i>Metallomics</i> , 2019, 11, 519-532. | 1.0 | 61 |
| 3998 | Construction of salicylaldehyde analogues as turn-on fluorescence probes and their electronic effect on sensitive and selective detection of As(v) in groundwater. <i>Analytical Methods</i> , 2019, 11, 955-964. | 1.3 | 9 |
| 3999 | Health Risk Assessment of Different Heavy Metals Dissolved in Drinking Water. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1737. | 1.2 | 59 |
| 4000 | Iron-Based Nanomaterials: Effect on Soil Microbes and Soil Health. <i>Nanotechnology in the Life Sciences</i> , 2019, , 261-285. | 0.4 | 0 |
| 4001 | Reactivity of As and U co-occurring in Mine Wastes in northeastern Arizona. <i>Chemical Geology</i> , 2019, 522, 26-37. | 1.4 | 14 |
| 4002 | Effect of pyrite on enhancement of zero-valent iron corrosion for arsenic removal in water: A mechanistic study. <i>Chemosphere</i> , 2019, 233, 744-753. | 4.2 | 47 |
| 4003 | Differential impacts of copper oxide nanoparticles and Copper(II) ions on the uptake and accumulation of arsenic in rice (<i>Oryza sativa</i>). <i>Environmental Pollution</i> , 2019, 252, 967-973. | 3.7 | 53 |
| 4004 | Arsenic fractionation and its impact on physiological behavior of sunflower (<i>Helianthus annuus</i> L.) in three texturally different soils under alkaline calcareous conditions. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17438-17449. | 2.7 | 9 |
| 4005 | Enhanced removal of As(v) and As(iii) from aqueous solution using ionic liquid-modified magnetic graphene oxide. <i>Chemosphere</i> , 2019, 234, 196-203. | 4.2 | 60 |
| 4006 | Arsenite biotransformation by <i>Rhodococcus</i> sp.: Characterization, optimization using response surface methodology and mechanistic studies. <i>Science of the Total Environment</i> , 2019, 687, 577-589. | 3.9 | 37 |
| 4007 | Arsenic in permafrost-affected rivers and lakes of Tibetan Plateau, China. <i>Environmental Pollutants and Bioavailability</i> , 2019, 31, 226-232. | 1.3 | 13 |
| 4008 | Exploring Biodiversity and Arsenic Metabolism of Microbiota Inhabiting Arsenic-Rich Groundwaters in Northern Italy. <i>Frontiers in Microbiology</i> , 2019, 10, 1480. | 1.5 | 26 |
| 4009 | Dissolved organic matter tracers reveal contrasting characteristics across high arsenic aquifers in Cambodia: A fluorescence spectroscopy study. <i>Geoscience Frontiers</i> , 2019, 10, 1653-1667. | 4.3 | 28 |
| 4010 | Determination of heavy metals and health risk assessment of cheese products consumed in Greece. <i>Journal of Food Composition and Analysis</i> , 2019, 82, 103238. | 1.9 | 31 |
| 4011 | Mechanism of As(V) removal by green synthesized iron nanoparticles. <i>Journal of Hazardous Materials</i> , 2019, 379, 120811. | 6.5 | 59 |
| 4012 | Variable pathways, residence time, and geochemical evolution of seepage beneath the Mississippi River levee during the 2011, 2015, and 2016 floods. <i>Applied Geochemistry</i> , 2019, 108, 104367. | 1.4 | 0 |
| 4013 | Uptake of arsenic and heavy metals by native plants growing near Nui Phao multi-metal mine, northern Vietnam. <i>Applied Geochemistry</i> , 2019, 108, 104368. | 1.4 | 27 |
| 4014 | Morphology Controlled Fabrication of Highly Permeable Carbon Coated Rod-Shaped Magnesium Oxide as a Sustainable Arsenite Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10352-10363. | 1.8 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4015 | Arsenic fate in the Brahmaputra river basin aquifers: Controls of geogenic processes, provenance and water-rock interactions. <i>Applied Geochemistry</i> , 2019, 107, 171-186. | 1.4 | 29 |
| 4016 | Pollution with trace elements and rare-earth metals in the lower course of Syr Darya River and Small Aral Sea, Kazakhstan. <i>Chemosphere</i> , 2019, 234, 81-88. | 4.2 | 36 |
| 4017 | Biostimulation and Bioaugmentation: An Alternative Strategy for Bioremediation of Ground Water Contaminated Mixed Landfill Leachate and Sea Water in Low Income ASEAN Countries. , 2019, , 515-533. | | 0 |
| 4018 | The relative impact of toxic heavy metals (THMs) (arsenic (As), cadmium (Cd), chromium (Cr)(VI), Tj ETQq1 1 0.784314 rgBT /Overload Assessment, 2019, 191, 419. | 1.3 | 679 |
| 4019 | Ecological risk of potentially toxic elements (PTEs) in sediments, seawater, wastewater, and benthic macroinvertebrates, Persian Gulf. <i>Marine Pollution Bulletin</i> , 2019, 145, 377-389. | 2.3 | 29 |
| 4020 | Biosensors for Monitoring Water Pollutants: A Case Study With Arsenic in Groundwater. <i>Separation Science and Technology</i> , 2019, , 285-328. | 0.0 | 7 |
| 4021 | Pellet adsorbent derived from molasses and dewatered alum sludge for arsenic removal. <i>Journal of CO2 Utilization</i> , 2019, 33, 31-36. | 3.3 | 11 |
| 4022 | Seasonal variation of arsenic and antimony in surface waters of small subarctic lakes impacted by legacy mining pollution near Yellowknife, NT, Canada. <i>Science of the Total Environment</i> , 2019, 684, 326-339. | 3.9 | 53 |
| 4024 | Study of arsenic (III) removal by monolayer protected silver nanoadsorbent and its execution on prokaryotic system. <i>Journal of Environmental Management</i> , 2019, 244, 440-452. | 3.8 | 4 |
| 4025 | Plate tectonics influence on geogenic arsenic cycling: From primary sources to global groundwater enrichment. <i>Science of the Total Environment</i> , 2019, 683, 793-807. | 3.9 | 60 |
| 4026 | Model-Based Interpretation of Groundwater Arsenic Mobility during in Situ Reductive Transformation of Ferrihydrite. <i>Environmental Science & Technology</i> , 2019, 53, 6845-6854. | 4.6 | 49 |
| 4027 | The removal of pentavalent arsenic by graphite intercalation compound functionalized carbon foam from contaminated water. <i>Journal of Hazardous Materials</i> , 2019, 377, 274-283. | 6.5 | 31 |
| 4028 | The solid-phase partitioning of arsenic in unconsolidated sediments of the Mekong Delta, Vietnam and its modes of release under various conditions. <i>Chemosphere</i> , 2019, 233, 512-523. | 4.2 | 70 |
| 4029 | Ultra-structure alteration via enhanced silicon uptake in arsenic stressed rice cultivars under intermittent irrigation practices in Bengal delta basin. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 770-779. | 2.9 | 37 |
| 4030 | Fire Promotes Arsenic Mobilization and Rapid Arsenic(III) Formation in Soil via Thermal Alteration of Arsenic-Bearing Iron Oxides. <i>Frontiers in Earth Science</i> , 2019, 7, . | 0.8 | 19 |
| 4031 | Synthesis, structural, magnetic and thermal properties of Mn ₂ As ₂ O ₅ , the first pyro-arsenite of a first-row transition metal. <i>Journal of Solid State Chemistry</i> , 2019, 277, 209-215. | 1.4 | 5 |
| 4032 | Methylated metabolite of arsenite blocks glycerol production in yeast by inhibition of glycerol-3-phosphate dehydrogenase. <i>Molecular Biology of the Cell</i> , 2019, 30, 2134-2140. | 0.9 | 10 |
| 4033 | Reductive dissolution and release of arsenic from arsenopyrite by a novel arsenate-respiring bacterium from the arsenic-contaminated soils. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104712. | 1.9 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4034 | Assessment of Potentially Toxic Elements in Technosols by Tailings Derived from Pb-Zn-Ag Mining Activities at San Quint n (Ciudad Real, Spain): Some Insights into the Importance of Integral Studies to Evaluate Metal Contamination Pollution Hazards. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 346. | 0.8 | 17 |
| 4035 | Arsenic Release and Attenuation Processes in a Groundwater Aquifer During Anaerobic Remediation of TCE with Biostimulation. <i>Ground Water Monitoring and Remediation</i> , 2019, 39, 61-70. | 0.6 | 8 |
| 4036 | Developing a new and simple natural deep eutectic solvent based ultrasonic-assisted microextraction procedure for determination and preconcentration of As and Se from rice samples. <i>Analytical Methods</i> , 2019, 11, 3429-3438. | 1.3 | 22 |
| 4037 | Analysis of occurrence, bioaccumulation and molecular targets of arsenic and other selected volcanic elements in Argentinean Patagonia and Antarctic ecosystems. <i>Science of the Total Environment</i> , 2019, 681, 379-391. | 3.9 | 12 |
| 4038 | Total arsenic and inorganic arsenic speciation in groundwater intended for human consumption in Uruguay: Correlation with fluoride, iron, manganese and sulfate. <i>Science of the Total Environment</i> , 2019, 681, 497-502. | 3.9 | 13 |
| 4039 | Removal of Arsenate and Chromate by Lanthanum-modified Granular Ceramic Material: The Critical Role of Coating Temperature. <i>Scientific Reports</i> , 2019, 9, 7690. | 1.6 | 23 |
| 4040 | Magnetic Nanostructures. <i>Nanotechnology in the Life Sciences</i> , 2019, , . | 0.4 | 19 |
| 4041 | Adsorption of arsenic (V) from aqueous solution using modified saxaul ash: isotherm and thermodynamic study. <i>Applied Water Science</i> , 2019, 9, 1. | 2.8 | 52 |
| 4042 | Origin, distribution, and geochemistry of arsenic in the Altiplano-Puna plateau of Argentina, Bolivia, Chile, and Per . <i>Science of the Total Environment</i> , 2019, 678, 309-325. | 3.9 | 73 |
| 4043 | Photoreductive Dissolution of Schwertmannite with Incorporated As(V) Induced by Oxalate and the Mobilization of As(V). <i>Transactions of Tianjin University</i> , 2019, 25, 258-265. | 3.3 | 1 |
| 4044 | Sustainability assessment of the groundwater quality in the Western India to achieve urban water security. <i>Applied Water Science</i> , 2019, 9, 1. | 2.8 | 20 |
| 4045 | The synergistic trigger of the reductive dissolution of Schwertmannite-As(III) and the release of arsenic from citric acid and UV irradiation. <i>Chemical Geology</i> , 2019, 520, 11-20. | 1.4 | 9 |
| 4046 | Arsenic enrichment in sediments and beaches of Brazilian coastal waters: A review. <i>Science of the Total Environment</i> , 2019, 681, 143-154. | 3.9 | 50 |
| 4047 | Effect of copper(II) species on the photooxidation of arsenite under UV-C irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 381, 111869. | 2.0 | 6 |
| 4048 | Expression of Genes and Proteins Involved in Arsenic Respiration and Resistance in Dissimilatory Arsenate-Reducing <i>Geobacter</i> sp. Strain OR-1. <i>Applied and Environmental Microbiology</i> , 2019, 85, . | 1.4 | 20 |
| 4049 | Biogeochemical cycling, speciation and transformation pathways of arsenic in aquatic environments with the emphasis on algae. <i>Comprehensive Analytical Chemistry</i> , 2019, 85, 15-51. | 0.7 | 21 |
| 4050 | Fluoride occurrence in groundwater systems at global scale and status of defluoridation   State of the art. <i>Groundwater for Sustainable Development</i> , 2019, 9, 100223. | 2.3 | 160 |
| 4051 | Arsenic sensor development based on modification with (<i>E</i>)-<i>N</i>-2-(2-nitrobenzylidene)-benzenesulfonohydrazide: a real sample analysis. <i>New Journal of Chemistry</i> , 2019, 43, 9066-9075. | 1.4 | 148 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4052 | Arsenic and arsenic health effects. AIP Conference Proceedings, 2019, , . | 0.3 | 2 |
| 4053 | A novel Fe-Chitosan-coated carbon electrode sensor for in situ As(III) detection in mining wastewater and soil leachate. Sensors and Actuators B: Chemical, 2019, 294, 89-97. | 4.0 | 51 |
| 4054 | Air pollution biogeochemistry. , 2019, , 175-206. | | 20 |
| 4055 | Arsenic concentrations after drinking water well installation: Time-varying effects on arsenic mobilization. Science of the Total Environment, 2019, 678, 681-691. | 3.9 | 22 |
| 4056 | Interactions between microorganisms and clay minerals: New insights and broader applications. Applied Clay Science, 2019, 177, 91-113. | 2.6 | 98 |
| 4057 | The Genesis of Regolith-Hosted Heavy Rare Earth Element Deposits: Insights from the World-Class Zudong Deposit in Jiangxi Province, South China. Economic Geology, 2019, 114, 541-568. | 1.8 | 84 |
| 4058 | Contrasting sorption behaviours affecting groundwater arsenic concentration in Kandal Province, Cambodia. Geoscience Frontiers, 2019, 10, 1701-1713. | 4.3 | 21 |
| 4059 | Metal-organic frameworks for aquatic arsenic removal. Water Research, 2019, 158, 370-382. | 5.3 | 154 |
| 4060 | Magnetite-Coated Boron Nitride Nanosheets for the Removal of Arsenic(V) from Water. ACS Applied Materials & Interfaces, 2019, 11, 19017-19028. | 4.0 | 50 |
| 4061 | Removal of Hazardous Oxyanions from the Environment Using Metal-Oxide-Based Materials. Materials, 2019, 12, 927. | 1.3 | 77 |
| 4062 | Arsenic mobility and potential co-leaching of fluoride from the sediments of three tributaries of the Upper Brahmaputra floodplain, Lakhimpur, Assam, India. Journal of Geochemical Exploration, 2019, 203, 45-58. | 1.5 | 59 |
| 4063 | Use of (modified) natural adsorbents for arsenic remediation: A review. Science of the Total Environment, 2019, 676, 706-720. | 3.9 | 228 |
| 4064 | A Systematic Review on Arsenic Bio-Availability in Human and Animals: Special Focus on the Rice“Human System. Reviews of Environmental Contamination and Toxicology, 2019, , 1. | 0.7 | 4 |
| 4065 | Selective speciation of inorganic arsenic in water using nanocomposite based solid-phase extraction followed by inductively coupled plasma-mass spectrometry detection. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 924-932. | 0.9 | 8 |
| 4066 | Core-shell Fe ₃ O ₄ @Au nanocomposite as dual-functional optical probe and potential removal system for arsenic (III) from Water. Journal of Hazardous Materials, 2019, 375, 216-223. | 6.5 | 32 |
| 4067 | Electrochemical mass production of graphene nanosheets for arsenic removal from aqueous solutions. Materials Letters, 2019, 250, 16-19. | 1.3 | 10 |
| 4068 | Adsorption of arsenic by activated charcoal coated zirconium-manganese nanocomposite: Performance and mechanism. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 575, 318-328. | 2.3 | 64 |
| 4069 | Arsenic, As. , 2019, , 463-481. | | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4070 | Modifying the Parboiling of Rice to Remove Inorganic Arsenic, While Fortifying with Calcium. <i>Environmental Science & Technology</i> , 2019, 53, 5249-5255. | 4.6 | 20 |
| 4071 | Thermal stability and heavy metal (As ⁵⁺ , Cu ²⁺ , Ni ²⁺ ,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj <i>Materials Research Express</i> , 2019, 6, 085204. | 0.8 | 17 |
| 4072 | Catalytic pyrolysis coupling to enhanced dewatering of waste activated sludge using KMnO ₄ Fe(II) conditioning for preparing multi-functional material to treat groundwater containing combined pollutants. <i>Water Research</i> , 2019, 158, 424-437. | 5.3 | 42 |
| 4073 | Adsorption and Reduction of Arsenate during the Fe ²⁺ -Induced Transformation of Ferrihydrite. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 884-894. | 1.2 | 50 |
| 4074 | Arsenic speciation in Asiatic algae: Case studies in Asiatic continent. <i>Comprehensive Analytical Chemistry</i> , 2019, , 199-245. | 0.7 | 2 |
| 4075 | Control of the mobilization of arsenic and other natural pollutants in groundwater by calcium carbonate concretions in the Pampean Aquifer, southeast of the Buenos Aires province, Argentina. <i>Science of the Total Environment</i> , 2019, 674, 532-543. | 3.9 | 13 |
| 4076 | The rise of oxygen-driven arsenic cycling at ca. 2.48 Ga. <i>Geology</i> , 2019, 47, 243-246. | 2.0 | 27 |
| 4077 | Occurrence, distribution, and significance of arsenic speciation. <i>Comprehensive Analytical Chemistry</i> , 2019, , 1-14. | 0.7 | 10 |
| 4078 | Unraveling prevalence and public health risks of arsenic, uranium and co-occurring trace metals in groundwater along riverine ecosystem in Sindh and Punjab, Pakistan. <i>Environmental Geochemistry and Health</i> , 2019, 41, 2223-2238. | 1.8 | 36 |
| 4079 | Arsenic Removal from a Highly Contaminated Groundwater by a Combined Coagulation-Filtration-Adsorption Process. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1. | 1.1 | 17 |
| 4080 | Removal of anionic arsenate by a PEI-coated bacterial biosorbent prepared from fermentation biowaste. <i>Chemosphere</i> , 2019, 226, 67-74. | 4.2 | 17 |
| 4081 | Enhanced arsenite removal from water by radially porous Fe-chitosan beads: Adsorption and H ₂ O ₂ catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2019, 373, 97-105. | 6.5 | 43 |
| 4082 | The study of metal (As, Cd, Pb, Zn and Cu) contamination in superficial stream sediments around of Zaida mine (High Moulouya-Morocco). <i>Journal of African Earth Sciences</i> , 2019, 154, 49-58. | 0.9 | 19 |
| 4083 | Selective recovery of ferrous oxalate and removal of arsenic and other metals from soil-washing wastewater using a reduction reaction. <i>Journal of Cleaner Production</i> , 2019, 221, 635-643. | 4.6 | 43 |
| 4084 | Bibliometric analysis of research on soil arsenic during 2005â€“2016. <i>Journal of Central South University</i> , 2019, 26, 479-488. | 1.2 | 10 |
| 4085 | Digestive solubilization of particle-associated arsenate by deposit-feeders: The roles of proteinaceous and surfactant materials. <i>Environmental Pollution</i> , 2019, 248, 980-988. | 3.7 | 1 |
| 4086 | Potential of dissolved organic matter (DOM) to extract As, Cd, Co, Cr, Cu, Ni, Pb and Zn from polluted soils: A review. <i>Geoderma</i> , 2019, 343, 235-246. | 2.3 | 143 |
| 4087 | Simplex-Centroid mixture design applied to arsenic (V) removal from waters using synthetic minerals. <i>Journal of Environmental Management</i> , 2019, 238, 92-101. | 3.8 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4088 | Domestic well reliability: evaluating supply interruptions from groundwater overdraft, estimating costs and managing economic externalities. <i>Hydrogeology Journal</i> , 2019, 27, 1159-1182. | 0.9 | 17 |
| 4089 | The development of a conceptual model for arsenic mobilization in a fluvio-eolian aquifer using geochemical and statistical methods. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 16 |
| 4090 | Mechanochemically Synthesised Coal-Based Magnetic Carbon Composites for Removing As(V) and Cd(II) from Aqueous Solutions. <i>Nanomaterials</i> , 2019, 9, 100. | 1.9 | 15 |
| 4091 | Inorganic arsenic exposure induces sex-disparate effects and exacerbates ischemia-reperfusion injury in the female heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1053-H1064. | 1.5 | 16 |
| 4092 | Arsenic Distribution and Pollution Characteristics. , 2019, , 1-15. | | 7 |
| 4093 | Fungal mediated biotransformation reduces toxicity of arsenic to soil dwelling microorganism and plant. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 108-118. | 2.9 | 35 |
| 4094 | Spatial distribution of arsenic in groundwater of Iran, a review. <i>Journal of Geochemical Exploration</i> , 2019, 201, 88-98. | 1.5 | 50 |
| 4095 | Validation of basaltic glass adsorption capabilities from geothermal arsenic in a basaltic aquifer: A case study from Bjarnarflag power Station, Iceland. <i>Geoscience Frontiers</i> , 2019, 10, 1743-1753. | 4.3 | 7 |
| 4096 | Hydrogeochemical controls on arsenic mobility in an arid inland basin, Southeast of Iran: The role of alkaline conditions and salt water intrusion. <i>Environmental Pollution</i> , 2019, 249, 910-922. | 3.7 | 35 |
| 4097 | pH effects of the arsenite photocatalytic oxidation reaction on different anatase TiO ₂ facets. <i>Chemosphere</i> , 2019, 225, 434-442. | 4.2 | 28 |
| 4098 | Arsenic removal from geothermal influenced groundwater with low pressure NF pilot plant for drinking water production in Nicaraguan rural communities. <i>Science of the Total Environment</i> , 2019, 667, 297-305. | 3.9 | 19 |
| 4099 | Immobilization of ssDNA on a metal-organic framework derived magnetic porous carbon (MPC) composite as a fluorescent sensing platform for the detection of arsenate ions. <i>Analyst</i> , The, 2019, 144, 3111-3118. | 1.7 | 23 |
| 4100 | In situ synthesis of hierarchical cobalt-aluminum layered double hydroxide on boehmite surface for efficient removal of arsenate from aqueous solutions: Effects of solution chemistry factors and sorption mechanism. <i>Chemical Engineering Journal</i> , 2019, 368, 914-923. | 6.6 | 40 |
| 4101 | Magmatic fluid input explaining the geochemical anomaly of very high arsenic in some southern Tibetan geothermal waters. <i>Chemical Geology</i> , 2019, 513, 32-43. | 1.4 | 61 |
| 4102 | Trace metals in Northern New England streams: Evaluating the role of road salt across broad spatial scales with synoptic snapshots. <i>PLoS ONE</i> , 2019, 14, e0212011. | 1.1 | 9 |
| 4103 | Facilitated arsenic immobilization by biogenic ferrihydrite-goethite biphasic Fe(III) minerals (Fh-Gt) Tj ETQq1 1 0.784314 rgBT ₂₁ /Overlo | 4.2 | 21 |
| 4104 | Production and characteristics of sewage sludge in Italy. <i>Water Science and Technology</i> , 2019, 79, 619-626. | 1.2 | 22 |
| 4105 | A new method for the speciation of arsenic species in water, seafood and cigarette samples using an eggshell membrane. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1879-1889. | 1.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 4106 | Tracing the Dynamic Changes of Element Profiles by Novel Soil Porewater Samplers with Ultralow Disturbance to Soil-Water Interface. <i>Environmental Science & Technology</i> , 2019, 53, 5124-5132. | 4.6 | 17 |
| 4107 | Many faces of arsenic. <i>Oceanological and Hydrobiological Studies</i> , 2019, 48, 90-104. | 0.3 | 5 |
| 4108 | Spatial distribution of arsenic along groundwater flow path in Chaobai River alluvial-proluvial fan, North China Plain. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 13 |
| 4109 | Arsenic species in mushrooms, with a focus on analytical methods for their determination – A critical review. <i>Analytica Chimica Acta</i> , 2019, 1073, 1-21. | 2.6 | 26 |
| 4110 | Self-enhanced and efficient removal of arsenic from waste acid using magnetite as an in situ iron donator. <i>Water Research</i> , 2019, 157, 269-280. | 5.3 | 46 |
| 4111 | A urinary metabolomics study of a Polish subpopulation environmentally exposed to arsenic. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 54, 44-54. | 1.5 | 11 |
| 4112 | Adsorption and oxidation of arsenic by two kinds of γ -MnO ₂ . <i>Journal of Hazardous Materials</i> , 2019, 373, 232-242. | 6.5 | 44 |
| 4113 | Roles of different molecular weights of dissolved organic matter in arsenic enrichment in groundwater: Evidences from ultrafiltration and EEM-PARAFAC. <i>Applied Geochemistry</i> , 2019, 104, 124-134. | 1.4 | 52 |
| 4114 | Arsenite and arsenate binding to ferrihydrite organo-mineral coprecipitate: Implications for arsenic mobility and fate in natural environments. <i>Chemosphere</i> , 2019, 224, 103-110. | 4.2 | 113 |
| 4115 | Modeling transport of arsenic through modified granular natural siderite filters for arsenic removal. <i>Geoscience Frontiers</i> , 2019, 10, 1755-1764. | 4.3 | 5 |
| 4116 | Facile surface modification of mesoporous silica with heterocyclic silanes for efficiently removing arsenic. <i>Chinese Chemical Letters</i> , 2019, 30, 1133-1136. | 4.8 | 24 |
| 4117 | Characterization of magnetite nanoparticles synthesized from Fe(II)/nitrate solutions for arsenic removal from water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102986. | 3.3 | 30 |
| 4118 | Hydrochemical processes, variability and natural background levels of Arsenic in groundwater of northeastern Mendoza, Argentina. <i>Journal of Iberian Geology</i> , 2019, 45, 365-382. | 0.7 | 10 |
| 4119 | Arsenic in drinking water – recent examples and updates from Southeast Asia. <i>Current Opinion in Environmental Science and Health</i> , 2019, 7, 126-135. | 2.1 | 82 |
| 4120 | Mediating role of arsenic in the relationship between diet and pregnancy outcomes: prospective birth cohort in Bangladesh. <i>Environmental Health</i> , 2019, 18, 10. | 1.7 | 5 |
| 4121 | Graphitic carbon nitride based photocatalysis for redox conversion of arsenic(III) and chromium(VI) in acid aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 349-356. | 10.8 | 74 |
| 4122 | Chemical activity relation of phosphorus and nitrogen presence in trace elements incorporation into underground water. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 93. | 1.3 | 5 |
| 4123 | Potentially toxic elements (PTEs) and polycyclic aromatic hydrocarbons (PAHs) in fish and prawn in the Persian Gulf, Iran. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 251-265. | 2.9 | 59 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4124 | Green synthesis of iron oxide nanoparticles for arsenic remediation in water and sludge utilization. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 795-813. | 2.1 | 57 |
| 4125 | Reducing arsenic in rice grains by leonardite and arsenic-resistant endophytic bacteria. <i>Chemosphere</i> , 2019, 223, 448-454. | 4.2 | 59 |
| 4126 | Mesoporous spinel CoFe_2O_4 as an efficient adsorbent for arsenite removal from water: high efficiency via control of the particle assemblage configuration. <i>Environmental Science: Nano</i> , 2019, 6, 1156-1167. | 2.2 | 16 |
| 4127 | Geochemical assessment, mixing behavior and environmental impact of thermal waters in the Guelma geothermal system, Algeria. <i>Acta Geochimica</i> , 2019, 38, 683-702. | 0.7 | 27 |
| 4128 | Adsorption of arsenate from aqueous solution by ferric oxide-impregnated Dowex Marathon MSA anion exchange resin: application of non-linear isotherm modeling and thermodynamic studies. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 5 |
| 4129 | Impact of double inoculation with <i>Bradyrhizobium japonicum</i> E109 and <i>Azospirillum brasilense</i> Az39 on soybean plants grown under arsenic stress. <i>Plant Physiology and Biochemistry</i> , 2019, 138, 26-35. | 2.8 | 40 |
| 4130 | Multilayer arsenic mobilization and multimetal co-enrichment in the alluvium (Brahmaputra) plains of India: A tale of redox domination along the depth. <i>Chemosphere</i> , 2019, 224, 140-150. | 4.2 | 44 |
| 4131 | <i>Senecio bonariensis</i> Hook. & Arn. promising arsenic phytoextractor from water in laboratory and field trials. <i>Emerging Contaminants</i> , 2019, 5, 15-22. | 2.2 | 4 |
| 4132 | Micro- and Nano-Hollow Spheres in Heavy Metal Removals from Water. <i>Nanotechnology in the Life Sciences</i> , 2019, , 421-441. | 0.4 | 0 |
| 4133 | Applications of biological sulfate reduction for remediation of arsenic – A review. <i>Chemosphere</i> , 2019, 222, 932-944. | 4.2 | 77 |
| 4134 | Development of a rate law for arsenite oxidation by manganese oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 251-267. | 1.6 | 21 |
| 4135 | Recent advances in thin film composites membranes for brackish groundwater treatment with critical focus on Saskatchewan water sources. <i>Journal of Environmental Sciences</i> , 2019, 81, 181-194. | 3.2 | 15 |
| 4136 | Effect of bicarbonate and phosphate on arsenic release from mining-impacted sediments in the Cheyenne River watershed, South Dakota, USA. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 456-468. | 1.7 | 25 |
| 4137 | Assessment of heavy metals [As, Cu, Zn] from boreholes in the Western Region of Ghana. <i>African Journal of Environmental Science and Technology</i> , 2019, 13, 253-259. | 0.2 | 2 |
| 4138 | Geochemical signature of earthquake-induced surface flooding by mineralized groundwater over the buried Atacama deposit, northern Chile. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2019, 19, 487-500. | 0.5 | 1 |
| 4142 | The Toxicity and Uptake of As, Cr and Zn in a Stygobitic Syncarid (Syncarida: Bathynellidae). <i>Water (Switzerland)</i> , 2019, 11, 2508. | 1.2 | 7 |
| 4143 | Characteristics of Arsenic Leached from Sediments: Agricultural Implications of Abandoned Mines. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4628. | 1.3 | 4 |
| 4144 | ARSENIC-BEARING SERPENTINE-GROUP MINERALS: MINERAL SYNTHESIS WITH INSIGHTS FOR THE ARSENIC CYCLE. <i>Clays and Clay Minerals</i> , 2019, 67, 488-506. | 0.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4145 | Assessing arsenic sources in landfill areas: a case study in Sardinia. Italian Journal of Geosciences, 2019, 138, 1-9. | 0.4 | 1 |
| 4146 | A comprehensive study on the bacterial biosorption of heavy metals: materials, performances, mechanisms, and mathematical modellings. Reviews in Chemical Engineering, 2021, 37, 715-754. | 2.3 | 24 |
| 4147 | Cytotoxicity Assessment of Heavy Metal Arsenic (Arsenic Trioxide) Using <i>Nigella sativa</i> L. (Black) Tj ETQq0 0 0, rgBT /Overlock 10 | 0.2 | 4 |
| 4148 | High-Arsenic Groundwater in the Southwestern Bengal Basin Caused by a Lithologically Controlled Deep Flow System. Geophysical Research Letters, 2019, 46, 13062-13071. | 1.5 | 21 |
| 4149 | Adsorptive Removal of Arsenic from Aqueous Environment. Journal of Chemical Engineering of Japan, 2019, 52, 829-834. | 0.3 | 5 |
| 4150 | A disposable acetylcholine esterase sensor for As(ⁱⁱⁱ) determination in groundwater matrix based on 4-acetoxyphenol hydrolysis. Analytical Methods, 2019, 11, 5203-5213. | 1.3 | 3 |
| 4151 | Ecologically relevant arsenic exposure alters female mate preference and anxiety-like behavior in <i>Betta splendens</i> . Heliyon, 2019, 5, e02646. | 1.4 | 8 |
| 4152 | Using Age Tracers and Decadal Sampling to Discern Trends in Nitrate, Arsenic, and Uranium in Groundwater Beneath Irrigated Cropland. Environmental Science & Technology, 2019, 53, 14152-14164. | 4.6 | 10 |
| 4153 | Performance evaluation of surfactant modified kaolin clay in As(III) and As(V) adsorption from groundwater: adsorption kinetics, isotherms and thermodynamics. Heliyon, 2019, 5, e02756. | 1.4 | 49 |
| 4154 | Dissolution and Solubility of the Synthetic Natroalunite and the Arsenic-Incorporated Natroalunite at pH of 2.00-5.60 and 25-45°C. Journal of Chemistry, 2019, 2019, 1-15. | 0.9 | 3 |
| 4155 | How do data-mining models consider arsenic contamination in sediments and variables importance?. Environmental Monitoring and Assessment, 2019, 191, 777. | 1.3 | 10 |
| 4156 | Optical sensing of ultra-trace As ³⁺ species using 2-mercaptoethanol capped CdTe Quantum Dots in aqueous medium. Materials Research Express, 2019, 6, 125056. | 0.8 | 1 |
| 4157 | Arsenic(III) Removal by Nanostructured Dialdehyde Cellulose-Cysteine Microscale and Nanoscale Fibers. ACS Omega, 2019, 4, 22008-22020. | 1.6 | 66 |
| 4158 | Phosphate Induced Arsenic Mobilization as a Potentially Effective In-Situ Remediation Technique-Preliminary Column Tests. Water (Switzerland), 2019, 11, 2364. | 1.2 | 9 |
| 4159 | Fractionation of chemical species in surface water from El Granero reservoir, Chihuahua, Mexico. Environmental Earth Sciences, 2019, 78, 1. | 1.3 | 1 |
| 4160 | The Human Gut Microbiome's Influence on Arsenic Toxicity. Current Pharmacology Reports, 2019, 5, 491-504. | 1.5 | 32 |
| 4161 | Strategies for successful field deployment in a resource-poor region: Arsenic remediation technology for drinking water. Development Engineering, 2019, 4, 100045. | 1.4 | 28 |
| 4162 | Prospective biomonitor and sentinel bivalve species for pollution monitoring and ecosystem health disturbance assessment in mangrove-lined Nicaraguan coasts. Science of the Total Environment, 2019, 649, 186-200. | 3.9 | 21 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4163 | Arsenite and chromate sequestration onto ferrihydrite, siderite and goethite nanostructured minerals: Isotherms from flow-through reactor experiments and XAS measurements. <i>Journal of Hazardous Materials</i> , 2019, 362, 358-367. | 6.5 | 42 |
| 4164 | Experimental constraints on redox-induced arsenic release and retention from aquifer sediments in the central Yangtze River Basin. <i>Science of the Total Environment</i> , 2019, 649, 629-639. | 3.9 | 29 |
| 4165 | Comparative study on the effectiveness of natural coagulant aids and commercial coagulant: removal of arsenic from water. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 5989-5994. | 1.8 | 19 |
| 4166 | Exceptional adsorption of arsenic by zirconium metal-organic frameworks: Engineering exploration and mechanism insight. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 223-234. | 5.0 | 213 |
| 4167 | As(V) rejection by NF membranes using high temperature sources for drinking water production. <i>Groundwater for Sustainable Development</i> , 2019, 8, 198-204. | 2.3 | 11 |
| 4168 | Nitrate contamination and subsequent hydrogeochemical processes of shallow groundwater in agro-livestock farming districts in South Korea. <i>Agriculture, Ecosystems and Environment</i> , 2019, 273, 50-61. | 2.5 | 58 |
| 4169 | Effect of low salinity on acute arsenic toxicity and bioconcentration in shrimp <i>Litopenaeus vannamei</i> juveniles. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 218, 1-7. | 1.3 | 2 |
| 4170 | Arsenic contamination of rural community wells in Nicaragua: A review of two decades of experience. <i>Science of the Total Environment</i> , 2019, 657, 1441-1449. | 3.9 | 14 |
| 4171 | Disentangling natural and anthropogenic impacts on groundwater by hydrogeochemical, isotopic and microbiological data: Hints from a municipal solid waste landfill. <i>Waste Management</i> , 2019, 84, 245-255. | 3.7 | 34 |
| 4172 | Arsenic Exposure and Effects in Humans: A Mini-Review in Brazil. <i>Archives of Environmental Contamination and Toxicology</i> , 2019, 76, 357-365. | 2.1 | 19 |
| 4173 | Environmental geochemistry of As and Pb in a copper low-grade dump, Miduk copper mine, Kerman province, SE Iran. <i>Journal of Geochemical Exploration</i> , 2019, 198, 54-70. | 1.5 | 9 |
| 4174 | The Effect of Environmental Factors on Total Arsenic Accumulation in <i>Sarcodia suiae</i> , Rhodophyta. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 102, 385-390. | 1.3 | 11 |
| 4175 | Calcium ion incorporated hydrous iron(III) oxide: synthesis, characterization, and property exploitation towards water remediation from arsenite and fluoride. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4618-4632. | 2.7 | 10 |
| 4176 | Theoretical Study of Formation of Secondary Arsenic Minerals: Scorodite and Pharmacosiderite. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 192-201. | 1.2 | 17 |
| 4177 | Release of arsenic and iron in aquifer to groundwater under the variation of REDOX environment during bank infiltration: a case study in Huangjia groundwater source area, Northeastern China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1594-1614. | 1.7 | 9 |
| 4178 | Novel composite sorbents based on carbon fibers decorated with ferric hydroxides “ simultaneous removal of antimonate and arsenate from aqueous solutions. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 838-845. | 1.0 | 2 |
| 4179 | Technology alternatives for decontamination of arsenic-rich groundwater – A critical review. <i>Environmental Technology and Innovation</i> , 2019, 13, 277-303. | 3.0 | 101 |
| 4180 | Dual in-aquifer and near surface processes drive arsenic mobilization in Cambodian groundwaters. <i>Science of the Total Environment</i> , 2019, 659, 699-714. | 3.9 | 25 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4181 | Removal of arsenic using functionalized cellulose nanofibrils from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2019, 367, 256-266. | 6.5 | 61 |
| 4182 | Geographical variation of arsenic distribution in paddy soil, rice and rice-based products: A meta-analytic approach and implications to human health. <i>Journal of Environmental Management</i> , 2019, 233, 184-199. | 3.8 | 56 |
| 4183 | Elevated Manganese Concentrations in United States Groundwater, Role of Land Surface–Soil–Aquifer Connections. <i>Environmental Science & Technology</i> , 2019, 53, 29-38. | 4.6 | 94 |
| 4184 | Low-Level Arsenic Removal from Drinking Water. <i>Global Challenges</i> , 2019, 3, 1700047. | 1.8 | 8 |
| 4185 | Bioaccumulation of arsenic and fluoride in vegetables from growing media: health risk assessment among different age groups. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1223-1234. | 1.8 | 20 |
| 4186 | Controls governing the spatial distribution of sediment arsenic concentrations and solid-phase speciation in a lake impacted by legacy mining pollution. <i>Science of the Total Environment</i> , 2019, 654, 563-575. | 3.9 | 24 |
| 4187 | Bioleaching of cobalt from an arsenidic ore. <i>Minerals Engineering</i> , 2019, 131, 73-78. | 1.8 | 11 |
| 4188 | Arsenic Contamination in Asia. <i>Current Topics in Environmental Health and Preventive Medicine</i> , 2019, , . | 0.1 | 4 |
| 4189 | Arsenite S-Adenosylmethionine-Producing <i>Spirulina platensis</i> : A New Trump Card on the Face of Global Arsenic Poisoning. , 2019, , 29-55. | | 0 |
| 4190 | Arsenite biotransformation and bioaccumulation by <i>Klebsiella pneumoniae</i> strain SSSW7 possessing arsenite oxidase (aioA) gene. <i>BioMetals</i> , 2019, 32, 65-76. | 1.8 | 22 |
| 4191 | As(III) and Cr(VI) oxyanion removal from water by advanced oxidation/reduction processes—a review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2203-2227. | 2.7 | 87 |
| 4192 | Physiological and Molecular Responses for Metalloid Stress in Rice—A Comprehensive Overview. , 2019, , 341-369. | | 31 |
| 4193 | Comparative genome analysis of arsenic reducing, hydrocarbon metabolizing groundwater bacterium <i>Achromobacter</i> sp. KAs 3-5T explains its competitive edge for survival in aquifer environment. <i>Genomics</i> , 2019, 111, 1604-1619. | 1.3 | 21 |
| 4194 | Recent Advances in Arsenic Accumulation in Rice. , 2019, , 385-398. | | 10 |
| 4195 | Indigenous people’s responses to drought in northwest Bangladesh. <i>Environmental Development</i> , 2019, 29, 55-66. | 1.8 | 32 |
| 4196 | Preparation of Fe–Co based MOF-74 and its effective adsorption of arsenic from aqueous solution. <i>Journal of Environmental Sciences</i> , 2019, 80, 197-207. | 3.2 | 115 |
| 4197 | Characteristics of pipe corrosion scales in untreated water distribution system and effect on water quality in Peshawar, Pakistan. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5794-5803. | 2.7 | 10 |
| 4198 | Banded Iron Travertines at the Ilia Hot Spring (Greece): An interplay of biotic and abiotic factors leading to a modern Banded Iron Formation analogue?. <i>Depositional Record</i> , 2019, 5, 109-130. | 0.8 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4199 | An Overview on Arsenic Trioxide-Induced Cardiotoxicity. <i>Cardiovascular Toxicology</i> , 2019, 19, 105-119. | 1.1 | 53 |
| 4200 | Exploring the arsenic removal potential of various biosorbents from water. <i>Environment International</i> , 2019, 123, 567-579. | 4.8 | 130 |
| 4201 | Arsenic, antimony, and nickel leaching from northern peatlands treating mining influenced water in cold climate. <i>Science of the Total Environment</i> , 2019, 657, 1161-1172. | 3.9 | 37 |
| 4202 | Surface complexation modeling of arsenic mobilization from goethite: Interpretation of an in-situ experiment. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 248, 274-288. | 1.6 | 52 |
| 4203 | Metagenomic Evidence for a <i>Methylocystis</i> Species Capable of Bioremediation of Diverse Heavy Metals. <i>Frontiers in Microbiology</i> , 2019, 9, 3297. | 1.5 | 19 |
| 4204 | Electrochemical Deposition of Gold Nanoparticles on Reduced Graphene Oxide by Fast Scan Cyclic Voltammetry for the Sensitive Determination of As(III). <i>Nanomaterials</i> , 2019, 9, 41. | 1.9 | 56 |
| 4205 | Geochemical occurrence of arsenic, vanadium and fluoride in groundwater of Patagonia, Argentina: Sources and mobilization processes. <i>Journal of South American Earth Sciences</i> , 2019, 89, 1-9. | 0.6 | 33 |
| 4206 | Arsenic phytotoxicity and accumulation in rice seedlings grown in arsenic-contaminated soils as influenced by the characteristics of organic matter amendments and soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 60-71. | 1.1 | 24 |
| 4207 | Interspecific differences in the bioaccumulation of arsenic of three Patagonian top predator fish: Organ distribution and arsenic speciation. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 431-442. | 2.9 | 40 |
| 4208 | A novel nanostructured Fe-Ti-Mn composite oxide for highly efficient arsenic removal: Preparation and performance evaluation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 364-372. | 2.3 | 48 |
| 4209 | Field-scale bioremediation of arsenic-contaminated groundwater using sulfate-reducing bacteria and biogenic pyrite. <i>Bioremediation Journal</i> , 2019, 23, 1-21. | 1.0 | 15 |
| 4210 | Separation of arsenic(V) by composite adsorbents of metal oxide nanoparticles immobilized on silica flakes and use of adsorbent coated alumina tubes as an alternative method. <i>Journal of Water Process Engineering</i> , 2019, 27, 134-142. | 2.6 | 13 |
| 4211 | Development of Arsenic Removal Technology from Drinking Water in Developing Countries. <i>Current Topics in Environmental Health and Preventive Medicine</i> , 2019, , 163-179. | 0.1 | 0 |
| 4212 | Sustainable and Affordable Composites Built Using Microstructures Performing Better than Nanostructures for Arsenic Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3222-3233. | 3.2 | 26 |
| 4213 | Factors controlling arsenic and selected potentially toxic elements in stream sediment-soil and groundwater-surface water systems of a hydrologically modified semi-closed basin (Uluova) in Elazığ Province, Eastern Turkey. <i>Journal of Hydrology</i> , 2019, 569, 167-187. | 2.3 | 17 |
| 4214 | A Review of Phytoremediation Prospects for Arsenic Contaminated Water and Soil. , 2019, , 243-254. | | 13 |
| 4215 | The impact of dam flushing event on dissolved trace elements concentrations: Coupling integrative passive sampling and discrete monitoring. <i>Science of the Total Environment</i> , 2019, 656, 433-446. | 3.9 | 8 |
| 4216 | Mineralogy, solid-phase fractionation and chemical extraction to assess the mobility and availability of arsenic in an urban environment. <i>Applied Geochemistry</i> , 2019, 100, 244-257. | 1.4 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4217 | Environmental factors controlling arsenic mobilization from sandy shallow coastal aquifer sediments in the Mannar Island, Sri Lanka. <i>Applied Geochemistry</i> , 2019, 100, 152-159. | 1.4 | 25 |
| 4218 | Effect of phosphorus competition on arsenic bioavailability in dry and flooded soils: comparative study using diffusive gradients in thin films and chemical extraction methods. <i>Journal of Soils and Sediments</i> , 2019, 19, 1830-1838. | 1.5 | 12 |
| 4219 | Chemical variability of sediment and groundwater in a Pleistocene aquifer of Cambodia: Implications for arsenic pollution potential. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 441-458. | 1.6 | 30 |
| 4220 | Review of processes controlling arsenic retention and release in soils and sediments of Bengal basin and suitable iron based technologies for its removal. <i>Groundwater for Sustainable Development</i> , 2019, 8, 358-367. | 2.3 | 42 |
| 4221 | Magnetic Fe ₃ O ₄ @CuO nanocomposite assembled on graphene oxide sheets for the enhanced removal of arsenic(III/IV) from water. <i>Applied Surface Science</i> , 2019, 466, 746-756. | 3.1 | 94 |
| 4222 | Spatial diversity of Cr distribution in soil and groundwater sites in relation with land use management in a Mediterranean region: The case of C. Evia and Assopos-Thiva Basins, Greece. <i>Science of the Total Environment</i> , 2019, 651, 656-667. | 3.9 | 29 |
| 4223 | Major ion and dissolved heavy metal geochemistry, distribution, and relationship in the overlying water of Dongting Lake, China. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1091-1104. | 1.8 | 16 |
| 4224 | Amberlite XAD7 resin functionalized with crown ether and Fe(III) used for arsenic removal from water. <i>Pure and Applied Chemistry</i> , 2019, 91, 375-388. | 0.9 | 7 |
| 4225 | Metal-air fuel cell electrocoagulation techniques for the treatment of arsenic in water. <i>Journal of Cleaner Production</i> , 2019, 207, 67-84. | 4.6 | 54 |
| 4226 | Versatility of iron-rich steel waste for the removal of high arsenic and sulfate concentrations in water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4266-4276. | 2.7 | 7 |
| 4227 | In situ arsenic speciation and the release kinetics in coastal sediments: A case study in Daya Bay, South China Sea. <i>Science of the Total Environment</i> , 2019, 650, 2221-2230. | 3.9 | 22 |
| 4228 | Bacteria immobilization on neem leaves/MnFe ₂ O ₄ composite surface for removal of As(III) and As(V) from wastewater. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3263-3288. | 2.3 | 22 |
| 4229 | Sedimentogenesis and hydrobiogeochemistry of high arsenic Late Pleistocene-Holocene aquifer systems. <i>Earth-Science Reviews</i> , 2019, 189, 79-98. | 4.0 | 91 |
| 4230 | South Asian Health: Inflammation, Infection, Exposure, and the Human Microbiome. <i>Journal of Immigrant and Minority Health</i> , 2019, 21, 26-36. | 0.8 | 3 |
| 4231 | Remarks on the current quality of groundwater in Vietnam. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1163-1169. | 2.7 | 46 |
| 4232 | Reductive dissolution and sequestration of arsenic by microbial iron and thiosulfate reduction. <i>Environmental Geochemistry and Health</i> , 2019, 41, 461-467. | 1.8 | 8 |
| 4233 | Adsorption antagonism and synergy of arsenate(V) and cadmium(II) onto Fe-modified rice straw biochars. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1755-1766. | 1.8 | 21 |
| 4234 | Mechanochemically improved surface properties of activated carbon cloth for the removal of As(V) from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4446-4457. | 2.3 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4235 | Toxic Metals in Industrial Wastewaters and Phytoremediation Using Aquatic Macrophytes for Environmental Pollution Control: An Eco-Remedial Approach. , 2020, , 257-282. | | 7 |
| 4236 | Ingestion of Arsenic-Contaminated Drinking Water Leads to Health Risk and Traces in Human Biomarkers (Hair, Nails, Blood, and Urine), Pakistan. <i>Exposure and Health</i> , 2020, 12, 243-254. | 2.8 | 38 |
| 4237 | Anthropogenic Aquifer Recharge and Water Quality. <i>Springer Hydrogeology</i> , 2020, , 133-164. | 0.1 | 6 |
| 4238 | Polyvinyl alcohol-stabilized granular Fe-Mn binary oxide as an effective adsorbent for simultaneous removal of arsenate and arsenite. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2564-2574. | 1.2 | 6 |
| 4239 | Risk assessment of the use of alternative animal and plant raw material resources in aquaculture feeds. <i>Reviews in Aquaculture</i> , 2020, 12, 703-758. | 4.6 | 107 |
| 4240 | Geological-geomorphological and geochemical control on low arsenic concentration in the Lerma valley groundwater between the two high arsenic geologic provinces of Chaco-Pampean plain and Puna. <i>Science of the Total Environment</i> , 2020, 699, 134253. | 3.9 | 1 |
| 4241 | Metal(loid)s (As, Hg, Se, Pb and Cd) in paddy soil: Bioavailability and potential risk to human health. <i>Science of the Total Environment</i> , 2020, 699, 134330. | 3.9 | 237 |
| 4242 | Design and synthesis new colorimetric receptors for naked-eye detection of biologically important fluoride and acetate anions in organic and arsenite in aqueous medium based on ICT mechanism: DFT study and test strip application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117522. | 2.0 | 14 |
| 4243 | Arsenic Remediation in Bangladeshi Rice Varieties with Enhance Plant Growth by Unique Arsenic-Resistant Bacterial Isolates. <i>Geomicrobiology Journal</i> , 2020, 37, 130-142. | 1.0 | 22 |
| 4244 | Using disability-adjusted life years to estimate the cancer risks of low-level arsenic in drinking water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 63-70. | 0.9 | 9 |
| 4245 | Dissolution and final fate of arsenic associated with gypsum, calcite, and ferrihydrite: Influence of microbial reduction of As(V), sulfate, and Fe(III). <i>Chemosphere</i> , 2020, 239, 124823. | 4.2 | 18 |
| 4246 | Arsenic mitigation in rice grain loading via alternative irrigation by proposed water management practices. <i>Chemosphere</i> , 2020, 238, 124988. | 4.2 | 48 |
| 4247 | Occurrence, migration, and allocation of arsenic in multiple media of a typical semi-enclosed bay. <i>Journal of Hazardous Materials</i> , 2020, 384, 121313. | 6.5 | 39 |
| 4248 | Laterite as a low-cost adsorbent in a sustainable decentralized filtration system to remove arsenic from groundwater in Vietnam. <i>Science of the Total Environment</i> , 2020, 699, 134267. | 3.9 | 43 |
| 4249 | Impact of phosphate, silicate and natural organic matter on the size of Fe(III) precipitates and arsenate co-precipitation efficiency in calcium containing water. <i>Separation and Purification Technology</i> , 2020, 235, 116117. | 3.9 | 34 |
| 4250 | Adsorption behavior and mechanism of arsenic on mesoporous silica modified by iron-manganese binary oxide (FeMnOx/SBA-15) from aqueous systems. <i>Journal of Hazardous Materials</i> , 2020, 384, 121229. | 6.5 | 62 |
| 4251 | Nanomaterial-based aptamer sensors for arsenic detection. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111785. | 5.3 | 100 |
| 4253 | The provenance of deep groundwater and its relation to arsenic distribution in the northwestern Hetao Basin, Inner Mongolia. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1429-1451. | 1.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4254 | Trace elements in sediments and fish from Atrato River: an ecosystem with legal rights impacted by gold mining at the Colombian Pacific. <i>Environmental Pollution</i> , 2020, 256, 113290. | 3.7 | 31 |
| 4255 | Simple or complex organic substrates inhibit arsenite oxidation and aioA gene expression in two β -Proteobacteria strains. <i>Research in Microbiology</i> , 2020, 171, 13-20. | 1.0 | 8 |
| 4256 | Arsenic in Wheat, Maize, and Other Crops. , 2020, , 279-306. | | 10 |
| 4257 | Spatial variability of arsenic in Indo-Gangetic basin of Varanasi and its cancer risk assessment. <i>Chemosphere</i> , 2020, 238, 124623. | 4.2 | 31 |
| 4258 | The intrinsic mechanism of catalytic oxidation of arsenite by hydroxyl-radicals in the $\text{H}_3\text{AsO}_3 + \text{CO}_3^{2-} / \text{HCO}_3^- + \text{H}_2\text{O}$ system: A quantum-chemical examination. <i>Chemosphere</i> , 2020, 238, 124466. | 4.2 | 7 |
| 4259 | Arsenic-Contaminated Drinking Water and the Associated Health Effects in the Shahpur Block of Bihar: A Case Study From Five Villages. <i>Advances in Water Security</i> , 2020, , 257-271. | 0.8 | 3 |
| 4260 | Geomorphic Controls on Spatial Arsenic Distribution in Aquifers of the Brahmaputra River Floodplains. <i>Advances in Water Security</i> , 2020, , 43-53. | 0.8 | 0 |
| 4261 | Reductive Dissolution of Fe-oxyhydroxides a Potential Mechanism for Arsenic Release into Groundwater in the Alluvial Plain of River Brahmaputra. <i>Advances in Water Security</i> , 2020, , 55-71. | 0.8 | 0 |
| 4262 | Removal of arsenic(III) from aqueous solution by concrete-based adsorbents. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 353-359. | 0.9 | 9 |
| 4263 | Arsenic Water Resources Contamination. <i>Advances in Water Security</i> , 2020, , . | 0.8 | 6 |
| 4264 | Arsenic Contamination in Environment, Ecotoxicological and Health Effects, and Bioremediation Strategies for Its Detoxification. , 2020, , 245-264. | | 7 |
| 4265 | Relation between in utero arsenic exposure and growth during the first year of life in a New Hampshire pregnancy cohort. <i>Environmental Research</i> , 2020, 180, 108604. | 3.7 | 10 |
| 4266 | Co-occurrence, possible origin, and health-risk assessment of arsenic and fluoride in drinking water sources in Mexico: Geographical data visualization. <i>Science of the Total Environment</i> , 2020, 698, 134168. | 3.9 | 134 |
| 4268 | Migratory effects of arsenic as a hydrogeological pollutant on the quality of wastewater treatment sludge. <i>Water and Environment Journal</i> , 2020, 34, 320-332. | 1.0 | 0 |
| 4269 | High sorption efficiency for As(III) and As(V) from aqueous solutions using novel almond shell biochar. <i>Chemosphere</i> , 2020, 243, 125330. | 4.2 | 81 |
| 4270 | Extension of biotic ligand model to account for the effects of pH and phosphate in accurate prediction of arsenate toxicity. <i>Journal of Hazardous Materials</i> , 2020, 385, 121619. | 6.5 | 13 |
| 4271 | Contrasting arsenic biogeochemical cycling in two Moroccan alkaline pit lakes. <i>Research in Microbiology</i> , 2020, 171, 28-36. | 1.0 | 8 |
| 4272 | Sustainable Development in Changing Complex Earth Systems. <i>Sustainable Development Goals Series</i> , 2020, , . | 0.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4273 | Compositional and health risk assessment of drinking water from health facilities of District Vehari, Pakistan. <i>Environmental Geochemistry and Health</i> , 2020, 42, 2425-2437. | 1.8 | 25 |
| 4274 | A review on decontamination of arsenic-contained water by electrocoagulation: Reactor configurations and operating cost along with removal mechanisms. <i>Environmental Technology and Innovation</i> , 2020, 17, 100519. | 3.0 | 120 |
| 4275 | Hydrogeochemical controls on arsenic contamination potential and health threat in an intensive agricultural area, northern China. <i>Environmental Pollution</i> , 2020, 256, 113455. | 3.7 | 51 |
| 4276 | Critical review of magnetic biosorbents: Their preparation, application, and regeneration for wastewater treatment. <i>Science of the Total Environment</i> , 2020, 702, 134893. | 3.9 | 122 |
| 4277 | Arsenic Adsorption on Iron-Modified Montmorillonite: Kinetic Equilibrium and Surface Complexes. <i>Environmental Engineering Science</i> , 2020, 37, 22-32. | 0.8 | 11 |
| 4278 | Adsorption of Pb and Cd in rice husk and their immobilization in porous glass-ceramic structures. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 105-112. | 1.1 | 8 |
| 4279 | Heavy Metal, Arsenic, and Selenium Concentrations in Bird Feathers from a Region in Southern China Impacted by Intensive Mining of Nonferrous Metals. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 371-380. | 2.2 | 24 |
| 4280 | Arsenic(V) removal by granular adsorbents made from water treatment residuals materials and chitosan. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124036. | 2.3 | 71 |
| 4281 | Biotransformation of adsorbed arsenic on iron minerals by coexisting arsenate-reducing and arsenite-oxidizing bacteria. <i>Environmental Pollution</i> , 2020, 256, 113471. | 3.7 | 17 |
| 4282 | Simulated solar light driven roxarsono degradation and arsenic immobilization with hematite and oxalate. <i>Chemical Engineering Journal</i> , 2020, 384, 123254. | 6.6 | 39 |
| 4283 | Efficient removal of As(III) from aqueous solution by S-doped copper-lanthanum bimetallic oxides: Simultaneous oxidation and adsorption. <i>Chemical Engineering Journal</i> , 2020, 384, 123274. | 6.6 | 28 |
| 4284 | Separation and preconcentration of arsenite and other heavy metal ions using graphene oxide laminated with protein molecules. <i>Journal of Hazardous Materials</i> , 2020, 384, 121479. | 6.5 | 28 |
| 4285 | Inter- and intra-stock bioaccumulation of anionic arsenic species in an endangered catfish from South American estuaries: Risk assessment through consumption. <i>Journal of Food Composition and Analysis</i> , 2020, 87, 103404. | 1.9 | 8 |
| 4286 | Modeling arsenic content in Brazilian soils: What is relevant?. <i>Science of the Total Environment</i> , 2020, 712, 136511. | 3.9 | 22 |
| 4287 | Co-oxidation of arsenic(III) and iron(II) ions by pressurized oxygen in acidic solutions. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 181-189. | 2.4 | 6 |
| 4288 | Effects of Arsenic on Trichloroethene-Dechlorination Activities of <i>Dehalococcoides mccartyi</i> 195. <i>Environmental Science & Technology</i> , 2020, 54, 1276-1285. | 4.6 | 18 |
| 4289 | Removing arsenic from water with an original and modified natural manganese oxide ore: batch kinetic and equilibrium adsorption studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5490-5502. | 2.7 | 23 |
| 4290 | Development and evaluation of the iron oxide-hydroxide based resin gel for the diffusive gradient in thin films technique. <i>Analytica Chimica Acta</i> , 2020, 1102, 36-45. | 2.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4291 | Arsenic: Geochemical distribution and age-related health risk in Italy. <i>Environmental Research</i> , 2020, 182, 109076. | 3.7 | 57 |
| 4292 | Arsenic-contaminated groundwaters remediation by nanofiltration. <i>Separation and Purification Technology</i> , 2020, 238, 116461. | 3.9 | 53 |
| 4293 | Removal of Oxyanion Forming Elements from Contaminated Soils through Combined Sorption onto Zero-Valent Iron (ZVI) and Magnetic Separation: Arsenic and Chromium as Case Studies. <i>Soil and Sediment Contamination</i> , 2020, 29, 180-191. | 1.1 | 7 |
| 4294 | Arsenic distribution and pathway scenarios for sediments and water in a peri-urban Mongolian small-scale coal mining area (Nalaikh District, Ulaanbaatar). <i>Environmental Science and Pollution Research</i> , 2020, 27, 5845-5863. | 2.7 | 12 |
| 4295 | Assessment of trace metals contamination in sediment and surface water of quarry lakes from the abandoned Pb mine Zaida, High Moulouya-Morocco. <i>Environment, Development and Sustainability</i> , 2020, 22, 7013-7031. | 2.7 | 11 |
| 4296 | Recyclable high-affinity arsenate sorbents based on porous Fe ₂ O ₃ /La ₂ O ₂ CO ₃ composites derived from Fe-La-C frameworks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124018. | 2.3 | 28 |
| 4297 | Arsenic inhibits human salivary aldehyde dehydrogenase: Mechanism and a population-based study. <i>Chemosphere</i> , 2020, 243, 125358. | 4.2 | 14 |
| 4298 | Occurrence and distribution of hexavalent chromium in groundwater from North Carolina, USA. <i>Science of the Total Environment</i> , 2020, 711, 135135. | 3.9 | 61 |
| 4299 | Development of water quality criteria for arsenic to protect aquatic life based on species sensitivity distribution. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109933. | 2.9 | 9 |
| 4300 | Arsenic, lead and cadmium concentrations in caudal crests of the yacare caiman (<i>Caiman yacare</i>) from Brazilian Pantanal. <i>Science of the Total Environment</i> , 2020, 707, 135479. | 3.9 | 10 |
| 4301 | Influence of late-Holocene climate change on the solid-phase speciation and long-term stability of arsenic in sub-Arctic lake sediments. <i>Science of the Total Environment</i> , 2020, 709, 136115. | 3.9 | 10 |
| 4302 | Antimony and arsenic speciation, redox-cycling and contrasting mobility in a mining-impacted river system. <i>Science of the Total Environment</i> , 2020, 710, 136354. | 3.9 | 83 |
| 4303 | Evaluation of injection schedule for synthesizing iron-sulfide within the porous media for immobilizing arsenite: In-situ remediation approach for arsenic in groundwater. <i>Groundwater for Sustainable Development</i> , 2020, 10, 100320. | 2.3 | 2 |
| 4304 | Arsenic speciation analysis: A review with an emphasis on chromatographic separations. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115770. | 5.8 | 98 |
| 4305 | As(V) removal from water using the La(III)- Montmorillonite hydrogel beads. <i>Reactive and Functional Polymers</i> , 2020, 147, 104456. | 2.0 | 15 |
| 4306 | Environmental interaction of antimony and arsenic near busy traffic nodes. <i>Science of the Total Environment</i> , 2020, 702, 134642. | 3.9 | 26 |
| 4307 | Comparative Study on Electrochemical Treatment of Arsenite: Effects of Process Parameters, Sludge Characterization and Kinetics. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 3799-3815. | 1.7 | 10 |
| 4308 | Soil pollution characteristics and systemic environmental risk assessment of a large-scale arsenic slag contaminated site. <i>Journal of Cleaner Production</i> , 2020, 251, 119721. | 4.6 | 47 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4310 | Treatment of As-rich mine effluents and produced residues stability: Current knowledge and research priorities for gold mining. <i>Journal of Hazardous Materials</i> , 2020, 386, 121920. | 6.5 | 39 |
| 4311 | Peroxymonosulfate Improves the Activity and Stability of Manganese Oxide for Oxidation of Arsenite to Arsenate. <i>Clean - Soil, Air, Water</i> , 2020, 48, 1900195. | 0.7 | 0 |
| 4312 | Arsenic and the gastrointestinal tract microbiome. <i>Environmental Microbiology Reports</i> , 2020, 12, 136-159. | 1.0 | 41 |
| 4313 | Alluvial and gypsum karst geological transition favors spreading arsenic contamination in Matehuala, Mexico. <i>Science of the Total Environment</i> , 2020, 707, 135340. | 3.9 | 10 |
| 4314 | Evidence for the formation of bog iron ore in soils of the Podravina region, NE Croatia: Geochemical and mineralogical study. <i>Quaternary International</i> , 2020, 536, 13-29. | 0.7 | 4 |
| 4315 | Arsenic exposure: A public health problem leading to several cancers. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 110, 104539. | 1.3 | 246 |
| 4316 | Projecting impacts of climate change on metal mobilization at contaminated sites: Controls by the groundwater level. <i>Science of the Total Environment</i> , 2020, 712, 135560. | 3.9 | 43 |
| 4317 | Arsenic in water, sediment, and fish of lakes from the Central Tibetan Plateau. <i>Journal of Geochemical Exploration</i> , 2020, 210, 106454. | 1.5 | 12 |
| 4318 | Diffusive gradients in thin films technique coupled to X-ray fluorescence spectrometry for the determination of bioavailable arsenic concentrations in soil. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 164, 105752. | 1.5 | 5 |
| 4319 | Distinct Dispersion of As, Cd, Pb, and Zn in Farmland Soils near Abandoned Mine Tailings: Field Observation Results in South Korea. <i>Journal of Chemistry</i> , 2020, 2020, 1-13. | 0.9 | 8 |
| 4320 | Spatiotemporal evolution of iron and sulfate concentrations during riverbank filtration: Field observations and reactive transport modeling. <i>Journal of Contaminant Hydrology</i> , 2020, 234, 103697. | 1.6 | 8 |
| 4321 | Risky responsibilities for rural drinking water institutions: The case of unregulated self-supply in Bangladesh. <i>Global Environmental Change</i> , 2020, 65, 102152. | 3.6 | 19 |
| 4322 | Occurrence, speciation analysis and health risk assessment of arsenic in Chinese mitten crabs (<i>Eriocheir sinensis</i>) collected from China. <i>Journal of Food Composition and Analysis</i> , 2020, 94, 103647. | 1.9 | 10 |
| 4323 | Effect Factor of Arsenite and Arsenate Removal by a Manufactured Material: Activated Carbon-Supported Nano-TiO ₂ . <i>Journal of Chemistry</i> , 2020, 2020, 1-12. | 0.9 | 7 |
| 4324 | Iron isotope evidence for arsenic mobilization in shallow multi-level alluvial aquifers of Jiangnan Plain, central China. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111120. | 2.9 | 11 |
| 4325 | Possible Involvement of a Tetrathionate Reductase Homolog in Dissimilatory Arsenate Reduction by <i>Anaeromyxobacter</i> sp. Strain PSR-1. <i>Applied and Environmental Microbiology</i> , 2020, 86, . | 1.4 | 8 |
| 4326 | Groundwater Arsenic Distribution in India by Machine Learning Geospatial Modeling. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7119. | 1.2 | 57 |
| 4327 | Arsenic (III) and/or copper (II) induces oxidative stress in chicken brain and subsequent effects on mitochondrial homeostasis and autophagy. <i>Journal of Inorganic Biochemistry</i> , 2020, 211, 111201. | 1.5 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4328 | Release of geogenic uranium and arsenic results in water-quality impacts in a subarctic permafrost region of granitic and metamorphic geology. <i>Journal of Geochemical Exploration</i> , 2020, 217, 106607. | 1.5 | 13 |
| 4329 | Groundwater hydrogeochemistry and probabilistic health risk assessment through exposure to arsenic-contaminated groundwater of Meghna floodplain, central-east Bangladesh. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111349. | 2.9 | 67 |
| 4330 | As(III) removal from aqueous solution by katoite (Ca ₃ Al ₂ (OH) ₁₂). <i>Chemosphere</i> , 2020, 260, 127555. | 4.2 | 18 |
| 4331 | A simple spectrophotometric method for rapid quantitative screening of arsenic bio-transforming bacteria. <i>Environmental Technology and Innovation</i> , 2020, 19, 100840. | 3.0 | 3 |
| 4332 | Arsenic and iron speciation and mobilization during phytostabilization of pyritic mine tailings. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 306-323. | 1.6 | 19 |
| 4333 | The relation of geogenic contaminants to groundwater age, aquifer hydrologic position, water type, and redox conditions in Atlantic and Gulf Coastal Plain aquifers, eastern and south-central USA. <i>Science of the Total Environment</i> , 2020, 723, 137835. | 3.9 | 22 |
| 4334 | Solid-phase partitioning and release-retention mechanisms of copper, lead, zinc and arsenic in soils impacted by artisanal and small-scale gold mining (ASGM) activities. <i>Chemosphere</i> , 2020, 260, 127574. | 4.2 | 86 |
| 4335 | Exploring the shallow geothermal resources in the Chilean Southern Volcanic Zone: Insight from the Liquiñe thermal springs. <i>Journal of Geochemical Exploration</i> , 2020, 218, 106611. | 1.5 | 17 |
| 4336 | Mercury and arsenic mobility in resuspended contaminated estuarine sediments (Asturias, Spain): A laboratory-based study. <i>Science of the Total Environment</i> , 2020, 744, 140870. | 3.9 | 14 |
| 4338 | Andean Microbial Ecosystems: Traces in Hypersaline Lakes About Life Origin. <i>Cuatro Cielos Basin: an Endangered Hyperdiverse Oasis</i> , 2020, , 167-181. | 0.4 | 5 |
| 4339 | Highly efficient removal of As(III) from aqueous solutions using goethite/graphene oxide/chitosan nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 13-26. | 3.6 | 28 |
| 4340 | Reduction of bioaccessibility of As in soil through in situ formation of amorphous Fe oxides and its long-term stability. <i>Science of the Total Environment</i> , 2020, 745, 140989. | 3.9 | 3 |
| 4341 | Process-based modeling of arsenic(III) oxidation by manganese oxides under circumneutral pH conditions. <i>Water Research</i> , 2020, 185, 116195. | 5.3 | 13 |
| 4342 | Sn recovery from a tin-bearing middling with a high iron content and the transformation behaviours of the associated As, Pb, and Zn. <i>Science of the Total Environment</i> , 2020, 744, 140863. | 3.9 | 11 |
| 4343 | Facile Synthesis of Manganese Dioxide Nanoparticles for Efficient Removal of Aqueous As(III). <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3988-3997. | 1.0 | 10 |
| 4344 | Ionic imprinted polymer "Vortex-assisted dispersive micro-solid phase extraction for inorganic arsenic speciation in rice by HPLC-ICP-MS. <i>Talanta</i> , 2020, 220, 121418. | 2.9 | 17 |
| 4345 | Aerobic oxidation of arsenite to arsenate by Cu(II)-chitosan/O ₂ in Fenton-like reaction, a XANES investigation. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2713-2722. | 1.2 | 0 |
| 4346 | As(III) adsorption on Fe-Mn binary oxides: Are Fe and Mn oxides synergistic or antagonistic for arsenic removal?. <i>Chemical Engineering Journal</i> , 2020, 389, 124470. | 6.6 | 98 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4347 | Nanofiltration for Arsenic Removal: Challenges, Recent Developments, and Perspectives. <i>Nanomaterials</i> , 2020, 10, 1323. | 1.9 | 76 |
| 4348 | A Review of the Comprehensive Recovery of Valuable Elements from Copper Smelting Open-Circuit Dust and Arsenic Treatment. <i>Jom</i> , 2020, 72, 3860-3875. | 0.9 | 33 |
| 4349 | <i>Aspergillus niger</i> Decreases Bioavailability of Arsenic(V) via Biotransformation of Manganese Oxide into Biogenic Oxalate Minerals. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 270. | 1.5 | 6 |
| 4350 | Seasonal variations in arsenic mobility and bacterial diversity: The case study of Huangshui Creek, Shimen Realgar Mine, Hunan Province, China. <i>Science of the Total Environment</i> , 2020, 749, 142353. | 3.9 | 28 |
| 4351 | Arsenite Oxidation by <i>Dunaliella salina</i> is Affected by External Phosphate Concentration. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 868-873. | 1.3 | 5 |
| 4352 | Role of sulfur in combating arsenic stress through upregulation of important proteins, and in-silico analysis to study the interaction between phosphate transporter (PHO1), arsenic and phosphate in spinach. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 348-358. | 2.8 | 11 |
| 4353 | Implementation of geochemical modeling in post-mining land uses, the case of the abandoned open pit lake of the Kirki high sulfidation epithermal system, Thrace, NE Greece. <i>Environmental Earth Sciences</i> , 2020, 79, 1. | 1.3 | 5 |
| 4354 | Carbon dots@MnO ₂ nanocomposites for As(III) detection in groundwater with high sensitivity and selectivity. <i>Analytical Methods</i> , 2020, 12, 5572-5580. | 1.3 | 15 |
| 4355 | Hydration structure of As(III) aqueous solutions from ab initio molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2020, 318, 114056. | 2.3 | 0 |
| 4356 | Estimating Release of Trace Elements from an Area with Historical Open Pit Mining of Alum Shale Using Mass Transport and Element/Sulfate Ratios Calculations. <i>Environments - MDPI</i> , 2020, 7, 100. | 1.5 | 1 |
| 4357 | Adsorptive Removal of Arsenic by Mesoporous Iron Oxide in Aquatic Systems. <i>Water (Switzerland)</i> , 2020, 12, 3147. | 1.2 | 15 |
| 4358 | Review: Efficiently performing periodic elements with modern adsorption technologies for arsenic removal. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39888-39912. | 2.7 | 26 |
| 4359 | Hydrogeochemical assessment of shallow aquifer in Chakdah, West Bengal for safe water supply. <i>Water Science</i> , 2020, 34, 98-109. | 0.5 | 10 |
| 4360 | Arsenic Contamination in Groundwater Resources of Sirjan Plain, Iran. <i>Environmental Engineering Science</i> , 2020, 37, 658-668. | 0.8 | 3 |
| 4361 | HMSolution and the search for product-market fit. <i>Emerald Emerging Markets Case Studies</i> , 2020, 10, 1-20. | 0.1 | 1 |
| 4362 | A Comparison among Synthetic Layered Double Hydroxides (LDHs) as Effective Adsorbents of Inorganic Arsenic from Contaminated Soil-Water Systems. <i>Soil Systems</i> , 2020, 4, 37. | 1.0 | 5 |
| 4363 | Geostatistical model of the spatial distribution of arsenic in groundwaters in Gujarat State, India. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2649-2664. | 1.8 | 26 |
| 4364 | Geogenic and anthropogenic interactions at a former Sb mine: environmental impacts of As and Sb. <i>Environmental Geochemistry and Health</i> , 2020, 42, 3911-3924. | 1.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4365 | Sedimentological, Mineralogical and Geochemical Features of Late Quaternary Sediment Profiles from the Southern Tuscany Hg Mercury District (Italy): Evidence for the Presence of Pre-Industrial Mercury and Arsenic Concentrations. <i>Water (Switzerland)</i> , 2020, 12, 1998. | 1.2 | 7 |
| 4366 | Arsenic toxicity: adverse effect and recent advance in microbes mediated bioremediation. , 2020, , 53-80. | | 7 |
| 4367 | Elevated groundwater concentrations of arsenic and chromium in ultramafic environments controlled by seawater intrusion, the nitrogen cycle, and anthropogenic activities: The case of the Gerania Mountains, NE Peloponnese, Greece. <i>Applied Geochemistry</i> , 2020, 121, 104697. | 1.4 | 18 |
| 4368 | Manganese, Arsenic, and Carbonate Interactions in Model Oxidic Groundwater Systems. <i>Environmental Science & Technology</i> , 2020, 54, 10621-10629. | 4.6 | 9 |
| 4369 | Lanthanum hydroxide: a highly efficient and selective adsorbent for arsenate removal from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42868-42880. | 2.7 | 28 |
| 4370 | Cellular response of <i>Brevibacterium casei</i> #NIO5BA88 to arsenic and chromium—a proteomic approach. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 1885-1895. | 0.8 | 12 |
| 4371 | Bioaccumulation and biochemical patterns of <i>Ruditapes philippinarum</i> clams: Responses to seasonality and low contamination levels. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 243, 106883. | 0.9 | 6 |
| 4372 | Rising arsenic concentrations from dewatering a geothermally influenced aquifer in central Mexico. <i>Water Research</i> , 2020, 185, 116257. | 5.3 | 49 |
| 4373 | Synthesis and sensing efficiency of CN-wrapped ZnFe ₂ O ₄ microsphere—ionic liquid composites towards ultra-high sensitive arsenic(III) monitoring of ground drinking water. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12984-12992. | 2.7 | 20 |
| 4374 | Trace element mobility, regional significance and global implication of Gomati river basin, northern India. <i>SN Applied Sciences</i> , 2020, 2, 1. | 1.5 | 11 |
| 4375 | Biosorption of heavy metal arsenic from Industrial Sewage of Davangere District, Karnataka, India, using indigenous fungal isolates. <i>SN Applied Sciences</i> , 2020, 2, 1. | 1.5 | 14 |
| 4376 | Geochemical behavior and remobilization potential of trace elements in surface sediments from the baixada santista industrial area, Southeastern Brazilian coast. <i>Journal of Sedimentary Environments</i> , 2020, 5, 505-518. | 0.7 | 2 |
| 4377 | Seasonal Temperature Oscillations Drive Contrasting Arsenic and Antimony Mobilization in a Mining-Impacted River System. <i>Water Resources Research</i> , 2020, 56, e2020WR028196. | 1.7 | 12 |
| 4378 | Zeolite-Rich Composite Materials for Environmental Remediation: Arsenic Removal from Water. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6939. | 1.3 | 22 |
| 4379 | Reduction by, ligand exchange among, and covalent binding to glutathione and cellular thiols link metabolism and disposition of dietary arsenic species with toxicity. <i>Environment International</i> , 2020, 144, 106086. | 4.8 | 12 |
| 4380 | Challenges and Solutions for Sustainable Groundwater Usage: Pollution Control and Integrated Management. <i>Current Pollution Reports</i> , 2020, 6, 310-327. | 3.1 | 18 |
| 4381 | Microbial-assisted heavy metal remediation: Bottlenecks and prospects. , 2020, , 349-372. | | 2 |
| 4382 | Arsenic pollution in Quaternary sediments and water near a former gold mine. <i>Scientific Reports</i> , 2020, 10, 18458. | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4383 | HMSolution en bÃsqueda del âœProduct-Market fitâœ. Emerald Emerging Markets Case Studies, 2020, 10, 1-21. | 0.1 | 0 |
| 4384 | Molecular and taxonomic characterization of arsenic (As) transforming Bacillus sp. strain IIIJ3â€1 isolated from As-contaminated groundwater of Brahmaputra river basin, India. BMC Microbiology, 2020, 20, 256. | 1.3 | 10 |
| 4385 | Organic phosphorus affects the retention of arsenite and arsenate by goethite. Journal of Environmental Quality, 2020, 49, 1655-1666. | 1.0 | 8 |
| 4386 | Determining thresholds of arsenic and mercury in stream sediment for mapping natural toxic element anomaly using data-driven models: a comparative study on probability plots and fractal methods. Arabian Journal of Geosciences, 2020, 13, 1. | 0.6 | 0 |
| 4387 | Longâ€term observational study on 6223 survivors of arsenic poisoning due to contaminated milk powder during infancy. Cancer Science, 2020, 111, 3873-3880. | 1.7 | 7 |
| 4388 | Recent Developments in Aqueous Arsenic(III) Remediation Using Biomass-Based Adsorbents. ACS Symposium Series, 2020, , 197-251. | 0.5 | 2 |
| 4389 | Enhanced Arsenic (III and V) Removal in Anoxic Environments by Hierarchically Structured Citrate/FeCO ₃ Nanocomposites. Nanomaterials, 2020, 10, 1773. | 1.9 | 3 |
| 4390 | Assessing the Plant Growth Promoting and Arsenic Tolerance Potential of Bradyrhizobium japonicum CB1809. Environmental Management, 2020, 66, 930-939. | 1.2 | 8 |
| 4391 | Sediment record of mining legacy and water quality from a drinking-water reservoir, Aztec, New Mexico, USA. Environmental Earth Sciences, 2020, 79, 1. | 1.3 | 4 |
| 4392 | Cost-effective synthesis and characterization of CuO NPs as a nanosize adsorbent for As (III) remediation in synthetic arsenic-contaminated water. Journal of Environmental Health Science & Engineering, 2020, 18, 1131-1140. | 1.4 | 8 |
| 4393 | Co-relation of Arsenic contamination with water table fluctuations and groundwater flow dynamics: A case study in a part of Bengal basin. International Journal of Environmental Analytical Chemistry, 2020, , 1-24. | 1.8 | 4 |
| 4394 | Epiphytic bacterial community enhances arsenic uptake and reduction by Myriophyllum verticillatum. Environmental Science and Pollution Research, 2020, 27, 44205-44217. | 2.7 | 1 |
| 4395 | River Water Quality of the Selenga-Baikal Basin: Part Iâ€Spatio-Temporal Patterns of Dissolved and Suspended Metals. Water (Switzerland), 2020, 12, 2137. | 1.2 | 18 |
| 4396 | Genesis of geogenic contaminated groundwater: As, F and I. Critical Reviews in Environmental Science and Technology, 2021, 51, 2895-2933. | 6.6 | 68 |
| 4397 | Removal of Arsenate and Arsenite in Equimolar Ferrous and Ferric Sulfate Solutions through Mineral Coprecipitation: Formation of Sulfate Green Rust, Goethite, and Lepidocrocite. Soil Systems, 2020, 4, 68. | 1.0 | 4 |
| 4398 | Effects of Ni incorporation on the reactivity and stability of hausmannite (Mn ₃ O ₄): Environmental implications for Mn, Ni, and As solubility and cycling. Chemical Geology, 2020, 558, 119862. | 1.4 | 8 |
| 4400 | Source analysis of heavy metals in topsoil and water in arid area: a case study in northwest China. IOP Conference Series: Earth and Environmental Science, 2020, 601, 012013. | 0.2 | 0 |
| 4401 | Photooxidation based on UV/H ₂ O ₂ process for arsenic removal from aqueous solutions. IOP Conference Series: Materials Science and Engineering, 2020, 962, 042080. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4402 | Development of LC-HGAFS method for direct measurement of monothioarsenate and application for its adsorption characteristics. <i>Applied Geochemistry</i> , 2020, 122, 104708. | 1.4 | 2 |
| 4403 | Effect of Total Nitrogen on the Physical and Mechanical Properties and Deformation Characteristics of Soil. <i>Journal of Physics: Conference Series</i> , 2020, 1676, 012043. | 0.3 | 1 |
| 4404 | Jean Kempite, $\text{Ca}_5(\text{AsO}_4)_2(\text{AsO}_3\text{OH})_2(\text{H}_2\text{O})_7$, a new arsenate mineral from the Mohawk Mine, Keweenaw County, Michigan, USA. <i>Mineralogical Magazine</i> , 2020, 84, 959-969. | 0.6 | 1 |
| 4405 | Groundwater "Stream Connectivity Mediates Metal(loid) Geochemistry in the Hyporheic Zone of Streams Impacted by Historic Mining and Acid Rock Drainage. <i>Frontiers in Water</i> , 2020, 2, . | 1.0 | 6 |
| 4406 | Treatment of Zn^{2+} in wastewater by sinusoidal alternating current coagulation: response surface methodology and removal mechanism. <i>Water Science and Technology</i> , 2020, 82, 1950-1960. | 1.2 | 1 |
| 4407 | Bioleaching for the Removal of Arsenic from Mine Tailings by Psychrotolerant and Mesophilic Microbes at Markedly Continental Climate Temperatures. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 972. | 0.8 | 4 |
| 4408 | Arsenic induced redox imbalance triggers the unfolded protein response in the liver of zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2020, 409, 115307. | 1.3 | 18 |
| 4409 | Geochemistry of Groundwater and Naturally Occurring Biogenic Pyrite in the Holocene Fluvial Aquifers in Uphabee Watershed, Macon County, Alabama. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 912. | 0.8 | 0 |
| 4410 | Energy Efficient Rapid Removal of Arsenic in an Electrocoagulation Reactor with Hybrid Fe/Al Electrodes: Process Optimization Using CCD and Kinetic Modeling. <i>Water (Switzerland)</i> , 2020, 12, 2876. | 1.2 | 27 |
| 4411 | Redox-dependent effects of phosphate on arsenic speciation in paddy soils. <i>Environmental Pollution</i> , 2020, 264, 114783. | 3.7 | 20 |
| 4412 | Delineation of sources of elevated trace elements in surface water and groundwater in Quaternary aquifers of southeastern Imphal valley, Northeast India. <i>Sustainable Water Resources Management</i> , 2020, 6, 1. | 1.0 | 1 |
| 4413 | Metal binding ability of microbial natural metal chelators and potential applications. <i>Natural Product Reports</i> , 2020, 37, 1262-1283. | 5.2 | 51 |
| 4414 | Change in Arsenic Leaching from Silty Soil by Adding Slag Cement. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1. | 1.1 | 4 |
| 4415 | The migration dynamics and the speciation of arsenic in the Hetao area, Inner Mongolia. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 332. | 1.3 | 3 |
| 4416 | Environmental Soil Remediation and Rehabilitation. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , . | 0.2 | 4 |
| 4417 | Arsenic intoxication: general aspects and chelating agents. <i>Archives of Toxicology</i> , 2020, 94, 1879-1897. | 1.9 | 74 |
| 4418 | Experiment-based geochemical modeling of Arsenic(V) and Arsenic(III) adsorption onto aquifer sediments from an inland basin. <i>Journal of Hydrology</i> , 2020, 588, 125094. | 2.3 | 18 |
| 4419 | Mechanistic insights into simultaneous removal of copper, cadmium and arsenic from water by iron oxide-functionalized magnetic imogolite nanocomposites. <i>Journal of Hazardous Materials</i> , 2020, 398, 122940. | 6.5 | 27 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4420 | Metal pollution assessment of surface water from the abandoned Pb mine Zaida, high Moulouya-Morocco. <i>Geosystem Engineering</i> , 2020, 23, 226-233. | 0.7 | 5 |
| 4421 | Fungi and Arsenic: Tolerance and Bioaccumulation by Soil Saprotrophic Species. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3218. | 1.3 | 12 |
| 4422 | Direct Arsenic Removal from Water Using Non-Membrane, Low-Temperature Directional Solvent Extraction. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2938-2946. | 1.0 | 17 |
| 4423 | The removal of arsenic species from aqueous solution by indigenous microbes: Batch bioadsorption and artificial neural network model. <i>Environmental Technology and Innovation</i> , 2020, 19, 100830. | 3.0 | 22 |
| 4424 | Granite- and andesite-hosted thermal water: geochemistry and environmental issues in northern Sardinia, Italy. <i>Environmental Earth Sciences</i> , 2020, 79, 1. | 1.3 | 8 |
| 4425 | Characterization of Nitrate-Dependent As(III)-Oxidizing Communities in Arsenic-Contaminated Soil and Investigation of Their Metabolic Potentials by the Combination of DNA-Stable Isotope Probing and Metagenomics. <i>Environmental Science & Technology</i> , 2020, 54, 7366-7377. | 4.6 | 82 |
| 4426 | Global threat of arsenic in groundwater. <i>Science</i> , 2020, 368, 845-850. | 6.0 | 712 |
| 4427 | Microbial Ecosystems in Central Andes Extreme Environments. , 2020, , . | | 9 |
| 4428 | Nonlinear transformation and release of arsenic fractions in soil and its implication for site risk assessment. <i>Journal of Cleaner Production</i> , 2020, 262, 121304. | 4.6 | 18 |
| 4429 | Optimisation of arsenate removal from water by an integrated ion-exchange membrane process coupled with Fe co-precipitation. <i>Separation and Purification Technology</i> , 2020, 246, 116894. | 3.9 | 17 |
| 4430 | Formation of hydroperoxo (â€œOOH) species on the surface of self-doped Bi ₂ .15WO ₆ : reactivity towards As(III) oxidation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12456-12464. | 1.3 | 11 |
| 4431 | <i>In situ</i> remediation of arsenic-rich mine tailings using slag zero valence iron. <i>Mineralogical Magazine</i> , 2020, 84, 420-434. | 0.6 | 1 |
| 4432 | Controlling Arsenic Mobilization during Managed Aquifer Recharge: The Role of Sediment Heterogeneity. <i>Environmental Science & Technology</i> , 2020, 54, 8728-8738. | 4.6 | 33 |
| 4433 | Membrane-based technology for groundwater treatment. , 2020, , 409-460. | | 0 |
| 4434 | Non-chromatographic speciation of arsenic by successive dispersive liquid-liquid microextraction and in situ formation of an ionic liquid in water samples. <i>Microchemical Journal</i> , 2020, 157, 105102. | 2.3 | 11 |
| 4435 | Coastal bays and coral cays: Multi-element study of <i>Chelonia mydas</i> forage in the Great Barrier Reef (2015â€“2017). <i>Science of the Total Environment</i> , 2020, 740, 140042. | 3.9 | 7 |
| 4436 | Revisiting the forms of trace elements in biogeochemical cycling: Analytical needs and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115953. | 5.8 | 9 |
| 4437 | Biosurfactant rhamnolipid affects the desorption of sorbed As(III), As(V), Cr(VI), Cd(II) and Pb(II) on iron (oxyhydr)oxides and clay minerals. <i>International Biodeterioration and Biodegradation</i> , 2020, 153, 105019. | 1.9 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4438 | The effect of groundwater velocities on sulfidation of arsenic-bearing ferrihydrite: Insight from column experiments. <i>Journal of Hydrology</i> , 2020, 586, 124827. | 2.3 | 8 |
| 4439 | Effects of extreme pH conditions on the stability of As(V)-bearing schwertmannite. <i>Chemosphere</i> , 2020, 251, 126427. | 4.2 | 18 |
| 4440 | Trace elements in the estuarine systems of the Gulf of Trieste (northern Adriatic Sea): A chemometric approach to depict partitioning and behaviour of particulate, colloidal and truly dissolved fractions. <i>Chemosphere</i> , 2020, 252, 126517. | 4.2 | 12 |
| 4441 | Arsenic-fluoride co-contamination in groundwater: Background and anomalies in a volcanic-sedimentary aquifer in central Italy. <i>Journal of Geochemical Exploration</i> , 2020, 217, 106590. | 1.5 | 30 |
| 4442 | Versatile Process for the Preparation of Nanocomposite Sorbents: Phosphorus and Arsenic Removal. <i>Environmental Science & Technology</i> , 2020, 54, 9034-9043. | 4.6 | 28 |
| 4443 | Contamination of heavy metals in paddy soil in the vicinity of Nui Phao multi-metal mine, North Vietnam. <i>Environmental Geochemistry and Health</i> , 2020, 42, 4141-4158. | 1.8 | 23 |
| 4444 | Distributions, quality assessments and fluxes of heavy metals carried by submarine groundwater discharge in different types of wetlands in Jiaozhou Bay, China. <i>Marine Pollution Bulletin</i> , 2020, 157, 111310. | 2.3 | 12 |
| 4445 | Removal of Arsenic, Chromium and Uranium from Water Sources by Novel Nanostructured Materials Including Graphene-Based Modified Adsorbents: A Mini Review of Recent Developments. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3241. | 1.3 | 36 |
| 4446 | The role of melatonin in reinforcement of antioxidant system of rice plant (<i>Oryza sativa</i> L.) under arsenite toxicity?. <i>Plant Physiology Reports</i> , 2020, 25, 395-404. | 0.7 | 21 |
| 4447 | Comparative study of using five different leaf extracts in the green synthesis of iron oxide nanoparticles for removal of arsenic from water. <i>International Journal of Phytoremediation</i> , 2020, 22, 1278-1294. | 1.7 | 47 |
| 4448 | Exploring the Mechanisms of Selectivity for Environmentally Significant Oxo-Anion Removal during Water Treatment: A Review of Common Competing Oxo-Anions and Tools for Quantifying Selective Adsorption. <i>Environmental Science & Technology</i> , 2020, 54, 9769-9790. | 4.6 | 117 |
| 4449 | Data on arsenic contamination in groundwater of Rafsanjan plain, Iran. <i>Data in Brief</i> , 2020, 31, 105772. | 0.5 | 8 |
| 4450 | Integrated effects of important environmental factors on arsenic biotransformation and photosynthetic efficiency by marine microalgae. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110797. | 2.9 | 17 |
| 4451 | Unraveling the impact of arsenic on the redox response of peanut plants inoculated with two different <i>Bradyrhizobium</i> sp. strains. <i>Chemosphere</i> , 2020, 259, 127410. | 4.2 | 9 |
| 4452 | Similar retardation of arsenic in gray Holocene and orange Pleistocene sediments: Evidence from field-based column experiments in Bangladesh. <i>Water Research</i> , 2020, 183, 116081. | 5.3 | 9 |
| 4453 | Effect of Bicarbonate, Calcium, and pH on the Reactivity of As(V) and U(VI) Mixtures. <i>Environmental Science & Technology</i> , 2020, 54, 3979-3987. | 4.6 | 11 |
| 4454 | Impact of selenite, arsenate, and silicate oxyanions on the polymorphism and precipitation rate of calcium carbonate minerals in solutions with Mg ²⁺ ions. <i>Journal of Crystal Growth</i> , 2020, 535, 125536. | 0.7 | 7 |
| 4455 | Indices of the dual roles of OM as electron donor and complexing compound involved in As and Fe mobilization in aquifer systems of the Datong Basin. <i>Environmental Pollution</i> , 2020, 262, 114305. | 3.7 | 25 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4456 | Microbes involved in arsenic mobilization and respiration: a review on isolation, identification, isolates and implications. <i>Environmental Geochemistry and Health</i> , 2020, 42, 3443-3469. | 1.8 | 35 |
| 4457 | Arsenic bioaccumulation in arsenic-contaminated soil: a review. <i>Chemical Papers</i> , 2020, 74, 2743-2757. | 1.0 | 19 |
| 4458 | Factors Controlling the Risks of Co-occurrence of the Redox-Sensitive Elements of Arsenic, Chromium, Vanadium, and Uranium in Groundwater from the Eastern United States. <i>Environmental Science & Technology</i> , 2020, 54, 4367-4375. | 4.6 | 50 |
| 4459 | Insights into the uptake, distribution, and efflux of arsenite associated with nano-TiO ₂ in determining its toxicity on <i>Daphnia magna</i> . <i>Environmental Science: Nano</i> , 2020, 7, 1194-1204. | 2.2 | 6 |
| 4460 | Analysis of chromosome abnormalities in the Asian swamp eel (<i>Monopterus albus</i>) affected by arsenic contamination near a gold mine area. <i>International Journal of Environmental Studies</i> , 2020, 77, 815-829. | 0.7 | 9 |
| 4461 | Source and Mobilization Mechanism of Iron, Manganese and Arsenic in Groundwater of Shuangliao City, Northeast China. <i>Water (Switzerland)</i> , 2020, 12, 534. | 1.2 | 68 |
| 4462 | Hausmannite as potential As(V) filter. Macroscopic and spectroscopic study of As(V) adsorption and desorption by citric acid. <i>Environmental Pollution</i> , 2020, 262, 114196. | 3.7 | 15 |
| 4463 | Arsenite removal from groundwater by aerated electrocoagulation reactor with Al ball electrodes: Human health risk assessment. <i>Chemosphere</i> , 2020, 251, 126363. | 4.2 | 35 |
| 4464 | Phytoextraction of high value elements and contaminants from mining and mineral wastes: opportunities and limitations. <i>Plant and Soil</i> , 2020, 449, 11-37. | 1.8 | 66 |
| 4465 | Assessment of arsenic and uranium co-occurrences in groundwater of central Gangetic Plain, Uttar Pradesh, India. <i>Environmental Earth Sciences</i> , 2020, 79, 1. | 1.3 | 34 |
| 4466 | Hydrochemical behaviour of long-lived natural radionuclides in Spanish groundwaters. <i>Catena</i> , 2020, 191, 104558. | 2.2 | 12 |
| 4467 | Arsenic levels in groundwater and its correlation with relevant inorganic parameters in Uruguay: A medical geology perspective. <i>Science of the Total Environment</i> , 2020, 721, 137787. | 3.9 | 20 |
| 4468 | Core-Shell Structured Magnetic Fe ₃ O ₄ @PANI Nanocomposites for Enhanced As(V) Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7554-7563. | 1.8 | 38 |
| 4469 | Arsenic Removal from Aqueous Solutions by Forward Osmosis. <i>Journal of Chemical Engineering of Japan</i> , 2020, 53, 95-99. | 0.3 | 5 |
| 4470 | Source of gold in Neoproterozoic orogenic-type deposits in the North Atlantic Craton, Greenland: Insights for a proto-source of gold in sub-seafloor hydrothermal arsenopyrite in the Mesoproterozoic. <i>Precambrian Research</i> , 2020, 343, 105717. | 1.2 | 6 |
| 4471 | Modeling the Relationship of Groundwater Salinity to Neonatal and Infant Mortality From the Bangladesh Demographic Health Survey 2000 to 2014. <i>GeoHealth</i> , 2020, 4, e2019GH000229. | 1.9 | 6 |
| 4472 | Hydrochemical characteristics and a health risk assessment of the use of river water and groundwater as drinking sources in a rural area in Jiangjin District, China. <i>Environmental Earth Sciences</i> , 2020, 79, 1. | 1.3 | 28 |
| 4473 | Metal partitioning and leaching vulnerability in soil, soakaway sediments, and road dust in the urban area of Japan. <i>Chemosphere</i> , 2020, 252, 126605. | 4.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4474 | Removal of arsenic from water using iron-doped phosphorene nanoadsorbents: A theoretical DFT study with solvent effects. <i>Journal of Molecular Liquids</i> , 2020, 307, 112958. | 2.3 | 23 |
| 4475 | Rapid Preparation of TiO ₂ and Its Photocatalytic Oxidation for Arsenic Adsorption under Visible Light. <i>Langmuir</i> , 2020, 36, 3853-3861. | 1.6 | 9 |
| 4476 | A magnetic Fe ₂ O ₃ @PANI@TiO ₂ core-shell nanocomposite for arsenic removal via a coupled visible-light-induced photocatalytic oxidation-adsorption process. <i>Nanoscale Advances</i> , 2020, 2, 2018-2024. | 2.2 | 51 |
| 4477 | Regulation of groundwater arsenic concentrations in the Ravi, Beas, and Sutlej floodplains of Punjab, India. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 384-403. | 1.6 | 14 |
| 4478 | Geochemical characteristics of ores and surface waters for environmental risk assessment in the Pinpet iron deposit, southern Shan State, Myanmar. <i>Resource Geology</i> , 2020, 70, 296-308. | 0.3 | 5 |
| 4479 | Characterization and role of derived dissolved organic matter on arsenic mobilization in alluvial aquifers of Punjab, Pakistan. <i>Chemosphere</i> , 2020, 251, 126374. | 4.2 | 30 |
| 4480 | MOFs for the treatment of arsenic, fluoride and iron contaminated drinking water: A review. <i>Chemosphere</i> , 2020, 251, 126388. | 4.2 | 116 |
| 4481 | Arsenic in a groundwater environment in Bangladesh: Occurrence and mobilization. <i>Journal of Environmental Management</i> , 2020, 262, 110318. | 3.8 | 96 |
| 4482 | Contrasting abiotic As(III) immobilization by undissolved and dissolved fractions of biochar in Ca ²⁺ -rich groundwater under anoxic conditions. <i>Water Research</i> , 2020, 183, 116106. | 5.3 | 42 |
| 4483 | Dissolved Uranium and Arsenic in Unregulated Groundwater Sources in Western Navajo Nation. <i>Journal of Contemporary Water Research and Education</i> , 2020, 169, 27-43. | 0.7 | 15 |
| 4484 | Impact of sedimentation history for As distribution in Late Pleistocene-Holocene sediments in the Hetao Basin, China. <i>Journal of Soils and Sediments</i> , 2020, 20, 4070-4082. | 1.5 | 8 |
| 4485 | Ultrathin quasi-hexagonal gold nanostructures for sensing arsenic in tap water. <i>RSC Advances</i> , 2020, 10, 20211-20221. | 1.7 | 13 |
| 4486 | Mechanisms for As(OH) ₃ and H ₃ AsO ₄ adsorption at anhydrous and hydrated surfaces of gibbsite and possibility for anionic As(III) and As(V) formation. <i>Applied Surface Science</i> , 2020, 525, 146494. | 3.1 | 11 |
| 4487 | Lateral Gene Transfer Drives Metabolic Flexibility in the Anaerobic Methane-Oxidizing Archaeal Family <i>Methanoperedenaceae</i> . <i>MBio</i> , 2020, 11, . | 1.8 | 51 |
| 4488 | Machine Learning Models of Groundwater Arsenic Spatial Distribution in Bangladesh: Influence of Holocene Sediment Depositional History. <i>Environmental Science & Technology</i> , 2020, 54, 9454-9463. | 4.6 | 51 |
| 4489 | Arsenic skin carcinogenesis: A prototypic model of chemical carcinogenesis featured with abnormal differentiation and aberrant immune responses. , 2020, , 165-170. | | 0 |
| 4490 | Machine-learning models to map pH and redox conditions in groundwater in a layered aquifer system, Northern Atlantic Coastal Plain, eastern USA. <i>Journal of Hydrology: Regional Studies</i> , 2020, 30, 100697. | 1.0 | 16 |
| 4491 | Application of Monoclinic Bismuth Vanadate in Photooxidation of Arsenic-Polluted Water. <i>Transactions of the ASABE</i> , 2020, 63, 1649-1655. | 1.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4492 | Elaboration of a core@shell bimagnetic nanoadsorbent (CoFe ₂ O ₄ @ ³ -Fe ₂ O ₃) for the removal of As(V) from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 125002. | 2.3 | 17 |
| 4493 | Experimental alteration of granitic rocks: Implications for the evolution of geothermal brines in the Upper Rhine Graben, Germany. <i>Geothermics</i> , 2020, 88, 101903. | 1.5 | 23 |
| 4494 | Wildfire-driven changes in hydrology mobilize arsenic and metals from legacy mine waste. <i>Science of the Total Environment</i> , 2020, 743, 140635. | 3.9 | 27 |
| 4495 | Role of carbon fiber electrodes and carbonate electrolytes in electrochemical phenol oxidation. <i>Journal of Hazardous Materials</i> , 2020, 400, 123083. | 6.5 | 27 |
| 4496 | Experimental studies on removal of arsenites from industrial effluents using tridodecylamine supported liquid membrane. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11932-11943. | 2.7 | 39 |
| 4497 | Voltammetric codetection of arsenic(III) and copper(II) in alkaline buffering system with gold nanostar modified electrodes. <i>Analytica Chimica Acta</i> , 2020, 1107, 63-73. | 2.6 | 26 |
| 4498 | Factors modifying the structural configuration of oxyanions and organic acids adsorbed on iron (hydr)oxides in soils. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 631-662. | 8.3 | 26 |
| 4499 | Geogenic arsenic contamination of wet-meadows associated with a geothermal system in an arid region and its relevance for drinking water. <i>Science of the Total Environment</i> , 2020, 720, 137571. | 3.9 | 17 |
| 4500 | Groundwater Arsenic and Fluoride and Associated Arsenicosis and Fluorosis in China: Occurrence, Distribution and Management. <i>Exposure and Health</i> , 2020, 12, 355-368. | 2.8 | 186 |
| 4501 | Influence of epiphytic bacteria on arsenic metabolism in <i>Hydrilla verticillata</i> . <i>Environmental Pollution</i> , 2020, 261, 114232. | 3.7 | 21 |
| 4502 | Extracellular polymeric substances alter cell surface properties, toxicity, and accumulation of arsenic in <i>Synechocystis</i> PCC6803. <i>Environmental Pollution</i> , 2020, 261, 114233. | 3.7 | 30 |
| 4503 | First-principles study on adsorption behavior of as on the kaolinite (001) and (00 $\bar{1}$) surfaces. <i>Adsorption</i> , 2020, 26, 443-452. | 1.4 | 7 |
| 4504 | Major and trace (including arsenic) groundwater chemistry in central and southern Myanmar. <i>Applied Geochemistry</i> , 2020, 115, 104535. | 1.4 | 25 |
| 4505 | As(III) and As(V) removal mechanisms by Fe-modified biochar characterized using synchrotron-based X-ray absorption spectroscopy and confocal micro-X-ray fluorescence imaging. <i>Bioresource Technology</i> , 2020, 304, 122978. | 4.8 | 48 |
| 4506 | Effect of mixed Mo/W polyoxometalate modification on photoelectrocatalytic activity of CdS nanocrystals for arsenic(III) oxidation. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 141, 109395. | 1.9 | 14 |
| 4507 | The Mode of Incorporation of As(-I) and Se(-I) in Natural Pyrite Revisited. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 379-390. | 1.2 | 18 |
| 4508 | Cobalt–nickel–copper arsenide, sulfarsenide and sulfide mineralization in the Bou Azzer window, Anti-Atlas, Morocco: one century of multi-disciplinary and geological investigations, mineral exploration and mining. <i>Geological Society Special Publication</i> , 2021, 502, 45-66. | 0.8 | 8 |
| 4509 | Redox Heterogeneities Promote Thioarsenate Formation and Release into Groundwater from Low Arsenic Sediments. <i>Environmental Science & Technology</i> , 2020, 54, 3237-3244. | 4.6 | 36 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4510 | Influence of manganese abundances on iron and arsenic solubility in rice paddy soils. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 50-69. | 1.6 | 44 |
| 4511 | The synergistic effect of ultrasound power and magnetite incorporation on the sorption/desorption behavior of Cr(VI) and As(V) oxoanions in an aqueous system. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 76-88. | 5.0 | 56 |
| 4512 | Leaching Kinetics of Arsenic Sulfide-Containing Materials by Copper Sulfate Solution. <i>Metals</i> , 2020, 10, 7. | 1.0 | 8 |
| 4513 | Simultaneous preconcentration and determination of trace quantities of inorganic arsenic species in water using Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ magnetic nanoparticles. <i>Chemical Papers</i> , 2020, 74, 2529-2535. | 1.0 | 7 |
| 4514 | Arsenic adsorption by innovative iron/calcium in-situ-impregnated mesoporous activated carbons from low-temperature water and effects of the presence of humic acids. <i>Chemosphere</i> , 2020, 250, 126275. | 4.2 | 42 |
| 4515 | Direct Visualization of Arsenic Binding on Green Rust Sulfate. <i>Environmental Science & Technology</i> , 2020, 54, 3297-3305. | 4.6 | 26 |
| 4516 | Scenario, perspectives and mechanism of arsenic and fluoride Co-occurrence in the groundwater: A review. <i>Chemosphere</i> , 2020, 249, 126126. | 4.2 | 127 |
| 4517 | Synthesis of novel adsorbent by intercalation of biopolymer in LDH for the removal of arsenic from synthetic and natural water. <i>Journal of Environmental Sciences</i> , 2020, 91, 246-261. | 3.2 | 52 |
| 4518 | Simple, Rapid and Sensitive Detection of Phenylarsine Oxide in Drinking Water Using Quartz Crystal Microbalance: A Novel Surface Functionalization Technique. <i>ChemistrySelect</i> , 2020, 5, 2057-2062. | 0.7 | 7 |
| 4520 | Removal of As(V) using low cost adsorbents: aerocrete and vermiculite modified with iron oxy-hydroxide. <i>Adsorption</i> , 2020, 26, 387-396. | 1.4 | 6 |
| 4521 | New Approaches to Identifying and Reducing the Global Burden of Disease From Pollution. <i>GeoHealth</i> , 2020, 4, e2018GH000167. | 1.9 | 24 |
| 4522 | Rational design, synthesis, adsorption principles and applications of metal oxide adsorbents: a review. <i>Nanoscale</i> , 2020, 12, 4790-4815. | 2.8 | 269 |
| 4523 | Mechanisms of groundwater arsenic variations induced by extraction in the western Hetao Basin, Inner Mongolia, China. <i>Journal of Hydrology</i> , 2020, 583, 124599. | 2.3 | 33 |
| 4524 | Hydrogeochemical controls on the mobility of arsenic, fluoride and other geogenic co-contaminants in the shallow aquifers of northeastern La Pampa Province in Argentina. <i>Science of the Total Environment</i> , 2020, 715, 136671. | 3.9 | 80 |
| 4525 | As(III) removal by Fe(III)-amidoximated PAN in the presence of H ₂ O ₂ through simultaneous oxidation and adsorption. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 565-573. | 1.0 | 1 |
| 4526 | Arsenic release from pyrite ash waste over an active hydrogeological system and its effects on water quality. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10672-10684. | 2.7 | 21 |
| 4527 | Assessment of Ground Water Quality of Central and Southeast Districts of NCT of Delhi. <i>Journal of the Geological Society of India</i> , 2020, 95, 95-103. | 0.5 | 20 |
| 4528 | Laser synthesis of magnetite-partially reduced graphene oxide nanocomposites for arsenate removal from water. <i>Journal of Materials Science</i> , 2020, 55, 5351-5363. | 1.7 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4529 | Geochemical evolution and Boron sources of the groundwater affected by urban and volcanic activities of Puebla Valley, south central Mexico. <i>Journal of Hydrology</i> , 2020, 584, 124613. | 2.3 | 18 |
| 4530 | Arsenic distribution and speciation in multiphase media of a lake basin, Tibet: The influences of environmental factors on arsenic biogeochemical behavior in the cold arid plateau lake. <i>Science of the Total Environment</i> , 2020, 714, 136772. | 3.9 | 18 |
| 4531 | Interspecific biotransformation and detoxification of arsenic compounds in marine rotifer and copepod. <i>Journal of Hazardous Materials</i> , 2020, 391, 122196. | 6.5 | 27 |
| 4532 | Synthesis and application of a surface ionic imprinting polymer on silica-coated Mn-doped ZnS quantum dots as a chemosensor for the selective quantification of inorganic arsenic in fish. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1663-1673. | 1.9 | 17 |
| 4533 | Linking microbial community composition to hydrogeochemistry in the western Hetao Basin: Potential importance of ammonium as an electron donor during arsenic mobilization. <i>Environment International</i> , 2020, 136, 105489. | 4.8 | 53 |
| 4534 | Millimeter-scale topsoil layer blocks arsenic migration in flooded paddy soil. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 274, 211-227. | 1.6 | 15 |
| 4535 | Redox-Assisted Arsenic(III) Adsorption for Removal from Aqueous Solution by Cerium(IV)-Incorporated Zirconium Oxide Nanocomposites. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 885-895. | 1.0 | 12 |
| 4536 | The in situ technique of aqueous binding concentration and diffusion for measurements of arsenate concentrations in lake waters. <i>Analytica Chimica Acta</i> , 2020, 1106, 139-147. | 2.6 | 2 |
| 4537 | Mini review of trace metal contamination status in East China Sea sediment. <i>Marine Pollution Bulletin</i> , 2020, 152, 110874. | 2.3 | 7 |
| 4538 | Advances in Air Pollution Profiling and Control. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020, , . | 0.3 | 1 |
| 4539 | Highly efficient removal of As(V) using metal-organic framework BUC-17. <i>SN Applied Sciences</i> , 2020, 2, 1. | 1.5 | 13 |
| 4540 | Hydrogeochemical characteristics of arsenic rich groundwater in Greater Giyani Municipality, Limpopo Province, South Africa. <i>Groundwater for Sustainable Development</i> , 2020, 10, 100336. | 2.3 | 13 |
| 4541 | Enhanced As(III) and As(V) Adsorption From Aqueous Solution by a Clay Based Hybrid Sorbent. <i>Frontiers in Chemistry</i> , 2019, 7, 913. | 1.8 | 27 |
| 4542 | Total and inorganic arsenic biosorption by <i>Sarcodia suiae</i> (Rhodophyta), as affected by controlled environmental conditions. <i>Chemosphere</i> , 2020, 248, 126084. | 4.2 | 15 |
| 4543 | Quantifying Geochemical Processes of Arsenic Mobility in Groundwater From an Inland Basin Using a Reactive Transport Model. <i>Water Resources Research</i> , 2020, 56, e2019WR025492. | 1.7 | 33 |
| 4544 | Fieldwork-based determination of design priorities for point-of-use drinking water quality sensors for use in resource-limited environments. <i>PLoS ONE</i> , 2020, 15, e0228140. | 1.1 | 2 |
| 4545 | Spatial and temporal evolution of groundwater arsenic contamination in the Red River delta, Vietnam: Interplay of mobilisation and retardation processes. <i>Science of the Total Environment</i> , 2020, 717, 137143. | 3.9 | 61 |
| 4546 | Remediation of carcinogenic arsenic by pyroaurite-based green adsorbent: isotherm, kinetic, mechanistic study, and applicability in real-life groundwater. <i>Environmental Science and Pollution Research</i> , 2020, 27, 24982-24998. | 2.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4547 | The role of loess weathering in the groundwater chemistry of the Chaco-Pampean Plain (Argentina). <i>Journal of Hydrology</i> , 2020, 587, 124984. | 2.3 | 7 |
| 4548 | Application of stable isotopes to the bioaccumulation and trophic transfer of arsenic in aquatic organisms around a closed realgar mine. <i>Science of the Total Environment</i> , 2020, 726, 138550. | 3.9 | 16 |
| 4549 | Effect of Indigenous Microbial Consortium on Bioleaching of Arsenic from Contaminated Soil by <i>Shewanella putrefaciens</i> . <i>Sustainability</i> , 2020, 12, 3286. | 1.6 | 7 |
| 4550 | Evaluation of single-extraction methods to estimate the oral bioaccessibility of metal(loid)s in soils. <i>Science of the Total Environment</i> , 2020, 727, 138553. | 3.9 | 12 |
| 4551 | Geographical variations in arsenic contents in rice plants from Latin America and the Iberian Peninsula in relation to soil conditions. <i>Environmental Geochemistry and Health</i> , 2020, 42, 3351-3372. | 1.8 | 13 |
| 4552 | Fe ₃ O ₄ -Functionalized Boron Nitride Nanosheets as Novel Adsorbents for Removal of Arsenic(III) from Contaminated Water. <i>ACS Omega</i> , 2020, 5, 10301-10314. | 1.6 | 27 |
| 4553 | Identifying areas of degrading and improving groundwater-quality conditions in the State of California, USA, 1974â€”2014. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 250. | 1.3 | 11 |
| 4554 | Spatial variability of arsenic speciation in the Gironde Estuary: Emphasis on dynamic (potentially) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 0.9 | 8 |
| 4555 | Arsenic in marine sediments: how robust a redox proxy?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 550, 109745. | 1.0 | 25 |
| 4556 | Stable immobilized amine sorbents for heavy metal and REE removal from industrial wastewaters. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1286-1299. | 1.2 | 10 |
| 4557 | Biotic and Abiotic Factors Influencing Arsenic Biogeochemistry and Toxicity in Fluvial Ecosystems: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2331. | 1.2 | 37 |
| 4558 | Arsenicâ€”nucleotides interactions: an experimental and computational investigation. <i>Dalton Transactions</i> , 2020, 49, 6302-6311. | 1.6 | 10 |
| 4559 | Selection Is a Significant Driver of Gene Gain and Loss in the Pangenome of the Bacterial Genus <i>Sulfurovum</i> in Geographically Distinct Deep-Sea Hydrothermal Vents. <i>MSystems</i> , 2020, 5, . | 1.7 | 35 |
| 4560 | Difluoroboron-Curcumin Doped Starch Film and Digital Image Colorimetry for Semi-Quantitative Analysis of Arsenic. <i>Analytical Sciences</i> , 2020, 36, 577-581. | 0.8 | 5 |
| 4561 | Hollow fiber liquid phase microextraction combined with total reflection X-ray fluorescence spectrometry for the determination of trace level inorganic arsenic species in waters. <i>Talanta</i> , 2020, 217, 121005. | 2.9 | 12 |
| 4562 | Mobility and redox transformation of arsenic during treatment of artificially recharged groundwater for drinking water production. <i>Water Research</i> , 2020, 178, 115826. | 5.3 | 28 |
| 4563 | Occurrence of arsenic in ultramafic rocksâ€™ alterites from nickel mines in New Caledonia: implications for the contamination of surface waters. <i>Environmental Chemistry Letters</i> , 2020, 18, 1397-1402. | 8.3 | 3 |
| 4564 | Superior removal of inorganic and organic arsenic pollutants from water with MIL-88A(Fe) decorated on cotton fibers. <i>Chemosphere</i> , 2020, 254, 126829. | 4.2 | 93 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4565 | Arsenic (V) removal from water using hydrotalcites as adsorbents: A critical review. <i>Applied Clay Science</i> , 2020, 191, 105615. | 2.6 | 44 |
| 4566 | Role of Extracellular Polymeric Substances in Microbial Reduction of Arsenate to Arsenite by <i>Escherichia coli</i> and <i>Bacillus subtilis</i> . <i>Environmental Science & Technology</i> , 2020, 54, 6185-6193. | 4.6 | 48 |
| 4567 | Yeast strain <i>Debaryomyces hansenii</i> for amelioration of arsenic stress in rice. <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110480. | 2.9 | 16 |
| 4568 | Do arsenic levels in rice pose a health risk to the UK population?. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110601. | 2.9 | 42 |
| 4569 | Efficient arsenic(III) removal from aqueous solution by a novel nanostructured iron-copper-manganese trimetal oxide. <i>Journal of Molecular Liquids</i> , 2020, 309, 112993. | 2.3 | 23 |
| 4570 | Distribution and Geochemical Controls of Arsenic and Uranium in Groundwater-Derived Drinking Water in Bihar, India. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2500. | 1.2 | 36 |
| 4571 | Positive Association of Cardiovascular Disease (CVD) with Chronic Exposure to Drinking Water Arsenic (As) at Concentrations below the WHO Provisional Guideline Value: A Systematic Review and Meta-analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2536. | 1.2 | 48 |
| 4572 | Model-based interpretation of hydrogeochemistry and arsenic mobility in a low-enthalpy hydrothermal system. <i>Journal of Geochemical Exploration</i> , 2020, 214, 106534. | 1.5 | 4 |
| 4573 | Partitioning and mixing behaviour of trace elements at the Isonzo/Sonza River mouth (Gulf of Trieste), Tj ETQq0 0 0 ggBT /Overlock 10 Tf | 0.9 | 18 |
| 4574 | Red Mud-Reduced Graphene Oxide Nanocomposites for the Electrochemical Sensing of Arsenic. <i>ACS Applied Nano Materials</i> , 2020, 3, 4084-4090. | 2.4 | 21 |
| 4575 | Arsenate Adsorption on Different Fractions of Iron Oxides in the Paddy Soil from the Karst Region of China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 126-133. | 1.3 | 7 |
| 4576 | Mechanisms of arsenic contamination associated with hydrochemical characteristics in coastal alluvial aquifers using multivariate statistical technique and hydrogeochemical modeling: a case study in Rayong province, eastern Thailand. <i>Environmental Geochemistry and Health</i> , 2021, 43, 537-566. | 1.8 | 32 |
| 4577 | Removal of arsenate from contaminated waters by novel zirconium and zirconium-iron modified biochar. <i>Journal of Hazardous Materials</i> , 2021, 409, 124488. | 6.5 | 84 |
| 4578 | Sediment arsenic hotspots in an abandoned tailings storage facility, Gold Ridge Mine, Solomon Islands. <i>Chemosphere</i> , 2021, 269, 128756. | 4.2 | 5 |
| 4579 | A step forward on NETmix reactor for heterogeneous photocatalysis: Kinetic modeling of As(III) oxidation. <i>Chemical Engineering Journal</i> , 2021, 405, 126612. | 6.6 | 10 |
| 4580 | Effects of Bioirrigation and Salinity on Arsenic Distributions in Ferruginous Concretions from Salt Marsh Sediment Cores (Southern Brazil). <i>Aquatic Geochemistry</i> , 2021, 27, 79-103. | 1.5 | 1 |
| 4581 | Health risk assessment and source identification of groundwater arsenic contamination using agglomerative hierarchical cluster analysis in selected sites from upper Eastern parts of Punjab province, Pakistan. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 999-1018. | 1.7 | 22 |
| 4582 | A Spatial Autologistic Model to Predict the Presence of Arsenic in Private Wells Across Gaston County, North Carolina Using Geology, Well Depth, and pH. <i>Exposure and Health</i> , 2021, 13, 195-206. | 2.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4583 | Ferrous iron enhances arsenic sorption and oxidation by non-stoichiometric magnetite and maghemite. <i>Journal of Hazardous Materials</i> , 2021, 402, 123425. | 6.5 | 26 |
| 4584 | Arsenic in Latin America: New findings on source, mobilization and mobility in human environments in 20 countries based on decadal research 2010-2020. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1727-1865. | 6.6 | 70 |
| 4585 | Zebrafish: An emerging model system to study liver diseases and related drug discovery. <i>Journal of Applied Toxicology</i> , 2021, 41, 33-51. | 1.4 | 50 |
| 4586 | Selective removal of arsenic in water: A critical review. <i>Environmental Pollution</i> , 2021, 268, 115668. | 3.7 | 117 |
| 4587 | Arsenic geochemistry and mineralogy as a function of particle-size in naturally arsenic-enriched soils. <i>Journal of Hazardous Materials</i> , 2021, 403, 123931. | 6.5 | 45 |
| 4588 | Rapid adsorption of As(V) from aqueous solution by ZnO embedded in mesoporous aluminosilicate nanocomposite adsorbent: Parameter optimization, kinetic, and isotherms studies. <i>Surfaces and Interfaces</i> , 2021, 23, 100636. | 1.5 | 12 |
| 4589 | Arsenic contamination of groundwater: A global synopsis with focus on the Indian Peninsula. <i>Geoscience Frontiers</i> , 2021, 12, 101079. | 4.3 | 459 |
| 4590 | Salinity enrichment, sources and its contribution to elevated groundwater arsenic and fluoride levels in Rachna Doab, Punjab Pakistan: Stable isotope ($\delta^2\text{H}$ and $\delta^{18}\text{O}$) approach as an evidence. <i>Environmental Pollution</i> , 2021, 268, 115710. | 3.7 | 36 |
| 4591 | Removal of arsenic(V) by nanofiltration: Impact of water salinity, pH and organic matter. <i>Journal of Membrane Science</i> , 2021, 618, 118631. | 4.1 | 47 |
| 4592 | Arsenic in waters, soils, sediments, and biota from Mexico: An environmental review. <i>Science of the Total Environment</i> , 2021, 752, 142062. | 3.9 | 61 |
| 4593 | Arsenic speciation and biotransformation pathways in the aquatic ecosystem: The significance of algae. <i>Journal of Hazardous Materials</i> , 2021, 403, 124027. | 6.5 | 111 |
| 4594 | Nano-enabled sensors for detection of arsenic in water. <i>Water Research</i> , 2021, 188, 116538. | 5.3 | 46 |
| 4595 | Evaluation of arsenic sorption performance using dendritic anatase and polycrystalline rutile nano-TiO ₂ for environmental applications. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2113-2124. | 1.8 | 1 |
| 4596 | Active MnO ₂ /biochar composite for efficient As(III) removal: Insight into the mechanisms of redox transformation and adsorption. <i>Water Research</i> , 2021, 188, 116495. | 5.3 | 128 |
| 4597 | Um Zariq formation, southeast Sinai, Egypt: A new record of the Sturtian Snowball Earth event in the Arabian Nubian Shield. <i>Journal of African Earth Sciences</i> , 2021, 173, 104048. | 0.9 | 3 |
| 4598 | Newly designed gel-integrated nanostructured gold-based interconnected microelectrode arrays for continuous in situ arsenite monitoring in aquatic systems. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 128996. | 4.0 | 18 |
| 4599 | Iron(III)-induced photooxidation of arsenite in the presence of carboxylic acids and phenols as model compounds of natural organic matter. <i>Chemosphere</i> , 2021, 263, 128142. | 4.2 | 13 |
| 4600 | Geogenic arsenic and uranium in Germany: Large-scale distribution control in sediments and groundwater. <i>Journal of Hazardous Materials</i> , 2021, 405, 124186. | 6.5 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4601 | Synthesis of novel Mg-Al-Fe-type hydrotalcite with various Mg/Al/Fe ratios and its selective adsorption of As(V) from water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104557. | 3.3 | 5 |
| 4602 | Recent development of chromogenic and fluorogenic chemosensors for the detection of arsenic species: Environmental and biological applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119047. | 2.0 | 32 |
| 4603 | Transboundary groundwater of the Ganges-Brahmaputra-Meghna River delta system. , 2021, , 129-141. | | 2 |
| 4604 | Development and evaluation of a DGT sampler using functionalised cross-linked polyethyleimine for the monitoring of arsenic and selenium in mine impacted wetlands. <i>Chemosphere</i> , 2021, 266, 128975. | 4.2 | 2 |
| 4605 | GIS interpolation is key in assessing spatial and temporal bioremediation of groundwater arsenic contamination. <i>Journal of Environmental Management</i> , 2021, 280, 111683. | 3.8 | 18 |
| 4606 | Enhanced Arsenite Removal from Silicate-containing Water by Using Redox Polymer-based Fe(III) Oxides Nanocomposite. <i>Water Research</i> , 2021, 189, 116673. | 5.3 | 17 |
| 4607 | Stabilization methods for the treatment of weathered arsenopyrite mine wastes: Arsenic immobilization under selective leaching conditions. <i>Journal of Cleaner Production</i> , 2021, 283, 125265. | 4.6 | 21 |
| 4608 | Pre-closure assessment of elevated arsenic and other potential environmental constraints to developing aquaculture and fisheries: The case of the Mae Moh mine and power plant, Lampang, Thailand. <i>Chemosphere</i> , 2021, 269, 128682. | 4.2 | 2 |
| 4609 | Arsenic enrichment and its natural background in groundwater at the proximity of active floodplains of Ganga River, northern India. <i>Chemosphere</i> , 2021, 265, 129096. | 4.2 | 40 |
| 4610 | Influence of agricultural amendments on arsenic biogeochemistry and phytotoxicity in a soil polluted by the destruction of arsenic-containing shells. <i>Journal of Hazardous Materials</i> , 2021, 409, 124580. | 6.5 | 4 |
| 4611 | Microorganisms for ammonia/ammonium-oxidization and anammox in high arsenic Holocene-Pleistocene aquifers. <i>International Biodeterioration and Biodegradation</i> , 2021, 157, 105136. | 1.9 | 6 |
| 4612 | Arsenic release and transport during oxidative dissolution of spatially-distributed sulfide minerals. <i>Journal of Hazardous Materials</i> , 2021, 409, 124651. | 6.5 | 35 |
| 4613 | Water Resources of Chile. <i>World Water Resources</i> , 2021, , . | 0.4 | 8 |
| 4614 | Simultaneous arsenite and nitrate removal from simulated groundwater based on pyrrhotite autotrophic denitrification. <i>Water Research</i> , 2021, 189, 116662. | 5.3 | 34 |
| 4615 | Insights of arsenic (III/IV) adsorption and electrosorption mechanism onto multi synergistic (redox-photoelectrochemical-ROS) aluminum substituted copper ferrite impregnated rGO. <i>Chemosphere</i> , 2021, 267, 129246. | 4.2 | 19 |
| 4616 | Comprehensive insights into arsenic- and iron-redox genes, their taxonomy and associated environmental drivers deciphered by a meta-analysis. <i>Environment International</i> , 2021, 146, 106234. | 4.8 | 10 |
| 4617 | Sargassum contamination and consequences for downstream uses: a review. <i>Journal of Applied Phycology</i> , 2021, 33, 567-602. | 1.5 | 38 |
| 4618 | Efficient removal of arsenic by electrodeposited CuFeOx foam. <i>Separation and Purification Technology</i> , 2021, 255, 117673. | 3.9 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4619 | Reduction of iron (hydr)oxide-bound arsenate: Evidence from high depth resolution sampling of a reducing aquifer in Yinchuan Plain, China. <i>Journal of Hazardous Materials</i> , 2021, 406, 124615. | 6.5 | 13 |
| 4620 | Associations between inorganic arsenic in rice and groundwater arsenic in the Mekong Delta. <i>Chemosphere</i> , 2021, 265, 129092. | 4.2 | 15 |
| 4621 | Heated column experiments: A proxy for investigating the effects of in situ thermal recovery operations on groundwater geochemistry. <i>Journal of Contaminant Hydrology</i> , 2021, 237, 103755. | 1.6 | 4 |
| 4622 | The influence of long-term ageing on arsenic ecotoxicity in soil. <i>Journal of Hazardous Materials</i> , 2021, 407, 124819. | 6.5 | 15 |
| 4623 | The removal of arsenic and metals from highly acidic water in horizontal subsurface flow constructed wetlands with alternative supporting media. <i>Journal of Hazardous Materials</i> , 2021, 408, 124832. | 6.5 | 18 |
| 4624 | Dual wave \hat{I}^2 -correction spectrophotometry for trace determination and chemical speciation of As(III)/As(V) in water. <i>Microchemical Journal</i> , 2021, 162, 105856. | 2.3 | 3 |
| 4625 | Potential of high pH and reduced sulfur for arsenic mobilization – Insights from a Finnish peatland treating mining waste water. <i>Science of the Total Environment</i> , 2021, 758, 143689. | 3.9 | 12 |
| 4626 | Hydrogeochemical contrast between two study areas of Bengal delta, India: A comparative insight to understand arsenic mobilization process in shallow aquifers. <i>Chemie Der Erde</i> , 2021, 81, 125680. | 0.8 | 5 |
| 4627 | Dichromate and arsenate anion removal by PEI microgel, cryogel, and bulkgel. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104799. | 3.3 | 12 |
| 4628 | Transfer of arsenic, manganese and iron from water to soil and rice plants: An evaluation of changes in dietary intake caused by washing and cooking rice with groundwater from the Bengal Delta, India. <i>Journal of Food Composition and Analysis</i> , 2021, 96, 103748. | 1.9 | 18 |
| 4629 | Arsenic releasing mechanisms during clayey sediments compaction: An experiment study. <i>Journal of Hydrology</i> , 2021, 597, 125743. | 2.3 | 8 |
| 4630 | Spatial and seasonal variations of dissolved arsenic in the Yarlung Tsangpo River, southern Tibetan Plateau. <i>Science of the Total Environment</i> , 2021, 760, 143416. | 3.9 | 24 |
| 4631 | Geochemical mechanisms of natural arsenic mobility in the hydrogeologic system of Lower Katari Basin, Bolivian Altiplano. <i>Journal of Hydrology</i> , 2021, 594, 125778. | 2.3 | 16 |
| 4632 | Arsenic sequestration in gold mine wastes under changing pH and experimental rewetting cycles. <i>Applied Geochemistry</i> , 2021, 124, 104789. | 1.4 | 5 |
| 4633 | Relationship of arsenic and chromium availability with carbon functional groups, aluminum and iron in Little Washita River Experimental Watershed Reservoirs, Oklahoma, USA. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111468. | 2.9 | 3 |
| 4634 | Stability of inorganic and methylated arsenic species in laboratory standards, surface water and groundwater under three different preservation regimes. <i>Applied Geochemistry</i> , 2021, 125, 104814. | 1.4 | 5 |
| 4635 | Comprehensive assessment of heavy metal pollution and ecological risk in lake sediment by combining total concentration and chemical partitioning. <i>Environmental Pollution</i> , 2021, 269, 116212. | 3.7 | 63 |
| 4636 | Mechanical activation of zero-valent iron (ZVI) in the presence of CaCO ₃ : Improved reactivity of ZVI for enhancing As(III) removal from water. <i>Journal of Cleaner Production</i> , 2021, 286, 124926. | 4.6 | 31 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4637 | Scale-up one-pot synthesis of waste collagen and apple pomace pectin incorporated pentapolymer biocomposites: Roles of waste collagen for elevations of properties and unary/ ternary removals of Ti(IV), As(V), and V(V). <i>Journal of Hazardous Materials</i> , 2021, 409, 124873. | 6.5 | 19 |
| 4638 | A electrochemical biosensor for As(III) detection based on the catalytic activity of <i>Alcaligenes faecalis</i> immobilized on a gold nanoparticle-“modified screen”-printed carbon electrode. <i>Talanta</i> , 2021, 223, 121702. | 2.9 | 25 |
| 4639 | Arsenic behavior in groundwater in Hanoi (Vietnam) influenced by a complex biogeochemical network of iron, methane, and sulfur cycling. <i>Journal of Hazardous Materials</i> , 2021, 407, 124398. | 6.5 | 31 |
| 4640 | Ultrasound assisted dispersive solid phase microextraction of inorganic arsenic from food and water samples using CdS nanoflowers combined with ICP-OES determination. <i>Food Chemistry</i> , 2021, 338, 128028. | 4.2 | 30 |
| 4641 | Modelling heavy metals contamination in groundwater of Southern Punjab, Pakistan. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2221-2236. | 1.8 | 4 |
| 4642 | Adsorption at Natural Minerals/Water Interfaces. <i>Engineering Materials</i> , 2021, , . | 0.3 | 6 |
| 4643 | Arsenic in drinking water sources in the Middle Gangetic Plains in Bihar: An assessment of the depth of wells to ensure safe water supply. <i>Groundwater for Sustainable Development</i> , 2021, 12, 100504. | 2.3 | 12 |
| 4644 | Hydrogeochemical contrasts in the shallow aquifer systems of the Lower Katari Basin and Southern Poop ³ Basin, Bolivian Altiplano. <i>Journal of South American Earth Sciences</i> , 2021, 105, 102914. | 0.6 | 9 |
| 4645 | New application of lanthanum-modified bentonite (Phoslock [®]) for immobilization of arsenic in sediments. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2052-2062. | 2.7 | 8 |
| 4646 | Arsenite removal from aqueous solution by aerated iron electrocoagulation process. <i>Separation Science and Technology</i> , 2021, 56, 184-193. | 1.3 | 24 |
| 4647 | Current Scenario of Groundwater Arsenic Contamination in West Bengal and Its Mitigation Approach. , 2021, , 193-216. | | 1 |
| 4648 | Synthesis and characterization of magnetic adsorbent based on Fe ₂ O ₃ -fly ash from Pulang Pisau [™] s power plant of Central Kalimantan. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 980, 012014. | 0.3 | 0 |
| 4649 | Health Effects of Exposure to Specific Geologic Materials: Summary of Clinical Findings, Treatment, and Prevention. , 2021, , 525-563. | | 1 |
| 4650 | Delivering Arsenic-free Drinking Water-Made Practically Possible: Continuous Scale Electrochemical Arsenic Remediation Process Furnished, based on Experimental Studies and ANN Simulation. <i>Environment, Development and Sustainability</i> , 2021, 23, 13087-13112. | 2.7 | 2 |
| 4651 | Earth Science in Environmental Management. , 2021, , 23-41. | | 1 |
| 4652 | Chemical behaviours of Arsenium, Chromium, Mercury, Lead, and Strontium in aqueous system. <i>E3S Web of Conferences</i> , 2021, 290, 01022. | 0.2 | 3 |
| 4653 | Highly selective and sensitive detection of arsenite ions (<sc>iii</sc>) using a novel tetraphenylimidazole-based probe. <i>Analytical Methods</i> , 2021, 13, 5011-5016. | 1.3 | 4 |
| 4654 | Application of biosurfactants and nanomaterials in the treatment of polluted water. , 2021, , 203-234. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4655 | Hydrogeochemical Characterization of Groundwater and Its Interaction with Other Components of the Environment in Mexico. Springer Earth System Sciences, 2021, , 115-140. | 0.1 | 0 |
| 4656 | Contamination of Arsenic in Groundwater of Bara District, Nepal. Lecture Notes in Civil Engineering, 2021, , 17-25. | 0.3 | 0 |
| 4657 | Environmental system dynamics. , 2021, , 135-193. | | 1 |
| 4658 | Arsenic Contamination of Groundwater and Its Mitigation Strategies. , 2021, , 107-119. | | 0 |
| 4659 | Iron-based materials for removal of arsenic from water. , 2021, , 209-245. | | 4 |
| 4660 | Nanoclays as Eco-friendly Adsorbents of Arsenic for Water Purification. , 2021, , 455-470. | | 0 |
| 4661 | Health Benefits and Risks of Minerals: Bioavailability, Bio-Essentiality, Toxicity, and Pathologies. , 2021, , 81-179. | | 2 |
| 4662 | The impact of gold mining exploitation on the physicochemical quality of water: case of Batouri (Cameroon). International Journal of Energy and Water Resources, 2021, 5, 159-173. | 1.3 | 8 |
| 4663 | Techniques for Assessing Metal Mobility in the Environment: A Geochemical Perspective. , 2021, , 139-167. | | 1 |
| 4664 | REDUCTION OF LEACHING VALUE BY REMOVING A FINE-GRAINED FRACTION FROM NATURALLY OCCURRING ARSENIC-CONTAMINATED SOIL. Journal of Japan Society of Civil Engineers Ser G (Environmental) Tj ETQq1 1 0.784314 rgBT (Overlock | | 1 |
| 4665 | Conductive polymer-based nanocomposites for the removal of hexavalent chromium and trivalent arsenic from wastewater solution. , 2021, , 243-266. | | 0 |
| 4666 | Geogenic-contaminated groundwater in China. , 2021, , 229-242. | | 2 |
| 4667 | Global geogenic groundwater pollution. , 2021, , 187-213. | | 5 |
| 4668 | Hydrogeochemical assessment of mine water discharges from mining activity. Case of the Haut Beht mine (central Morocco). AIMS Environmental Science, 2021, 8, 60-85. | 0.7 | 0 |
| 4669 | Water, arsenic, and climate change. , 2021, , 167-190. | | 4 |
| 4670 | Iron oxide xerogels for improved water quality monitoring of arsenic (<sc>iii</sc>) in resource-limited environments <i>via</i> solid-phase extraction, preservation, storage, transportation, and analysis of trace contaminants (SEPSTAT). Analytical Methods, 2021, 13, 2165-2174. | 1.3 | 2 |
| 4671 | Mobilization of Arsenic and Other Naturally Occurring Contaminants during Managed Aquifer Recharge: A Critical Review. Environmental Science & Technology, 2021, 55, 2208-2223. | 4.6 | 46 |
| 4672 | Current Trends of Arsenic Adsorption in Continuous Mode: Literature Review and Future Perspectives. Sustainability, 2021, 13, 1186. | 1.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4673 | Geospatial assessment of groundwater arsenic contamination in the Holocene aquifers of Bengal Delta from western parts of the Bhagirathi River in West Bengal, India. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1. | 0.6 | 3 |
| 4674 | Appraisal of Groundwater Chemistry and Holocene Aquifer for Arsenic Mobilization in Groundwater From Bengal Basin: A Study for Safe Water Supply Option. , 2021, , 415-432. | | 0 |
| 4675 | Metal Oxides for Removal of Arsenic Contaminants from Water. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 147-194. | 0.3 | 1 |
| 4676 | Effect of high salinity and temperature on water-volcanic rock interaction. <i>Environmental Earth Sciences</i> , 2021, 80, 1. | 1.3 | 2 |
| 4677 | Groundwater Status and Challenges in Bangladesh. <i>Sustainable Agriculture Reviews</i> , 2021, , 79-146. | 0.6 | 7 |
| 4678 | Contamination of water resources with potentially toxic elements and human health risk assessment: Part 2. , 2021, , 143-156. | | 0 |
| 4679 | Arsenic species delay structural ordering during green rust sulfate crystallization from ferrihydrite. <i>Environmental Science: Nano</i> , 2021, 8, 2950-2963. | 2.2 | 6 |
| 4680 | Arsenic in groundwater in the United States: research highlights since 2000, current concerns and next steps. , 2021, , 275-299. | | 5 |
| 4681 | AIE-Based Fluorescent Nanosensors for Detection of Heavy Metal Ions. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 53-96. | 0.3 | 0 |
| 4682 | Groundwater Pollution Under the Intensive Agriculture Production. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2021, , 239-262. | 0.4 | 0 |
| 4683 | Bioaccessibility of potentially toxic elements in mine residue particles. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 367-380. | 1.7 | 7 |
| 4684 | Identification and Characterization of Arsenic Transforming Bacillus Species from Abandoned Mining Regions of Madhya Pradesh and Jharkhand. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 175-185. | 0.3 | 3 |
| 4685 | Kinetic and Isotherm Study of As(III) Removal from Aqueous Solution by PET Track-Etched Membranes Loaded with Copper Microtubes. <i>Membranes</i> , 2021, 11, 116. | 1.4 | 14 |
| 4686 | Evaluation of low-cost geo-adsorbents for As(V) removal. <i>Environmental Technology and Innovation</i> , 2021, 21, 101341. | 3.0 | 4 |
| 4687 | Genome-Driven Discovery of Enzymes with Industrial Implications from the Genus <i>Aneurinibacillus</i> . <i>Microorganisms</i> , 2021, 9, 499. | 1.6 | 9 |
| 4688 | Effect of Operational Conditions on Arsenic Removal from Aqueous Solution Using Electrodialysis. Solvent Extraction and Ion Exchange, 2021, 39, 655-667. | 0.8 | 5 |
| 4689 | Environmental Applications of Nanotechnology: Nano-enabled Remediation Processes in Water, Soil and Air Treatment. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1. | 1.1 | 14 |
| 4691 | Regional changes in Cladocera (Branchiopoda, Crustacea) assemblages in subarctic (Yellowknife,) Tj ETQq1 1 0.784314 rgBT /Overload 848, 1367-1389. | 1.0 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4692 | Geochemical variability in the soils of Bangladesh as affected by sources of irrigation water and inundation land types. <i>SN Applied Sciences</i> , 2021, 3, 1. | 1.5 | 3 |
| 4693 | Arsenic in agricultural soils and implications for sustainable agriculture. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 655, 012081. | 0.2 | 7 |
| 4694 | Distribution, Mobility and Fate of Trace Elements in an Estuarine System Under Anthropogenic Pressure: the Case of the Karstic Timavo River (Northern Adriatic Sea, Italy). <i>Estuaries and Coasts</i> , 2021, 44, 1831-1847. | 1.0 | 19 |
| 4695 | Distribution of Groundwater Arsenic in Uruguay Using Hybrid Machine Learning and Expert System Approaches. <i>Water (Switzerland)</i> , 2021, 13, 527. | 1.2 | 10 |
| 4696 | Arsenic Contamination of Groundwater and Its Implications for Drinking Water Quality and Human Health in Under-Developed Countries and Remote Communities—A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1926. | 1.3 | 59 |
| 4697 | Kinetic Behavior and Mechanism of Arsenate Adsorption by Loam and Sandy Loam Soil. <i>Soil and Sediment Contamination</i> , 2022, 31, 15-39. | 1.1 | 6 |
| 4698 | Trace element contamination in the mine-affected stream sediments of Oued Rarai in north-western Tunisia: a river basin scale assessment. <i>Environmental Geochemistry and Health</i> , 2021, 43, 4027-4042. | 1.8 | 19 |
| 4699 | Investigation into the Cause of Iron-Related Clogging of Groundwater Bores Used for Viticulture in the Limestone Coast, South Australia. <i>Water (Switzerland)</i> , 2021, 13, 683. | 1.2 | 4 |
| 4700 | Selective Removal of Toxic Ions from Water/Wastewater: Using a Novel Surfactant. <i>Substantia</i> , 0, , 79-88. | 0.1 | 2 |
| 4701 | Kinetics of arsenic and sulfur release from amorphous arsenic trisulfide. <i>Hydrometallurgy</i> , 2021, 200, 105555. | 1.8 | 6 |
| 4702 | The use of natural zeolites from Gunungkidul, Indonesia for preventing arsenic pollution of soils and plants. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 686, 012021. | 0.2 | 1 |
| 4703 | Transfer and bioavailability of inorganic and organic arsenic in sediment-water-biota microcosm. <i>Aquatic Toxicology</i> , 2021, 232, 105763. | 1.9 | 11 |
| 4704 | Iron mineral transformations and their impact on As (im)mobilization at redox interfaces in As-contaminated aquifers. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 296, 189-209. | 1.6 | 24 |
| 4705 | Graphene oxide-iron modified clinoptilolite based composites for adsorption of arsenate and optimization using response surface methodology. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 537-548. | 0.9 | 5 |
| 4706 | Arsenic in forests – a short review. <i>Folia Oecologica</i> , 2021, 48, 35-41. | 0.4 | 2 |
| 4707 | One-Step Preparation of Chitosan-Based Magnetic Adsorbent and Its Application to the Adsorption of Inorganic Arsenic in Water. <i>Molecules</i> , 2021, 26, 1785. | 1.7 | 13 |
| 4708 | Arsenic exposure from groundwater: environmental contamination, human health effects, and sustainable solutions. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2021, 24, 119-135. | 2.9 | 57 |
| 4709 | Soil Arsenic in Miami-Dade County. <i>Edis</i> , 2021, 2021, . | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4710 | Machine Learning Models of Arsenic in Private Wells Throughout the Conterminous United States As a Tool for Exposure Assessment in Human Health Studies. <i>Environmental Science & Technology</i> , 2021, 55, 5012-5023. | 4.6 | 42 |
| 4711 | Effects of cement addition on arsenic leaching from soils excavated from projects employing shield-tunneling method. <i>Geoderma</i> , 2021, 385, 114896. | 2.3 | 28 |
| 4712 | Hydrous cerium oxides coated glass fiber for efficient and long-lasting arsenic removal from drinking water. <i>Journal of Advanced Ceramics</i> , 2021, 10, 247-257. | 8.9 | 13 |
| 4713 | Volcanic emissions and atmospheric pollution: A study of nanoparticles. <i>Geoscience Frontiers</i> , 2021, 12, 746-755. | 4.3 | 32 |
| 4714 | Effect of microplastics and arsenic on nutrients and microorganisms in rice rhizosphere soil. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111899. | 2.9 | 178 |
| 4715 | Arsenic Contamination in Water from Selected Boreholes in Nairobi City County, Kenya. <i>European Journal of Advanced Chemistry Research</i> , 2021, 2, 1-6. | 0.4 | 2 |
| 4716 | Review on double-edged sword nature of arsenic: its path of exposure, problems, detections, and possible removal techniques. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 2512-2532. | 1.8 | 3 |
| 4717 | Synchrotron micro-X-ray fluorescence imaging of arsenic in frozen-hydrated sections of a root of <i>Pteris vittata</i> . <i>Metallomics</i> , 2021, 13, . | 1.0 | 9 |
| 4718 | Retention profile of As (III) and As (V) oxyanions from water onto polypyrrole. <i>Journal of King Saud University - Science</i> , 2021, 33, 101285. | 1.6 | 1 |
| 4719 | Efficacy of agricultural waste derived biochar for arsenic removal: Tackling water quality in the Indo-Gangetic plain. <i>Journal of Environmental Management</i> , 2021, 281, 111814. | 3.8 | 45 |
| 4720 | Effective removal of arsenide from aqueous solutions using mesoporous CoFe ₂ O ₄ /graphene oxide nanocomposites assisted by artificial intelligence. <i>Carbon Letters</i> , 0, , 1. | 3.3 | 6 |
| 4721 | Active Treatment of Contaminants of Emerging Concern in Cold Mine Water Using Advanced Oxidation and Membrane-Related Processes: A Review. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 259. | 0.8 | 8 |
| 4722 | Review of Metal Organic Framework Based Nanomaterials for Electrochemical Sensing of Toxic Heavy Metal Ions: Progress and Their Prospects. <i>Journal of the Electrochemical Society</i> , 2021, 168, 037513. | 1.3 | 55 |
| 4723 | Arsenic removal from water by nanofiltration membrane: potentials and limitations. <i>Water Practice and Technology</i> , 2021, 16, 291-319. | 1.0 | 22 |
| 4724 | Pleistocene sands of the Mississippi River Alluvial Aquifer produce the highest groundwater arsenic concentrations in southern Louisiana, USA. <i>Journal of Hydrology</i> , 2021, 595, 125995. | 2.3 | 7 |
| 4725 | Microbial reduction of As(V)-loaded Schwertmannite by <i>Desulfosporosinus meridiei</i> . <i>Science of the Total Environment</i> , 2021, 764, 144279. | 3.9 | 12 |
| 4726 | Arsenic in the Pearl River Delta and its related waterbody, South China: occurrence and sources, a review. <i>Geoscience Letters</i> , 2021, 8, . | 1.3 | 22 |
| 4727 | Distribution and Geochemical Processes of Arsenic in Lake Qinghai Basin, China. <i>Water (Switzerland)</i> , 2021, 13, 1091. | 1.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4728 | Machine Learning Predicted Redox Conditions in the Glacial Aquifer System, Northern Continental United States. <i>Water Resources Research</i> , 2021, 57, e2020WR028207. | 1.7 | 23 |
| 4729 | Geomorphic controls on shallow groundwater arsenic contamination in Bengal basin, India. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42177-42195. | 2.7 | 13 |
| 4730 | Boron, arsenic and antimony recycling in subduction zones: New insights from interactions between forearc serpentinites and CO ₂ -rich fluids at the slab-mantle interface. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 298, 21-42. | 1.6 | 9 |
| 4731 | Impacts of Redox Conditions on Arsenic and Antimony Transformation in Paddy Soil: Kinetics and Functional Bacteria. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 1121-1127. | 1.3 | 1 |
| 4732 | Fe and As geochemical self-removal dynamics in mineral waters: evidence from the Ferrarelle groundwater system (Riardo Plain, Southern Italy). <i>Environmental Geochemistry and Health</i> , 2022, 44, 2065-2082. | 1.8 | 3 |
| 4733 | Aging of exogenous arsenic in flooded paddy soils: Characteristics and predictive models. <i>Environmental Pollution</i> , 2021, 274, 116561. | 3.7 | 7 |
| 4734 | Antimony and arsenic contamination in water from antimonite mineralization: a case study from Turhal (Tokat, Northern Turkey). <i>Environmental Forensics</i> , 0, , 1-13. | 1.3 | 4 |
| 4735 | Integrating current and historical water chemistry data with long-term piezometric records to develop a regional-scale conceptual flow model: Las Salinas spring, Medina del Campo, Spain. <i>Journal of Hydrology: Regional Studies</i> , 2021, 34, 100781. | 1.0 | 3 |
| 4736 | The biotransformation of arsenic by spent mushroom compost – An effective bioremediation agent. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 112054. | 2.9 | 16 |
| 4737 | As-Co-Ni sulfarsenides in Palaeogene basaltic cone sheets as sources of groundwater arsenic contamination in co. Louth, Ireland. <i>Applied Geochemistry</i> , 2021, 127, 104914. | 1.4 | 3 |
| 4738 | Synthesis of Fe Doped Poly p-Phenylenediamine Composite: Co-Adsorption Application on Toxic Metal Ions (Fe ³⁺ and As ³⁺) and Microbial Disinfection in Aqueous Solution. <i>Toxics</i> , 2021, 9, 74. | 1.6 | 6 |
| 4740 | Photo-oxidation of arsenite in acidic waters containing Suwannee River fulvic acid: roles of 3SRFA* and hydroxyl radical. <i>Environmental Science and Pollution Research</i> , 2021, 28, 45144-45154. | 2.7 | 4 |
| 4741 | Development of iron-containing sorption materials for water purification from arsenic compounds. <i>Eastern-European Journal of Enterprise Technologies</i> , 2021, 2, 35-42. | 0.3 | 6 |
| 4742 | Decreases in arsenic accumulation by the plasma membrane intrinsic protein PIP2;2 in Arabidopsis and yeast. <i>Environmental Pollution</i> , 2021, 275, 116646. | 3.7 | 10 |
| 4744 | Arsenic release through refractory gold ore processing. Immobilization and decontamination approaches. <i>Current Opinion in Environmental Science and Health</i> , 2021, 20, 100236. | 2.1 | 4 |
| 4745 | Arsenic speciation in titanium dioxide (TiO ₂) waste produced via drinking water filtration: Potential environmental implications for soils, sediments, and human health. <i>Environmental Advances</i> , 2021, 3, 100036. | 2.2 | 4 |
| 4746 | Freshwater salinization syndrome: from emerging global problem to managing risks. <i>Biogeochemistry</i> , 2021, 154, 255-292. | 1.7 | 87 |
| 4747 | Machine-Learning Predictions of High Arsenic and High Manganese at Drinking Water Depths of the Glacial Aquifer System, Northern Continental United States. <i>Environmental Science & Technology</i> , 2021, 55, 5791-5805. | 4.6 | 58 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4748 | Effects of aluminum and soil mineralogy on arsenic bioaccessibility. <i>Environmental Pollution</i> , 2021, 274, 116482. | 3.7 | 15 |
| 4749 | Removal of arsenate using graphene oxide-iron modified clinoptilolite-based composites: adsorption kinetic and column study. <i>Journal of Analytical Science and Technology</i> , 2021, 12, . | 1.0 | 11 |
| 4750 | Inorganic arsenic induces sex-dependent pathological hypertrophy in the heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1321-H1336. | 1.5 | 15 |
| 4751 | Microbial mobilization of arsenic from iron-bearing clay mineral through iron, arsenate, and simultaneous iron-arsenate reduction pathways. <i>Science of the Total Environment</i> , 2021, 763, 144613. | 3.9 | 10 |
| 4752 | Biogeochemistry of macrophytes, sediments and porewaters in thermokarst lakes of permafrost peatlands, western Siberia. <i>Science of the Total Environment</i> , 2021, 763, 144201. | 3.9 | 21 |
| 4753 | Structure of Arsenic Sulfide Cake and Solubility of Its Alloys with Sulfur. <i>Metallurgist</i> , 2021, 65, 228-236. | 0.2 | 2 |
| 4754 | Arsenic in Petroleum-Contaminated Groundwater near Bemidji, Minnesota Is Predicted to Persist for Centuries. <i>Water (Switzerland)</i> , 2021, 13, 1485. | 1.2 | 5 |
| 4755 | Hydrogeological and water quality evaluation of parts of River Mamu Sub-Basin, Southeastern Nigeria. <i>Bulletin of the Mineral Research and Exploration</i> , 0, , 1-18. | 0.5 | 0 |
| 4757 | Arsenite Removal from Water by Oxidation-Coagulation Treatment Using Different Oxidizing Agents. <i>Journal of Water Chemistry and Technology</i> , 2021, 43, 210-217. | 0.2 | 3 |
| 4758 | A bifunctional \pm -FeOOH@GCA nanocomposite for enhanced adsorption of arsenic and photo Fenton-like catalytic conversion of As(III). <i>Environmental Technology and Innovation</i> , 2021, 22, 101437. | 3.0 | 38 |
| 4759 | Occurrence of Arsenic in Nearshore Aquifers Adjacent to Large Inland Lakes. <i>Environmental Science & Technology</i> , 2021, 55, 8079-8089. | 4.6 | 8 |
| 4760 | Application of a novel nanocomposites carbon nanotubes functionalized with mesoporous silica-nitrenium ions (CNT-MS-N) in nitrate removal: Optimizations and nonlinear and linear regression analysis. <i>Environmental Technology and Innovation</i> , 2021, 22, 101428. | 3.0 | 18 |
| 4761 | Arsenic and fluoride contamination in groundwater: A review of global scenarios with special reference to India. <i>Groundwater for Sustainable Development</i> , 2021, 13, 100576. | 2.3 | 76 |
| 4762 | Detection and removal of arsenic contamination from aqueous media using nanomaterials. <i>Materials Today: Proceedings</i> , 2021, 47, 2912-2912. | 0.9 | 0 |
| 4763 | Mineralogical controls on arsenite adsorption onto soils: Batch experiments and model-based quantification. <i>Science of the Total Environment</i> , 2021, 767, 144920. | 3.9 | 6 |
| 4764 | Enhanced As(III) sequestration using nanoscale zero-valent iron modified by combination of loading and sulfidation: characterizations, performance, kinetics and mechanism. <i>Water Science and Technology</i> , 2021, 83, 2886-2900. | 1.2 | 5 |
| 4765 | Arsenic reduction and mobilization cycle via microbial activities prevailing in the Holocene aquifers of Brahmaputra flood plain. <i>Groundwater for Sustainable Development</i> , 2021, 13, 100578. | 2.3 | 30 |
| 4766 | Arsenic speciation, mechanisms, and factors affecting rice uptake and potential human health risk: A systematic review. <i>Environmental Technology and Innovation</i> , 2021, 22, 101392. | 3.0 | 29 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4767 | Long-Term Arsenic Sequestration in Biogenic Pyrite from Contaminated Groundwater: Insights from Field and Laboratory Studies. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 537. | 0.8 | 4 |
| 4768 | Analysis of Quality of Backyard Compost and Its Potential Utilization as a Circular Bio-Waste Source. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4392. | 1.3 | 2 |
| 4769 | Influences on tidal channel and aquaculture shrimp pond water chemical composition in Southwest Bangladesh. <i>Geochemical Transactions</i> , 2021, 22, 2. | 1.8 | 3 |
| 4770 | Hydrogeochemical characteristics and its role in controlling arsenic mobilization in a shallow aquifer. <i>Acta Geochimica</i> , 0, , 1. | 0.7 | 1 |
| 4771 | Daily Fluctuations in the Isotope and Elemental Composition of Tap Water in Ljubljana, Slovenia. <i>Water (Switzerland)</i> , 2021, 13, 1451. | 1.2 | 3 |
| 4772 | Comparing arsenic(V) adsorption by two types of red soil weathered from granite and sandstone in Hunan, China. <i>Environmental Earth Sciences</i> , 2021, 80, 1. | 1.3 | 2 |
| 4773 | Fe-based layered double hydroxides for removing arsenic from water: sorption–desorption–regeneration. <i>Journal of Water and Health</i> , 2021, 19, 457-467. | 1.1 | 2 |
| 4774 | Arsenic uptake and bioaccumulation in plants: A review on remediation and socio-economic perspective in Southeast Asia. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100430. | 1.7 | 16 |
| 4775 | Evaluation of Arsenic and Nutrients Uptake of Tomato Plant at Various Arsenic Concentrations of Irrigation Waters. <i>Communications in Soil Science and Plant Analysis</i> , 2021, 52, 2388-2400. | 0.6 | 0 |
| 4776 | The Pedosphere as a Sink, Source, and Record of Anthropogenic and Natural Arsenic Atmospheric Deposition. <i>Environmental Science & Technology</i> , 2021, 55, 7757-7769. | 4.6 | 15 |
| 4777 | Synthetic Iowaite Can Effectively Remove Inorganic Arsenic from Marine Extract. <i>Molecules</i> , 2021, 26, 3052. | 1.7 | 1 |
| 4779 | Arsenic sensing using Al/Fe doped armchair graphene nanoribbons: Theoretical investigations. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 152, 109975. | 1.9 | 6 |
| 4780 | Selective adsorption of arsenic over phosphate by transition metal cross-linked chitosan. <i>Chemical Engineering Journal</i> , 2021, 412, 128582. | 6.6 | 44 |
| 4781 | Detecting Groundwater Temperature Shifts of a Subsurface Urban Heat Island in SE Germany. <i>Water (Switzerland)</i> , 2021, 13, 1417. | 1.2 | 4 |
| 4782 | Human health risk from consumption of aquatic species in arsenic-contaminated shallow urban lakes. <i>Science of the Total Environment</i> , 2021, 770, 145318. | 3.9 | 33 |
| 4783 | Spatial variation, water quality, and health risk assessment of trace elements in groundwater in Beijing and Shijiazhuang, North China Plain. <i>Environmental Science and Pollution Research</i> , 2021, 28, 57046-57059. | 2.7 | 15 |
| 4784 | Arsenic release to the environment from hydrocarbon production, storage, transportation, use and waste management. <i>Journal of Hazardous Materials</i> , 2021, 411, 125013. | 6.5 | 21 |
| 4785 | Arsenic biogeochemical cycling in paddy soil-rice system: Interaction with various factors, amendments and mineral nutrients. <i>Science of the Total Environment</i> , 2021, 773, 145040. | 3.9 | 100 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4786 | Discovering hidden spatial patterns and their associations with controlling factors for potentially toxic elements in topsoil using hot spot analysis and K-means clustering analysis. <i>Environment International</i> , 2021, 151, 106456. | 4.8 | 36 |
| 4787 | Characterisation of an artesian groundwater system in the Valle de Iglesia in the Central Andes of Argentina. <i>International Journal of Earth Sciences</i> , 2021, 110, 2559-2571. | 0.9 | 3 |
| 4788 | Arsenic removal from iron-containing groundwater by delayed aeration in dual-media sand filters. <i>Journal of Hazardous Materials</i> , 2021, 411, 124823. | 6.5 | 17 |
| 4789 | Contagious Progression and Distribution of Arsenic in India: A Key Towards Bioremediation. <i>Nature Environment and Pollution Technology</i> , 2021, 20, . | 0.2 | 1 |
| 4790 | Hydrogeochemical Evaluation of Intermittent Alluvial Aquifers Controlling Arsenic and Fluoride Contamination and Corresponding Health Risk Assessment. <i>Exposure and Health</i> , 2021, 13, 661-680. | 2.8 | 12 |
| 4791 | Hydrothermal flux and porewater geochemistry in Paleochori Bay, Milos, Greece. <i>Chemical Geology</i> , 2021, 571, 120188. | 1.4 | 12 |
| 4792 | Environmental Aspects of Oxide Nanoparticles: Probing Oxide Nanoparticle Surface Processes Under Different Environmental Conditions. <i>Annual Review of Analytical Chemistry</i> , 2021, 14, 489-514. | 2.8 | 11 |
| 4793 | Development of Phytoremediation Technology For Arsenic Removal-A State of Art. <i>International Journal of Advanced Research in Science, Communication and Technology</i> , 0, , 112-132. | 0.0 | 0 |
| 4794 | Isotope-geochemical assessment of thermal waters and their impact on surrounding potable water resources in the Tapi valley geothermal area, Maharashtra, India. <i>Environmental Earth Sciences</i> , 2021, 80, 1. | 1.3 | 2 |
| 4795 | A High-Response Electrochemical As(III) Sensor Using Fe ₃ O ₄ @rGO Nanocomposite Materials. <i>Chemosensors</i> , 2021, 9, 150. | 1.8 | 22 |
| 4796 | Investigation of arsenic removal from aqueous solution through selective sorption and nanofiber-based filters. <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 1347-1360. | 1.4 | 2 |
| 4797 | Status and management of arsenic pollution in groundwater: A comprehensive appraisal of recent global scenario, human health impacts, sustainable field-scale treatment technologies. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105203. | 3.3 | 73 |
| 4798 | Identification of processes mobilizing organic molecules and arsenic in geothermal confined groundwater from Pliocene aquifers. <i>Water Research</i> , 2021, 198, 117140. | 5.3 | 31 |
| 4799 | Sivas Havzasındaki Eosen volkanizmasından kaynaklanan arsenik kirliliği: Yalnızca kırılgan (Hafik, Sivas) eski içme suyu kaynağı. <i>Mer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi</i> , 0, , . | 0.2 | 0 |
| 4800 | Enhancing As(V) and As(III) adsorption performance of low alumina fly ash with ferric citrate modification: Role of FeSiO ₃ and monosodium citrate. <i>Journal of Environmental Management</i> , 2021, 287, 112302. | 3.8 | 10 |
| 4801 | A review on the use of lignocellulosic materials for arsenic adsorption. <i>Journal of Environmental Management</i> , 2021, 288, 112397. | 3.8 | 43 |
| 4802 | Health risk associated with consumption of arsenic contaminated groundwater in the Ganga and the Brahmaputra floodplain of India. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100103. | 2.9 | 10 |
| 4803 | The potential of arsenic biomagnification in marine ecosystems: A systematic investigation in Daya Bay in China. <i>Science of the Total Environment</i> , 2021, 773, 145068. | 3.9 | 21 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4804 | The interactive natural drivers of global geogenic arsenic contamination of groundwater. <i>Journal of Hydrology</i> , 2021, 597, 126214. | 2.3 | 22 |
| 4805 | Groundwater development leads to decreasing arsenic concentrations in the San Joaquin Valley, California. <i>Science of the Total Environment</i> , 2021, 771, 145223. | 3.9 | 14 |
| 4806 | How different are the arsenic fractions inhibit alkaline phosphatases on aggregates scale?. <i>Science of the Total Environment</i> , 2021, 774, 145728. | 3.9 | 1 |
| 4807 | Impact Assessment of Physiography, Subsurface Hydraulic Gradients and Lithologic Heterogeneity on the Groundwater Quality. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 1459-1480. | 1.0 | 3 |
| 4808 | Anthropogenic arsenic menace in contaminated water near thermal power plants and coal mining areas of India. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1099-1127. | 1.8 | 6 |
| 4810 | Sources, chemistry, bioremediation and social aspects of arsenic-contaminated waters: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3859-3886. | 8.3 | 31 |
| 4811 | Immobilization and migration of arsenic during the conversion of microbially induced calcium carbonate to hydroxylapatite. <i>Journal of Hazardous Materials</i> , 2021, 412, 125261. | 6.5 | 21 |
| 4812 | Trace Element Mobility during Corg-Enhanced Denitrification in Two Different Aquifers. <i>Water (Switzerland)</i> , 2021, 13, 1589. | 1.2 | 3 |
| 4813 | Arsenic-rich stalactites from abandoned mines: Mineralogy and biogeochemistry. <i>Applied Geochemistry</i> , 2021, 129, 104960. | 1.4 | 2 |
| 4814 | Health Risk Assessment of Arsenic, Manganese, and Iron from Drinking Water for High School Children. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1. | 1.1 | 6 |
| 4815 | Characteristics and Assessment of Trace Elements (Hg, As, Sb, Se, and Bi) in Mire Surface Water from the Changbai Mountains, Northeastern China. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1. | 1.1 | 1 |
| 4816 | Differential response of <i>Oryza sativa</i> L. and <i>Phragmites australis</i> L. plants in trace elements contaminated soils under flooded and unflooded conditions. <i>Environmental Geochemistry and Health</i> , 2022, 44, 99-115. | 1.8 | 6 |
| 4817 | Root responses to localised soil arsenic enrichment in the fern <i>Pityrogramma calomelanos</i> var. <i>austramericana</i> grown in rhizoboxes. <i>Plant Physiology and Biochemistry</i> , 2021, 164, 147-159. | 2.8 | 4 |
| 4818 | Reactivity of binary manganese oxide mixtures towards arsenite removal: Evidence of synergistic effects. <i>Applied Geochemistry</i> , 2021, 130, 104939. | 1.4 | 7 |
| 4819 | Carbon and methane cycling in arsenic-contaminated aquifers. <i>Water Research</i> , 2021, 200, 117300. | 5.3 | 22 |
| 4820 | Fermentation, methanotrophy and methanogenesis influence sedimentary Fe and As dynamics in As-affected aquifers in Vietnam. <i>Science of the Total Environment</i> , 2021, 779, 146501. | 3.9 | 16 |
| 4821 | Silver nanoparticles protect against arsenic induced genotoxicity via attenuating arsenic bioaccumulation and elevating antioxidation in mammalian cells. <i>Journal of Hazardous Materials</i> , 2021, 413, 125287. | 6.5 | 10 |
| 4822 | Rice husk-derived biochar can aggravate arsenic mobility in ferrous-rich groundwater during oxygenation. <i>Water Research</i> , 2021, 200, 117264. | 5.3 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4823 | The influence of humic and fulvic acids on polytetrafluoroethylene-adsorbed arsenic: a mechanistic study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64503-64515. | 2.7 | 8 |
| 4824 | Determination of arsenic species using functionalized ionic liquid by in situ dispersive liquid-liquid microextraction followed by atomic absorption spectrometry. <i>Food Chemistry</i> , 2021, 349, 129115. | 4.2 | 20 |
| 4825 | Months-long spike in aqueous arsenic following domestic well installation and disinfection: Short- and long-term drinking water quality implications. <i>Journal of Hazardous Materials</i> , 2021, 414, 125409. | 6.5 | 2 |
| 4826 | Evaluation of Groundwater Quality for Human Consumption and Irrigation in Relation to Arsenic Concentration in Flow Systems in a Semi-Arid Mexican Region. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8045. | 1.2 | 9 |
| 4827 | Distribution of geothermal arsenic in relation to geothermal play types: A global review and case study from the Anatolian plate (Turkey). <i>Journal of Hazardous Materials</i> , 2021, 414, 125510. | 6.5 | 27 |
| 4828 | Remedial Approaches against Arsenic Pollution. , 0, , . | | 0 |
| 4829 | Future perspectives and mitigation strategies towards groundwater arsenic contamination in West Bengal, India. <i>Environmental Quality Management</i> , 2022, 31, 75-97. | 1.0 | 33 |
| 4830 | Health risk assessment of As due to rice ingestion based on iAs distribution and actual consumption patterns for the residents in Beijing: a cross-sectional study. <i>Environmental Geochemistry and Health</i> , 2021, , 1. | 1.8 | 0 |
| 4831 | Comprehensive recovery of arsenic and antimony from arsenic-rich copper smelter dust. <i>Journal of Hazardous Materials</i> , 2021, 413, 125365. | 6.5 | 34 |
| 4833 | Simultaneous decontamination of arsenite and antimonite using an electrochemical CNT filter functionalized with nanoscale goethite. <i>Chemosphere</i> , 2021, 274, 129790. | 4.2 | 15 |
| 4834 | Clay-plug sediment as the locus of arsenic pollution in Holocene alluvial-plain aquifers. <i>Catena</i> , 2021, 202, 105255. | 2.2 | 7 |
| 4835 | Highly efficient removal of As(III) by Fe-Mn-Ca composites with the synergistic effect of oxidation and adsorption. <i>Science of the Total Environment</i> , 2021, 777, 145289. | 3.9 | 20 |
| 4836 | Removal of As(III) and As(V) from water using reduced GO-Fe ⁰ filled PANI composite. <i>Journal of Applied Water Engineering and Research</i> , 2022, 10, 117-128. | 1.0 | 4 |
| 4837 | Concomitant behavior of arsenic and selenium from the karst infillings materials of the fractured carbonate Dogger Aquifer (Hydrogeological Experimental Site, Poitiers, France). <i>Chemosphere</i> , 2021, 275, 129935. | 4.2 | 6 |
| 4838 | Unraveling the Underlying Heavy Metal Detoxification Mechanisms of Bacillus Species. <i>Microorganisms</i> , 2021, 9, 1628. | 1.6 | 55 |
| 4839 | Evidences on As(III) and As(V) interaction with iron(III) oxides: Hematite and goethite. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 1007-1018. | 0.9 | 5 |
| 4840 | Contemporary practices in groundwater arsenic remediation and wastewater management in West Bengal, India: a systematic review. <i>International Journal of Advanced Technology and Engineering Exploration</i> , 2021, 8, 797-823. | 0.6 | 14 |
| 4841 | Drinking Water Arsenic and Adverse Reproductive Outcomes in Men and Women: A Systematic PRISMA Review. <i>Water (Switzerland)</i> , 2021, 13, 1885. | 1.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4842 | In situ characterization of forearc serpentinitized peridotite from the Sulu ultrahigh-pressure terrane: Behavior of fluid-mobile elements in continental subduction zone. <i>Geoscience Frontiers</i> , 2021, 12, 101139. | 4.3 | 7 |
| 4843 | Contamination of the Soil "Groundwater" Crop System: Environmental Risk and Opportunities. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 775. | 0.8 | 11 |
| 4844 | Major and trace elements in rice paddy soils in Sri Lanka with special emphasis on regions with endemic chronic kidney disease of undetermined origin. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1841-1855. | 1.8 | 13 |
| 4845 | Mineralogical, geospatial, and statistical methods combined to estimate geochemical background of arsenic in soils for an area impacted by legacy mining pollution. <i>Science of the Total Environment</i> , 2021, 776, 145926. | 3.9 | 16 |
| 4846 | Determination of Arsenic(III) and Total Arsenic at Trace Levels in Baby Food Samples via a New Functionalized Magnetic Graphene Oxide Nanocomposite. <i>Biological Trace Element Research</i> , 2021, 199, 4856-4866. | 1.9 | 6 |
| 4847 | Elements in potable groundwater in Rugao longevity area, China: Hydrogeochemical characteristics, enrichment patterns and health assessments. <i>Ecotoxicology and Environmental Safety</i> , 2021, 218, 112279. | 2.9 | 14 |
| 4848 | Persistence and reversibility of arsenic-induced gut microbiome and metabolome shifts in male rats after 30-days recovery duration. <i>Science of the Total Environment</i> , 2021, 776, 145972. | 3.9 | 16 |
| 4849 | Evaluating spatiotemporal patterns of arsenic, antimony, and lead deposition from legacy gold mine emissions using lake sediment records. <i>Applied Geochemistry</i> , 2021, 134, 105053. | 1.4 | 9 |
| 4850 | Targeting redox metabolism of the maize "Azospirillum brasilense" interaction exposed to arsenic-affected groundwater. <i>Physiologia Plantarum</i> , 2021, 173, 1189-1206. | 2.6 | 1 |
| 4851 | Microbial transformation of biogenic and abiogenic Fe minerals followed by in-situ incubations in an As-contaminated vs. non-contaminated aquifer. <i>Environmental Pollution</i> , 2021, 281, 117012. | 3.7 | 9 |
| 4852 | Competing Sorption of Se(IV) and Se(VI) on Schwertmannite. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 764. | 0.8 | 3 |
| 4853 | Potentially toxic elements in groundwater: a hotspot research topic in environmental science and pollution research. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47825-47837. | 2.7 | 21 |
| 4855 | A new perspective on small-scale treatment systems for arsenic affected groundwater. <i>Environmental Technology and Innovation</i> , 2021, 23, 101780. | 3.0 | 4 |
| 4856 | Evaluation of Long-Term Leaching of Arsenic from Arsenic Contaminated and Stabilized Soil Using the Percolation Column Test. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7859. | 1.3 | 2 |
| 4857 | Kinetics and mechanisms of arsenic and sulfur release from crystalline orpiment. <i>Minerals Engineering</i> , 2021, 170, 107032. | 1.8 | 3 |
| 4858 | A critical review on the research trends and emerging technologies for arsenic decontamination from water. <i>Groundwater for Sustainable Development</i> , 2021, 14, 100607. | 2.3 | 33 |
| 4859 | A numerical study of arsenic contamination at the Bagnoli bay seabed by a semi-anthropogenic source. Analysis of current regime. <i>Science of the Total Environment</i> , 2021, 782, 146811. | 3.9 | 14 |
| 4860 | Functionalization of chitosan by grafting sulfhydryl groups to intensify the adsorption of arsenite from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126601. | 2.3 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4861 | Relevance of using the non-reactive geochemical signature in sediment core to estimate historical tributary contributions. <i>Journal of Environmental Management</i> , 2021, 292, 112775. | 3.8 | 4 |
| 4862 | Elimination of Arsenic (III) using <i>Phaseolus Lunatus</i> and <i>Phaseolus Vulgaris</i> as Natural Coagulants. <i>International Journal of Engineering and Advanced Technology</i> , 2021, 10, 66-69. | 0.2 | 0 |
| 4863 | Low-cost laterite-laden household filters for removing arsenic from groundwater in Vietnam and waste management. <i>Chemical Engineering Research and Design</i> , 2021, 152, 154-163. | 2.7 | 6 |
| 4864 | The adsorption of As(V) on poorly crystalline Fe oxyhydroxides, revisited: Effect of the reaction media and the drying treatment. <i>Journal of Hazardous Materials</i> , 2021, 416, 125863. | 6.5 | 15 |
| 4865 | Arsenic removal from industrial effluent: In-situ ferric sulfate production and arsenic partitioning in the residues. <i>Minerals Engineering</i> , 2021, 169, 106945. | 1.8 | 8 |
| 4866 | Assessment methodology applied to arsenic pollution in lake sediments combining static and dynamic processes. <i>Chemosphere</i> , 2021, 277, 130260. | 4.2 | 9 |
| 4867 | Optimization and assessment of a sequential extraction procedure for calcium carbonate rocks. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 577. | 1.3 | 4 |
| 4868 | Potential impacts of CO ₂ leakage on groundwater quality of overlying aquifer at geological carbon sequestration sites: A review and a proposed assessment procedure. , 2021, 11, 1134-1166. | | 11 |
| 4869 | Spatial Distribution and Source Apportionment of Soil Heavy Metals in Pearl River Delta, China. <i>Sustainability</i> , 2021, 13, 9651. | 1.6 | 18 |
| 4870 | Bioaccumulation and biotransformation of inorganic arsenic in zhihong scallop (<i>Chlamys farreri</i>) after waterborne exposure. <i>Chemosphere</i> , 2021, 277, 130270. | 4.2 | 11 |
| 4871 | Low-Dose CaO ₂ Enhanced Arsenite Coagulation via Elevating Solution pH and Persistently Oxidizing As(III) into As(V). <i>ACS ES&T Water</i> , 2021, 1, 2119-2127. | 2.3 | 8 |
| 4872 | Investigation of the combined use of capping and oxidizing agents in the immobilization of arsenic in sediments. <i>Science of the Total Environment</i> , 2021, 782, 146930. | 3.9 | 10 |
| 4873 | Distribution and health-ecological risk assessment of heavy metals: an endemic disease case study in southwestern China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 4260-4275. | 2.7 | 5 |
| 4874 | Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. <i>Science of the Total Environment</i> , 2021, 780, 146274. | 3.9 | 97 |
| 4875 | A report groundwater arsenic contamination assay in the delta area of West Bengal. <i>International Journal of Experimental Research and Review</i> , 0, , 84-88. | 0.0 | 1 |
| 4876 | Effect of pre-aeration on the removal of arsenic and iron from natural groundwater in household based ceramic filters. <i>Journal of Environmental Management</i> , 2021, 291, 112681. | 3.8 | 8 |
| 4877 | Toxicity mechanisms of arsenic compounds in aquatic organisms. <i>Aquatic Toxicology</i> , 2021, 237, 105901. | 1.9 | 63 |
| 4878 | Potential of natural ferruginous manganese (NFM) ore as a natural adsorbent for As(III) removal at low concentration. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 7252-7269. | 1.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4879 | Graphene oxide-MnO ₂ -goethite microsphere impregnated alginate: A novel hybrid nanosorbent for As(III) and As(V) removal from groundwater. <i>Journal of Water Process Engineering</i> , 2021, 42, 102129. | 2.6 | 32 |
| 4880 | Insights into the underlying mechanisms of stability working for As(III) removal by Fe-Mn binary oxide as a highly efficient adsorbent. <i>Water Research</i> , 2021, 203, 117558. | 5.3 | 27 |
| 4881 | A modeling approach for unveiling adsorption of toxic ions on iron oxide nanocrystals. <i>Journal of Hazardous Materials</i> , 2021, 417, 126005. | 6.5 | 7 |
| 4882 | <i>Paracyclops chiltoni</i> inhabiting water highly contaminated with arsenic: Water chemistry, population structure, and arsenic distribution within the organism. <i>Environmental Pollution</i> , 2021, 284, 117155. | 3.7 | 9 |
| 4883 | Anoxic storage to promote arsenic removal with groundwater-native iron. <i>Water Research</i> , 2021, 202, 117404. | 5.3 | 8 |
| 4884 | Photocatalysis for Heavy Metal Treatment: A Review. <i>Processes</i> , 2021, 9, 1729. | 1.3 | 41 |
| 4885 | Distribution and Accumulation of Trace Elements in Organs of Juvenile Fishes from a Freshwater System (Paraná River, South America). <i>Biological Trace Element Research</i> , 2022, 200, 2416-2431. | 1.9 | 2 |
| 4886 | Novel monomers with N-methyl-D-glucamine segments and their application in structured porous materials for arsenic capture. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51610. | 1.3 | 2 |
| 4887 | Chitosan hydrogel synthesis to remove arsenic and fluoride ions from groundwater. <i>Journal of Hazardous Materials</i> , 2021, 417, 126070. | 6.5 | 26 |
| 4888 | Innovative in situ remediation of mine waters using a layered double hydroxide-biochar composite. <i>Journal of Hazardous Materials</i> , 2022, 424, 127136. | 6.5 | 11 |
| 4889 | Arsenic photocatalytic oxidation over TiO ₂ -loaded SBA-15. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106443. | 3.3 | 21 |
| 4890 | Indicator of redox in soil (IRIS) films as a water management tool for rice farmers. <i>Journal of Environmental Management</i> , 2021, 294, 112920. | 3.8 | 7 |
| 4891 | Environmental Impact of Potentially Toxic Elements on Tropical Soils Used for Large-Scale Crop Commodities in the Eastern Amazon, Brazil. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 990. | 0.8 | 3 |
| 4892 | Origin of the enrichment of B and alkali metal elements in the geothermal water in the Tibetan Plateau: Evidence from B and Sr isotopes. <i>Chemie Der Erde</i> , 2021, 81, 125797. | 0.8 | 12 |
| 4893 | Enabling simultaneous redox transformation of toxic chromium(VI) and arsenic(III) in aqueous media—a review. <i>Journal of Hazardous Materials</i> , 2021, 417, 126041. | 6.5 | 34 |
| 4894 | The Effect of Proton and Arsenic Concentration on As(III) Removal by Hematite and Kaolin Complexes. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-8. | 1.5 | 3 |
| 4895 | Arsenic and mercury contamination and complex aquatic bioindicator responses to historical gold mining and modern watershed stressors in urban Nova Scotia, Canada. <i>Science of the Total Environment</i> , 2021, 787, 147374. | 3.9 | 9 |
| 4896 | Arsenic geochemistry of the sediments of the shallow aquifer and its correlation with the groundwater, Rangpur, Bangladesh. <i>Applied Water Science</i> , 2021, 11, 1. | 2.8 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4897 | Groundwater resources in the East African Rift Valley: Understanding the geogenic contamination and water quality challenges in Tanzania. <i>Scientific African</i> , 2021, 13, e00831. | 0.7 | 19 |
| 4898 | The ZrO ₂ NPs enhanced the risk of arsenate by promoting its accumulation and reducing its detoxification during food chain transfer from <i>Daphnia magna</i> to zebrafish. <i>Journal of Hazardous Materials</i> , 2022, 424, 127338. | 6.5 | 4 |
| 4899 | Influence of chemical fertilizers on arsenic mobilization in the alluvial Bengal delta plain: a critical review. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2021, 70, 948-970. | 0.6 | 14 |
| 4900 | Critical review on arsenic: Its occurrence, contamination and remediation from water and soil. <i>Journal of Applied and Natural Science</i> , 2021, 13, 861-879. | 0.2 | 3 |
| 4901 | A review on sources, identification and treatment strategies for the removal of toxic Arsenic from water system. <i>Journal of Hazardous Materials</i> , 2021, 418, 126299. | 6.5 | 113 |
| 4902 | A novel arsenic immobilization strategy via a two-step process: Arsenic concentration from dilute solution using schwertmannite and immobilization in Ca-Fe-AsO ₄ compounds. <i>Journal of Environmental Management</i> , 2021, 295, 113052. | 3.8 | 19 |
| 4903 | Early Neoproterozoic oxygenation dynamics along the northern margin of the West African Craton, Anti-Atlas Mountains, Morocco. <i>Chemical Geology</i> , 2021, 581, 120404. | 1.4 | 3 |
| 4904 | Photooxidation of arsenic in pristine and mine-impacted Canadian subarctic freshwater systems. <i>Journal of Hazardous Materials Advances</i> , 2021, 2, 100006. | 1.2 | 5 |
| 4905 | Schwertmannite: A review of its occurrence, formation, structure, stability and interactions with oxyanions. <i>Earth-Science Reviews</i> , 2021, 221, 103811. | 4.0 | 56 |
| 4906 | (Im)mobilization of arsenic, chromium, and nickel in soils via biochar: A meta-analysis. <i>Environmental Pollution</i> , 2021, 286, 117199. | 3.7 | 40 |
| 4907 | Removal mechanisms of arsenite by coprecipitation with ferrihydrite. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105819. | 3.3 | 21 |
| 4908 | Advances in As contamination and adsorption in soil for effective management. <i>Journal of Environmental Management</i> , 2021, 296, 113274. | 3.8 | 16 |
| 4909 | Bulk scanning method of a heavy metal concentration in tailings of a gold mine using SWIR hyperspectral imaging system. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102382. | 1.4 | 6 |
| 4910 | The differential inhibitive effects and fates of As(III) and As(V) mediated by <i>Sulfobacillus thermosulfidooxidans</i> grown on SO ₄ , Fe ²⁺ and FeS ₂ . <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112502. | 2.9 | 3 |
| 4911 | Enhancing the arsenic adsorption by controlling the zeta potential of Zn(OH) ₂ flocs. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106300. | 3.3 | 13 |
| 4912 | Column studies on the adsorption of As(V) by granular chitosan adsorbent prepared with backwashing iron-containing sludge. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127247. | 2.3 | 11 |
| 4913 | N-Acetylcysteine versus arsenic poisoning: A mechanistic study of complexation by molecular spectroscopy and density functional theory. <i>Journal of Molecular Liquids</i> , 2021, 340, 117168. | 2.3 | 6 |
| 4914 | Drivers and ecological consequences of arsenite detoxification in aged semi-aerobic landfill. <i>Journal of Hazardous Materials</i> , 2021, 420, 126597. | 6.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4915 | Interactions of heavy metal elements across sediment-water interface in Lake Jiaogang. <i>Environmental Pollution</i> , 2021, 286, 117578. | 3.7 | 21 |
| 4916 | Reducing arsenic toxicity using the interfacial oxygen nanobubble technology for sediment remediation. <i>Water Research</i> , 2021, 205, 117657. | 5.3 | 22 |
| 4917 | A facile route of mesoporous TiO ₂ shell for enhanced arsenic removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127138. | 2.3 | 8 |
| 4918 | In vitro toxicity of arsenic rich waters from an abandoned gold mine in northeast Portugal. <i>Environmental Research</i> , 2021, 202, 111683. | 3.7 | 5 |
| 4919 | The role of agronomic factors (rice cultivation practices and soil amendments) on Arsenic fractionation: A strategy to minimise Arsenic uptake by rice, with some observations related to cadmium. <i>Catena</i> , 2021, 206, 105556. | 2.2 | 9 |
| 4920 | Geochemical evaluation of volcanic rocks and soils around Meru volcanic complex, northern Tanzania: Implications for fluorine source, mobility and contamination of groundwater systems. <i>Journal of African Earth Sciences</i> , 2021, 183, 104328. | 0.9 | 1 |
| 4921 | Exposure of humic acid-coated goethite colloids to groundwater does not affect their adsorption of metal(loid)s and their impact on Daphnid mobility. <i>Science of the Total Environment</i> , 2021, 797, 149153. | 3.9 | 3 |
| 4922 | Arsenic fate in upper Indus river basin (UIRB) aquifers: Controls of hydrochemical processes, provenances and water-aquifer matrix interaction. <i>Science of the Total Environment</i> , 2021, 795, 148734. | 3.9 | 20 |
| 4923 | Effective removal of water-soluble methylated arsenic contaminants with phosphorene oxide nanoflakes: A DFT study. <i>Journal of Molecular Liquids</i> , 2021, 341, 117423. | 2.3 | 3 |
| 4924 | Redox-driven geochemical partitioning of metal(loid)s in the iron-rich anoxic sediments of a recently flooded lignite mine pit: Lake Medard, NW Czechia. <i>Journal of Hazardous Materials Advances</i> , 2021, 3, 100009. | 1.2 | 2 |
| 4925 | Are root elongation assays suitable for establishing metallic anion ecotoxicity thresholds?. <i>Journal of Hazardous Materials Letters</i> , 2021, 2, 100024. | 2.0 | 2 |
| 4926 | Mechanisms of arsenic removal from simulated surface water based on As(III) retention on thiol chelating resins. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100532. | 1.7 | 3 |
| 4927 | As(III) adsorption on co-precipitated cobalt substituted ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 539, 168389. | 1.0 | 12 |
| 4928 | Distribution and genetic mechanism of high arsenic geothermal water in the Batang area, Western Sichuan. <i>Geothermics</i> , 2021, 97, 102232. | 1.5 | 4 |
| 4929 | Biotransformation and removal of arsenic oxyanions by <i>Alishewanella agri</i> PMS5 in biofilm and planktonic states. <i>Chemosphere</i> , 2021, 284, 131336. | 4.2 | 4 |
| 4930 | Review on heterogeneous oxidation and adsorption for arsenic removal from drinking water. <i>Journal of Environmental Sciences</i> , 2021, 110, 178-188. | 3.2 | 41 |
| 4931 | Anaerobic oxidation of arsenite by bio-reduced nontronite. <i>Journal of Environmental Sciences</i> , 2021, 110, 21-27. | 3.2 | 0 |
| 4932 | Late Quaternary aggradation of the Datong Basin in northern China revealed by OSL dating of core sediments and implications for groundwater arsenic pollution. <i>Catena</i> , 2021, 207, 105650. | 2.2 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4933 | Review on the interactions of arsenic, iron (oxy)(hydr)oxides, and dissolved organic matter in soils, sediments, and groundwater in a ternary system. <i>Chemosphere</i> , 2022, 286, 131790. | 4.2 | 73 |
| 4934 | Spatial distribution and health risk assessment of As and Pb contamination in the groundwater of Rayong Province, Thailand. <i>Environmental Research</i> , 2022, 204, 111838. | 3.7 | 19 |
| 4935 | Potential contamination of stream waters by ultramafic mining sediments: Identification of geochemical markers (New Caledonia). <i>Journal of Geochemical Exploration</i> , 2022, 232, 106879. | 1.5 | 4 |
| 4936 | Arsenic in the geo-environment: A review of sources, geochemical processes, toxicity and removal technologies. <i>Environmental Research</i> , 2022, 203, 111782. | 3.7 | 150 |
| 4937 | Influence of hydrogeochemical reactions along flow paths on contrasting groundwater arsenic and manganese distribution and dynamics across the Ganges River. <i>Chemosphere</i> , 2022, 287, 132144. | 4.2 | 4 |
| 4938 | Dynamics of low-molecular-weight organic acids for the extraction and sequestration of arsenic species and heavy metals using mangrove sediments. <i>Chemosphere</i> , 2022, 286, 131820. | 4.2 | 14 |
| 4939 | A multivariate non-parametric approach for estimating probability of exceeding the local natural background level of arsenic in the aquifers of Calabria region (Southern Italy). <i>Science of the Total Environment</i> , 2022, 806, 150345. | 3.9 | 40 |
| 4940 | Coupling of redundancy analysis with geochemistry and mineralogy to assess the behavior of dust arsenic as a base of risk estimation in Dhaka, Bangladesh. <i>Chemosphere</i> , 2022, 287, 132048. | 4.2 | 6 |
| 4941 | Facile co-removal of As(V) and Sb(V) from aqueous solution using Fe-Cu binary oxides: Structural modification and self-driven force field of copper oxides. <i>Science of the Total Environment</i> , 2022, 803, 150084. | 3.9 | 18 |
| 4942 | Amorphous Mn-La oxides immobilized on carbon sphere for efficient removal of As(III), Cd(II), and Pb(II): Co-adsorption and roles of Mn species. <i>Chemical Engineering Journal</i> , 2022, 429, 132262. | 6.6 | 32 |
| 4943 | Hydrochemical characterization, spatial distribution, and geochemical controls on arsenic and boron in waters from arid Arica and Parinacota, northern Chile. <i>Science of the Total Environment</i> , 2022, 806, 150206. | 3.9 | 8 |
| 4944 | Enhanced removal of As(III) by heterogeneous catalytic oxidation of As(III) on Fe-biochar fibers with H ₂ O ₂ and hydroxylamine. <i>Chemical Engineering Journal</i> , 2022, 428, 131200. | 6.6 | 18 |
| 4945 | Quantitative benefit and risk assessment of arsenic and nutrient levels in cooked and raw Chinese mitten crab (<i>Eriocheir sinensis</i>) using an in vitro digestion model. <i>Food Chemistry</i> , 2022, 368, 130826. | 4.2 | 5 |
| 4946 | Remote sensing of wetland evolution in predicting shallow groundwater arsenic distribution in two typical inland basins. <i>Science of the Total Environment</i> , 2022, 806, 150496. | 3.9 | 20 |
| 4947 | Low-Cost Nanoparticles for Remediation of Arsenic Contaminated Water and Soils. , 2021, , 217-251. | | 2 |
| 4948 | High-Arsenic Groundwater in Paleochannels of the Lower Yellow River, China: Distribution and Genesis Mechanisms. <i>Water (Switzerland)</i> , 2021, 13, 338. | 1.2 | 7 |
| 4949 | Speciation Analysis of Food Products. <i>Food Bioactive Ingredients</i> , 2021, , 309-344. | 0.3 | 2 |
| 4950 | Arsenic-Transforming Bacteria: A Potential Weapon for Arsenic-Contaminated Soil. , 2021, , 239-268. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4951 | Removal of heavy metals by microbial communities. , 2021, , 537-566. | | 3 |
| 4952 | Assessing the Impact of Drought on Arsenic Exposure from Private Domestic Wells in the Conterminous United States. Environmental Science & Technology, 2021, 55, 1822-1831. | 4.6 | 20 |
| 4953 | Wastewaterâ€™Sources, Toxicity, and Their Consequences to Human Health. , 2021, , 3-33. | | 47 |
| 4955 | Combating Arsenic Pollution in Soil Environment via Alternate Agricultural Land Use. Environmental Challenges and Solutions, 2021, , 7-28. | 0.5 | 0 |
| 4956 | Arsenic-Rich Surface and Groundwater around Eastern Parts of Rupnagar District, Punjab, India. Environmental Challenges and Solutions, 2021, , 379-393. | 0.5 | 2 |
| 4957 | Arsenic pollution and human health issues â€™ special reference to Bengal Delta. , 2021, , 281-305. | | 2 |
| 4958 | Adsorption and desorption of arsenic and its immobilization in soils. Scientia Agricola, 2021, 78, . | 0.6 | 7 |
| 4960 | Arsenic in the lower drainage basin of the ParaÃba do Sul River (Southeast Brazil): dynamics between the water column and sediment. Environmental Monitoring and Assessment, 2021, 193, 57. | 1.3 | 8 |
| 4961 | Global groundwater: from scarcity to security through sustainability and solutions. , 2021, , 3-20. | | 30 |
| 4962 | Adsorption of p-Arsanilic Acid on Iron (Hydr)oxides and Its Implications for Contamination in Soils. Minerals (Basel, Switzerland), 2021, 11, 105. | 0.8 | 5 |
| 4963 | Eco-Friendly Nanostructured Materials for Arsenic Removal from Aqueous Basins. , 2021, , 1-24. | | 0 |
| 4964 | Nanocomposite membranes for heavy metal removal. , 2021, , 575-603. | | 5 |
| 4965 | Arsenic: A Global Environmental Challenge. Annual Review of Pharmacology and Toxicology, 2021, 61, 47-63. | 4.2 | 127 |
| 4971 | Isolation and Identification of Two Novel Alkaligenous Arsenic(III)â€™Oxidizing Bacteria From a Realgar Mine, China. Clean - Soil, Air, Water, 2017, 45, . | 0.7 | 3 |
| 4972 | Nanoclays as Eco-friendly Adsorbents of Arsenic for Water Purification. , 2020, , 1-17. | | 4 |
| 4973 | Changes on Earth as a Result of Interaction Between the Society and Nature. Sustainable Development Goals Series, 2020, , 75-202. | 0.2 | 1 |
| 4974 | Natural Hazards Coming from Trace Elements Natural Enrichment: The Bevera Valley Basin (Northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 0.2 | 1 |
| 4975 | Arsenic and Its Biological Role: From Early Earth to Current Andean Microbial Ecosystems. , 2020, , 275-284. | | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4976 | Modern Microbial Mats and Endoevaporite Systems in Andean Lakes: A General Approach. , 2020, , 21-33. | | 8 |
| 4977 | The Nature of Manganese Oxides in Soils and Their Role as Scavengers of Trace Elements: Implication for Soil Remediation. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 399-429. | 0.2 | 6 |
| 4978 | Some Effective Methods for Treatment of Wastewater from Cu Production. Environmental Chemistry for A Sustainable World, 2021, , 313-440. | 0.3 | 1 |
| 4979 | Seasonal Variations and Flux of Arsenic in Gomati River, Ganga Alluvial Plain, Northern India. , 2015, , 85-96. | | 1 |
| 4981 | Problem, Perspective and Challenges of Arsenic Contamination in the Groundwater of Brahmaputra Flood Plains and Barak Valley Regions of Assam, India. , 2015, , 65-80. | | 3 |
| 4982 | Phytoremediation Coupled to Electrochemical Process for Arsenic Removal from Soil. , 2016, , 313-329. | | 1 |
| 4983 | Arsenic Contamination from Historical Aspects to the Present. , 2017, , 1-12. | | 16 |
| 4984 | Sorption and Desorption of Arsenic by Soil Minerals and Soils in the Presence of Nutrients and Organics. , 2008, , 39-69. | | 16 |
| 4986 | Arsenic Groundwater Contamination Related Socio-Economic Problems in India: Issues and Challenges. Environmental Science and Engineering, 2013, , 163-182. | 0.1 | 5 |
| 4987 | Arsenic Contamination in Bangladesh: Contemporary Alarm and Future Strategy. Disaster Risk Reduction, 2013, , 191-216. | 0.2 | 2 |
| 4988 | Arsenic contamination in Hanoi City, Vietnam. Library for Sustainable Urban Regeneration, 2008, , 273-299. | 0.0 | 3 |
| 4989 | Arsenic Fate and Transport in the Groundwater-Soil-Plant System: An Understanding of Suitable Rice Paddy Cultivation in Arsenic Enriched Areas. , 2014, , 21-44. | | 6 |
| 4990 | Status of As and Fâ” Groundwater and Soil Pollution in Pakistan. , 2015, , 21-33. | | 7 |
| 4991 | Geogenic Contamination and Technologies for Safe Drinking Water Supply. , 2017, , 81-95. | | 1 |
| 4992 | Arsenic and Water Quality Challenges in South America. , 2010, , 275-293. | | 8 |
| 4993 | Groundwater in the 21st Century â€” Meeting the Challenges. , 2011, , 207-225. | | 9 |
| 4994 | Arsenic Distribution and Geochemistry in Island Groundwater of the Okavango Delta in Botswana. , 2011, , 55-67. | | 7 |
| 4995 | Some Aspects of the Medical Geology of the Indian Subcontinent and Neighbouring Regions. , 2010, , 175-198. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4996 | Distribution and Speciation of Arsenic in Groundwaters and Tap Waters of Eastern Croatia. NATO Science for Peace and Security Series C: Environmental Security, 2009, , 135-147. | 0.1 | 2 |
| 4997 | Bioremediation of Arsenic in Contaminated Terrestrial and Aquatic Environments. Environmental Chemistry for A Sustainable World, 2012, , 475-509. | 0.3 | 3 |
| 4998 | Risk from Arsenic in Rice Grain. , 2012, , 31-50. | | 6 |
| 5000 | Current Status of Toxic Metals Addition to Environment and Its Consequences. Environmental Pollution, 2012, , 35-69. | 0.4 | 28 |
| 5002 | Potentials of Aquatic Plants and Algae for Arsenic Accumulation. , 2018, , 257-267. | | 2 |
| 5003 | Facile preparation of PAN@Ag@Ag ₂ O/TiO ₂ nanofibers with enhanced photocatalytic activity and reusability toward oxidation of As(III). Journal of Materials Science, 2020, 55, 11310-11324. | 1.7 | 7 |
| 5004 | Arsenic contamination, subsequent water toxicity, and associated public health risks in the lower Indus plain, Sindh province, Pakistan. Environmental Science and Pollution Research, 2019, 26, 30642-30662. | 2.7 | 39 |
| 5005 | Genetic engineering approaches and applicability for the bioremediation of metalloids. , 2020, , 207-235. | | 7 |
| 5006 | Hydrogeochemistry, circulation path and arsenic distribution in Tahlab aquifer, East of Taftan Volcano, SE Iran. Applied Geochemistry, 2020, 119, 104629. | 1.4 | 5 |
| 5007 | Spatial characteristics and geographical determinants of mercury and arsenic in snow in northeastern China. Atmospheric Pollution Research, 2020, 11, 2068-2075. | 1.8 | 9 |
| 5009 | High-flux ultrafiltration membrane based on electrospun polyacrylonitrile nanofibrous scaffolds for arsenate removal from aqueous solutions. Journal of Colloid and Interface Science, 2017, 506, 564-571. | 5.0 | 59 |
| 5010 | Aminated cellulose as a versatile adsorbent for batch removal of As(V) and Cu(II) from mono- and multicomponent aqueous solutions. Journal of Colloid and Interface Science, 2020, 576, 158-175. | 5.0 | 26 |
| 5011 | Simultaneous removal and oxidation of arsenic from water by γ-MnO ₂ modified activated carbon. Journal of Environmental Sciences, 2020, 94, 147-160. | 3.2 | 43 |
| 5012 | Difference in attenuation among Mn, As, and Fe in riverbed sediments. Journal of Hazardous Materials, 2018, 341, 277-289. | 6.5 | 8 |
| 5013 | Delineating sources of groundwater recharge in an arsenic-affected Holocene aquifer in Cambodia using stable isotope-based mixing models. Journal of Hydrology, 2018, 557, 321-334. | 2.3 | 31 |
| 5014 | Hydrogeological and Geochemical Comparison of High Arsenic Groundwaters in Inland Basins, P.R. China. Procedia Earth and Planetary Science, 2017, 17, 416-419. | 0.6 | 11 |
| 5015 | Revisiting the biogeochemistry of arsenic in the Baltic Sea: Impact of anthropogenic activity. Science of the Total Environment, 2018, 613-614, 557-568. | 3.9 | 14 |
| 5016 | Arsenic hampered embryonic development: An in vivo study using local Bangladeshi Danio rerio model. Toxicology Reports, 2020, 7, 155-161. | 1.6 | 26 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5017 | Budget and fate of sedimentary trace metals in the Eastern China marginal seas. <i>Water Research</i> , 2020, 187, 116439. | 5.3 | 13 |
| 5019 | Nanoparticles as Sorbents for Removal of Heavy Metal Ions from Aqueous Solutions. , 2009, , 137-158. | | 1 |
| 5021 | Evidence for arsenic-driven redox chemistry in a wetland system: a field voltammetric study. <i>Environmental Chemistry</i> , 2010, 7, 386. | 0.7 | 14 |
| 5022 | Assessing the toxicity of arsenic-bearing sulfide minerals with the bio-indicator <i>Corophium volutator</i> . <i>Environmental Chemistry</i> , 2011, 8, 52. | 0.7 | 6 |
| 5023 | Solar photocatalytic removal of arsenic from polluted water using carbon-modified titanium oxide nanoparticles supported on activated carbon. <i>Environmental Chemistry</i> , 2020, 17, 568. | 0.7 | 10 |
| 5024 | Evolution of chemical contaminant and toxicology studies, part 2 - case studies of Selenium and Arsenic. <i>South Pacific Journal of Natural and Applied Sciences</i> , 2003, 21, 6. | 0.2 | 2 |
| 5025 | Water Contaminants. , 2006, , 382-404. | | 12 |
| 5026 | Estimating effects of arsenic exposure during pregnancy on perinatal outcomes in a Bangladeshi cohort. <i>Epidemiology</i> , 2015, 27, 1. | 1.2 | 56 |
| 5029 | Microbial Transformations of Arsenic in the Subsurface. , 0, , 77-90. | | 1 |
| 5030 | Anaerobic Respiratory Iron(II) Oxidation. , 0, , 157-171. | | 1 |
| 5031 | Evaluating Strategies to Reduce Arsenic Poisoning in South Asia: A View from the Social Sciences. <i>Asian Development Review</i> , 2020, 37, 21-44. | 0.8 | 6 |
| 5032 | As and Pb bioaccessibility in polluted soils from a mining site under semiarid climate in Mexico. , 2004, , 173-184. | | 4 |
| 5033 | Arsenic mobilisation in the Holocene flood plains in South-central Bangladesh. , 2008, , . | | 2 |
| 5034 | Optimisation of iron removal units to include arsenic removal. , 2005, , 263-271. | | 1 |
| 5035 | Sustainable safe water options in Bangladesh. , 2005, , 319-330. | | 7 |
| 5036 | Prerequisite studies for numerical flow modeling to locate safe drinking water wells in the zone of arsenic polluted groundwater in the Yamuna sub-basin, West Bengal, India. , 2005, , 331-338. | | 3 |
| 5037 | Natural enrichment of arsenic in groundwaters of Brahmanbaria district, Bangladesh. , 2005, , 133-143. | | 3 |
| 5038 | Arsenic contamination in groundwaters in Bangladesh and options of sustainable drinking water supplies. , 2010, , 49-64. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5039 | The global arsenic cycle revisited. <i>Arsenic in the Environment</i> , 2011, , 3-26. | 0.0 | 12 |
| 5040 | Intermediate to high levels of arsenic and fluoride in deep geothermal aquifers from the northwestern Chaco-Pampean plain, Argentina. <i>Arsenic in the Environment</i> , 2008, , 69-79. | 0.0 | 2 |
| 5041 | Survey of arsenic in drinking water and assessment of the intake of arsenic from water in Argentine Puna. <i>Arsenic in the Environment</i> , 2008, , 397-407. | 0.0 | 2 |
| 5042 | Transfer of arsenic from contaminated dairy cattle drinking water to milk (Córdoba, Argentina). <i>Arsenic in the Environment</i> , 2008, , 419-425. | 0.0 | 4 |
| 5043 | Phytoremediation of arsenic by sorghum (<i>Sorghum bicolor</i>) under hydroponics. <i>Arsenic in the Environment</i> , 2008, , 643-647. | 0.0 | 1 |
| 5044 | Potential use of sedges (<i>Cyperaceae</i>) in arsenic phytoremediation. <i>Arsenic in the Environment</i> , 2008, , 649-655. | 0.0 | 1 |
| 5045 | Arsenic removal from water of Huautla, Morelos, Mexico using capacitive deionization. <i>Arsenic in the Environment</i> , 2008, , 665-676. | 0.0 | 6 |
| 5046 | Anaerobic oxidation of arsenite by autotrophic bacteria: the view from Mono Lake, California. , 2018, , 92-99. | | 2 |
| 5047 | Arsenite oxidase. , 2018, , 100-116. | | 1 |
| 5048 | Arsenic in the environment. <i>Arsenic in the Environment</i> , 2012, , 1-23. | 0.0 | 7 |
| 5049 | Arsenic in the environment. , 2018, , 22-44. | | 5 |
| 5050 | Competitive Sorption of Heavy Metals in Soils. , 2012, , 1-48. | | 4 |
| 5051 | Bioaccessibility of arsenic in a gold mine area in Brazil. <i>Arsenic in the Environment Proceedings</i> , 2014, , 349-353. | 0.0 | 2 |
| 5052 | Natural arsenic occurrence in drinking water and assessment of water quality in the southern part of the PoopÃ³ lake basin, Bolivian Altiplano. <i>Arsenic in the Environment Proceedings</i> , 2014, , 154-156. | 0.0 | 2 |
| 5053 | Citric acid assisted phytoremediation of arsenic through <i>Brassica napus</i> L.. <i>Arsenic in the Environment Proceedings</i> , 2016, , 599-600. | 0.0 | 6 |
| 5054 | A Study on Mineralogical Characterizations of Sangdong Mine Tailings. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2014, 51, 829-834. | 0.1 | 1 |
| 5055 | The Use of Manganese Oxide Minerals for the Removal Arsenic and Selenium Anions from Aqueous Solutions. <i>Energy and Environmental Engineering</i> , 2014, 2, 103-112. | 0.8 | 18 |
| 5056 | Chronic Arsenic Exposure and Risk of Post Kala-azar Dermal Leishmaniasis Development in India: A Retrospective Cohort Study. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005060. | 1.3 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5057 | Identification of QTLs for Arsenic Accumulation in Maize (<i>Zea mays</i> L.) Using a RIL Population. <i>PLoS ONE</i> , 2011, 6, e25646. | 1.1 | 37 |
| 5058 | Arsenic in Drinking Water and Mortality for Cancer and Chronic Diseases in Central Italy, 1990-2010. <i>PLoS ONE</i> , 2015, 10, e0138182. | 1.1 | 79 |
| 5059 | A review on fly ash from coal-fired power plants: chemical composition, regulations, and health evidence. <i>Reviews on Environmental Health</i> , 2020, 35, 401-418. | 1.1 | 71 |
| 5060 | Health Risk Assessment of Inorganic Arsenic Through Groundwater Drinking Pathway in some Agricultural Districts of Hamedan, West of Iran. <i>Avicenna Journal of Environmental Health Engineering</i> , 2018, 5, 73-77. | 0.3 | 13 |
| 5061 | The controlling of paleo-riverbed migration on Arsenic mobilization in groundwater in the Red River Delta, Vietnam. <i>Vietnam Journal of Earth Sciences</i> , 2020, 42, 161-175. | 1.0 | 8 |
| 5062 | ANALYSIS OF GENETIC SIMILARITY OF LIMNOCHARIS FLAVA INDIVIDUALS GROWING AROUND A GOLD MINING AREA WITH ARSENIC CONTAMINATION. <i>Applied Ecology and Environmental Research</i> , 2016, 14, 105-114. | 0.2 | 1 |
| 5063 | THE NEGATIVE EFFECT OF ARSENIC IN AGRICULTURE: IRRIGATION WATER, SOIL AND CROPS, STATE OF THE ART. <i>Applied Ecology and Environmental Research</i> , 2018, 16, 1533-1551. | 0.2 | 11 |
| 5064 | ARSENIC CONTAMINATED GROUNDWATER IN CHINA AND ITS TREATMENT OPTIONS, A REVIEW. <i>Applied Ecology and Environmental Research</i> , 2019, 17, 1655-1683. | 0.2 | 42 |
| 5065 | Arsenic in drinking water in the Los Altos de Jalisco region of Mexico. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 2006, 20, 236-47. | 0.6 | 23 |
| 5067 | Groundwater Arsenic Contamination in Bihar: Causes, Issues and Challenges. <i>MANTHAN Journal of Commerce and Management</i> , 2015, 2, . | 0.0 | 9 |
| 5068 | Natural Arsenic Pollution and Hydrochemistry of Drinking Water of an Urban Part of Iran. <i>Avicenna Journal of Environmental Health Engineering</i> , 2014, 1, . | 0.3 | 5 |
| 5069 | Elazığ Keban Baraj Gölünde Arsenik Kirlenme Düzeyinin Belirlenmesi. <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i> , 2015, 3, . | 0.1 | 6 |
| 5070 | Groundwater Arsenic Contamination in West Bengal: Current Scenario, Effects and Probable Ways of Mitigation. <i>International Letters of Natural Sciences</i> , 0, 13, 45-58. | 1.0 | 15 |
| 5071 | Sorption of Arsenic and Heavy Metals Using Various Solid Phase Materials. <i>International Journal of Environmental Science and Development</i> , 2017, 8, 71-74. | 0.2 | 5 |
| 5072 | Effect of pH and total phosphorus concentration of overlying water on arsenic mobilization in the sediments containing high arsenic and iron salts. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2015, 27, 1101-1106. | 0.3 | 1 |
| 5073 | The behavior of fluid mobile elements during serpentinization and dehydration of serpentinites in subduction zones. <i>Acta Petrologica Sinica</i> , 2020, 36, 141-153. | 0.3 | 12 |
| 5074 | ON DANGEROUS HEAVY METALS / METALLOIDS IN SOILS. <i>Dokuchaev Soil Bulletin</i> , 2011, , 56-82. | 0.1 | 8 |
| 5075 | Arsenic and Its Adjuvant Role on Oxidative Stress in Animals: A Brief Overview. <i>International Journal of Current Research in Biosciences and Plant Biology</i> , 2016, 3, 105-114. | 0.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5076 | SÃNTESIS DE ARSENIATOS DE CALCIO (GUERINITA, HAIDINGERITA Y FARMACOLITA) MORFOLÃ“GICAMENTE SIMILARES A LOS ENCONTRADOS EN SUELOS CONTAMINADOS. Revista Internacional De Contaminacion Ambiental, 2017, 33, 153-163. | 0.1 | 3 |
| 5077 | Arsenic Originating in Kusatsu Hot Springs, Gunma, Japan, and Arsenic Pollution Status of Kusatsu Rivers. Journal of Disaster Research, 2008, 3, 261-269. | 0.4 | 5 |
| 5078 | Study of arsenic (V) removal of water by using agglomerated alumina. Nova Scientia, 2019, 11, 01-25. | 0.0 | 3 |
| 5079 | Adsorption Studies with Arsenic onto Ferric Hydroxide Gel in a Non-oxidizing Environment: the Effect of Co-occurring Solutes and Speciation. Water Quality Research Journal of Canada, 2006, 41, 333-340. | 1.2 | 5 |
| 5088 | Arsenic in Shallow Aquifers Linked to the Electrical Ground Conductivity: the Mekong Delta Source Example. Geosciences Research, 2017, 2, . | 0.4 | 2 |
| 5089 | The source, characteristics and distribution of arsenic in the environment. Chemical Industry and Chemical Engineering Quarterly, 2005, 11, 44-48. | 0.4 | 5 |
| 5090 | Fuzzy model for determination and assessment of groundwater quality in the city of Zrenjanin, Serbia. Hemijska Industrija, 2015, 69, 17-28. | 0.3 | 12 |
| 5091 | HIDROQUÃMICA DE LA PRESENCIA NATURAL DE ARSÃ%NICO EN AGUAS SUBTERRÃNEAS DE ÃREAS SUBURBANAS DE COCHABAMBA-BOLIVIA Y EVALUACIÃ“N DE LA VIABILIDAD TÃ%CNICA DE PROCESOS DE REMOCIÃ“N. Investigacion & Desarrollo, 2017, 17, 27-41. | 0.3 | 3 |
| 5092 | An overview of main arsenic removal technologies. Acta Chimica Slovaca, 2018, 11, 107-113. | 0.5 | 47 |
| 5093 | Spatial Distribution and Seasonal Variation of Arsenic in Groundwater of the Kathmandu Valley, Nepal. Journal of Institute of Science and Technology, 2015, 19, 7-13. | 0.2 | 7 |
| 5103 | Major Factors Controlling Arsenic Occurrence in the Groundwater and Sediments of the Chianan Coastal Plain, SW Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2007, 18, 975. | 0.3 | 25 |
| 5104 | Urban Sustainability in Arid Climates: Challenges for Antofagasta, Chile. , 0, , . | | 2 |
| 5105 | Arsenic toxicity amelioration in rice soils by plant beneficial microbes. Oryza, 2020, 57, 70-78. | 0.2 | 2 |
| 5106 | Speciation of Arsenic from Soil Organic Matter in Abandoned Gold and Silver Mines, Korea. Journal of Applied Biological Chemistry, 2008, 51, 36-44. | 0.2 | 1 |
| 5107 | FIXED-BED COLUMN ADSORPTION OF ARSENIC(V) BY POROUS COMPOSITE OF MAGNETITE/HEMATITE/CARBON WITH EUCALYPTUS WOOD MICROSTRUCTURE. Journal of Environmental Engineering and Landscape Management, 2018, 26, 38-56. | 0.4 | 15 |
| 5108 | Phytoremediation of Arsenic by Macroalga: Implication in Natural Contaminated Water, Northeast Iran. Journal of Applied Sciences, 2007, 7, 1614-1619. | 0.1 | 14 |
| 5109 | Removing Arsenic and Antimony by Phragmites australis: Rhizofiltration Technology. Journal of Applied Sciences, 2008, 8, 1668-1675. | 0.1 | 19 |
| 5110 | Removal of Arsenic Using Acetobacter xylinum Cellulose. Journal of Biological Sciences, 2007, 8, 209-212. | 0.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5111 | Analysis of Organic Matter, Iron and Manganese in Soil of Arsenic Affected Singair Area, Bangladesh. Research Journal of Environmental Toxicology, 2009, 3, 31-35. | 1.0 | 5 |
| 5112 | Global scale arsenic pollution: increase the scientific knowledge to reduce human exposure. Vertigo: La Revue Electronique En Sciences De L'environnement, 2018, , . | 0.0 | 10 |
| 5113 | Arsenic Biotransformation as a Cancer Promoting Factor by Inducing DNA Damage and Disruption of Repair Mechanisms. Molecular Biology International, 2011, 2011, 1-11. | 1.7 | 50 |
| 5114 | Arsenic removal by coagulation using ferric chloride and chitosan from water. International Journal of Environmental Health Engineering, 2013, 2, 17. | 0.4 | 30 |
| 5115 | Hydro-geochemical evaluation of groundwater quality in Akoko North West local government area of Ondo State, Nigeria. Revista Ambiente & Água, 2012, 7, 67-80. | 0.1 | 6 |
| 5116 | Growth Characteristics and Arsenic Metabolism of an Arsenic Methylating Bacterium. Resources Processing, 2009, 56, 153-158. | 0.4 | 6 |
| 5117 | Simultaneous Separation and Quantification of Iron and Transition Species Using LC-ICP-MS. American Journal of Analytical Chemistry, 2011, 02, 675-682. | 0.3 | 19 |
| 5118 | Trace Level Arsenic Quantification through Methyl Red Bromination. American Journal of Analytical Chemistry, 2012, 03, 455-461. | 0.3 | 3 |
| 5119 | Available Approaches of Remediation and Stabilisation of Metal Contamination in Soil: A Review. American Journal of Plant Sciences, 2018, 09, 2033-2052. | 0.3 | 6 |
| 5120 | Environmentally Benign Adsorption Materials for Removing Arsenic from Aquatic Environment. Advances in Materials Physics and Chemistry, 2018, 08, 51-70. | 0.3 | 2 |
| 5121 | Impacts of Gold Mining on Rice Production in the Anum Valley of Ghana. Agricultural Sciences, 2014, 05, 793-804. | 0.2 | 1 |
| 5122 | Assessment of Arsenic Contamination in Deep Groundwater Resources of the Kathmandu Valley, Nepal. Journal of Geoscience and Environment Protection, 2015, 03, 79-89. | 0.2 | 4 |
| 5123 | Adsorbent for Arsenic(V) Removal Synthesized by Radiation-Induced Graft Polymerization onto Nonwoven Cotton Fabric. International Journal of Organic Chemistry, 2012, 02, 173-177. | 0.3 | 15 |
| 5124 | Analysis of Different Rare Metals, Rare Earth Elements, and other Common Metals in Groundwater of South West Bank/Palestine by ICP/MS-Data and Health Aspects. Journal of Environmental Protection, 2013, 04, 1157-1164. | 0.3 | 10 |
| 5125 | Mobilization of Arsenic in Groundwater in the Southern Hanoi City (Vietnam) as Studied by Isotopic and Related Techniques. Journal of Environmental Protection, 2013, 04, 68-74. | 0.3 | 3 |
| 5126 | A Survey of Arsenic Level in Tube-Wells in Bam Province (Burkina Faso). Journal of Environmental Protection, 2014, 05, 1406-1410. | 0.3 | 1 |
| 5127 | Iron-Modification of Pyroclastic Material from PCCVC Eruption (Chile): Characterization and Application to Remove Arsenic from Groundwater. Journal of Environmental Protection, 2015, 06, 1124-1133. | 0.3 | 2 |
| 5128 | Arsenic Removal from Zimapan Contaminated Water Monitored by the Tyndall Effect. Journal of Environmental Protection, 2015, 06, 538-551. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5129 | Assessment of Heavy Metals in Deep Groundwater Resources of the Kathmandu Valley, Nepal. <i>Journal of Environmental Protection</i> , 2016, 07, 516-531. | 0.3 | 11 |
| 5130 | Adsorption Kinetics and Evaluation Study of Iron Oxide Nanoparticles Impregnated in Polyurethane Matrix for Water Filtration Application. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2017, 05, 298-310. | 0.1 | 4 |
| 5131 | Arsenic in Drinking Water Toxicological Risk Assessment in the North Region of Burkina Faso. <i>Journal of Water Resource and Protection</i> , 2013, 05, 46-52. | 0.3 | 10 |
| 5132 | Analysis of Different Rare Metals, and Rare Earth Metals in Harvested Rain Water in Gaza Strip/Palestine by ICP/MS-Data and Health Aspects. <i>Journal of Water Resource and Protection</i> , 2016, 08, 905-912. | 0.3 | 5 |
| 5133 | Synthesis, characterization of a multi-component metal oxide (Al _{0.88} Fe _{0.67} Zn _{0.28} O ₃) and elimination of As (III) from aqueous solution.. <i>Open Journal of Inorganic Chemistry</i> , 2011, 01, 9-15. | | 10 |
| 5134 | Immobilized Small Sized Manganese Dioxide Sand in the Remediation of Arsenic Contaminated Water. <i>Environmental Engineering Research</i> , 2014, 19, 107-113. | 1.5 | 14 |
| 5135 | Batch and continuous reactor studies for the adsorption of As(III) from wastewater using a hybrid biochar loaded with transition metal oxides: Kinetics and mass transfer analysis. <i>Environmental Engineering Research</i> , 2021, 26, 200438-0. | 1.5 | 12 |
| 5136 | Impact Assessment of Groundwater Quality using WQI and Geospatial tools: A Case Study of Islamkot, Tharparkar, Pakistan. <i>Engineering, Technology & Applied Science Research</i> , 2020, 10, 5288-5294. | 0.8 | 14 |
| 5137 | Arsenate Removal by Coagulation Using Iron Salts and Organic Polymers. <i>Ekoloji</i> , 2010, 74, 69-76. | 0.4 | 12 |
| 5138 | Zirconium(IV) Loaded Bifunctional Fiber Containing Both Phosphonate and Sulfonate as Arsenate Adsorbent. <i>Journal of Ion Exchange</i> , 2007, 18, 422-427. | 0.1 | 50 |
| 5142 | Evaluation of Groundwater Quality of Selected Boreholes in Ohaozara and Ivo Council Areas of Ebonyi State, Nigeria. <i>Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences</i> , 2016, 59, 43-51. | 0.2 | 3 |
| 5143 | Phytoremediation Potential of Kenaf (<i>Hibiscus cannabinus</i> L.), Mesta (<i>Hibiscus sabdariffa</i> L.), and Jute (<i>Corchorus capsularis</i> L.) in Arsenic-contaminated Soil. <i>Korean Journal of Environmental Agriculture</i> , 2016, 35, 111-120. | 0.0 | 28 |
| 5144 | Leaching process of arsenic from sedimentary rocks and change in leaching amount with weathering: examples from the Miocene Kawabata and Karumai Formations, central Hokkaido, Japan. <i>Journal of the Geological Society of Japan</i> , 2011, 117, 565-578. | 0.2 | 2 |
| 5145 | Screening of Some Traditional Rice Cultivars of Assam, India, for Their Response to Arsenic-Induced Abiotic Stress. <i>Acta Agrobotanica</i> , 2020, 73, . | 1.0 | 6 |
| 5146 | A Comparison of Performance of Artificial Neural Networks for Prediction of Heavy Metals Concentration in Groundwater Resources of Toyserkan Plain. <i>Avicenna Journal of Environmental Health Engineering</i> , 2017, 4, 11792-11792. | 0.3 | 11 |
| 5148 | Arsenic contamination of groundwater in Bangladesh: A review. <i>International Journal of Physical Sciences</i> , 2011, 6, . | 0.1 | 21 |
| 5149 | Arsenic distribution in environment and its bioremediation: A review. <i>International Journal of Agriculture Environment and Biotechnology</i> , 2014, 8, 189. | 0.1 | 14 |
| 5150 | Mechanism of arsenic resistance prevalent in <i>Bacillus</i> species isolated from soil and ground water sources of India. <i>Ekologija (Vilnius, Lithuania)</i> , 2011, 57, . | 0.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5151 | Water purification with activated carbons (ACs): A short reviewâ€”Influence of the textural and surface properties of ACs on the adsorptive removal of pollutantsâ€”. Tanso, 2015, 2015, 241-249. | 0.1 | 6 |
| 5152 | Chronic arsenate exposure affects amphipod size distribution and reproduction. PeerJ, 2020, 8, e8645. | 0.9 | 2 |
| 5153 | Characterization of Arsenic Sorption on Manganese Slag. Journal of the Mineralogical Society of Korea, 2013, 26, 229-244. | 0.2 | 2 |
| 5154 | An Overview of Arsenic Extraction and Speciation Techniques in Soil and Water. American Chemical Science Journal, 2015, 6, 1-15. | 0.2 | 4 |
| 5155 | Assessing Effects of Climate Change on Biogeochemical Cycling of Trace Metals in Alluvial and Coastal Watersheds. British Journal of Environment and Climate Change, 0, , 44-66. | 0.3 | 7 |
| 5156 | Biotransformation and bioaccumulation of arsenic by <i>Brevibacillus brevis</i> isolated from arsenic contaminated region of West Bengal. IOSR Journal of Environmental Science, Toxicology and Food Technology, 2013, 3, 1-10. | 0.1 | 21 |
| 5157 | Detoxification of Heavy Metals Using Marine Metal Resistant Bacteria: A New Method for the Bioremediation of Contaminated Alkaline Environments. , 2021, , 297-332. | | 3 |
| 5158 | A comprehensive study on amalgamation of sustainable solar powered distillation for arsenic and fluoride removal from groundwater. Environmental Science and Pollution Research, 2021, 28, 67909-67924. | 2.7 | 2 |
| 5160 | Highly Efficient Iron Oxide Nanoparticles Immobilized on Cellulose Nanofibril Aerogels for Arsenic Removal from Water. Nanomaterials, 2021, 11, 2818. | 1.9 | 14 |
| 5161 | Magnetite γ -lactoglobulin@Fe ₃ O ₄ nanocomposite for the extraction and preconcentration of As(III) species. Microchemical Journal, 2022, 172, 106941. | 2.3 | 2 |
| 5162 | Distribution and speciation of arsenic in seasonally stratified reservoirs: Implications for biotransformation mechanisms governing interannual variability. Science of the Total Environment, 2022, 806, 150925. | 3.9 | 8 |
| 5163 | Determination of Potentially Harmful Element (PHE) Distribution in Water Bodies in Krugersdorp, a Mining City in the West Rand, Gauteng Province, South Africa. Minerals (Basel, Switzerland), 2021, 11, 1133. | 0.8 | 4 |
| 5164 | Arsenic as a contaminant of struvite when recovering phosphorus from phosphogypsum wastewater. Journal of the Taiwan Institute of Chemical Engineers, 2021, 129, 91-96. | 2.7 | 5 |
| 5165 | Activated Carbons for Arsenic Removal from Natural Waters and Wastewaters: A Review. Water (Switzerland), 2021, 13, 2982. | 1.2 | 18 |
| 5166 | Review of drivers and threats to coastal groundwater quality in China. Science of the Total Environment, 2022, 806, 150913. | 3.9 | 60 |
| 5167 | UiO-66(Zr)-derived t-zirconia with abundant lattice defect for remarkably enhanced arsenic removal. Chemosphere, 2022, 288, 132594. | 4.2 | 30 |
| 5168 | Enhanced Bioaccumulation and Toxicity of Arsenic in Marine Mussel <i>Perna viridis</i> in the Presence of CuO/Fe ₃ O ₄ Nanoparticles. Nanomaterials, 2021, 11, 2769. | 1.9 | 2 |
| 5169 | Migration Activity of Elements in the Water of Lakes of Northwestern Russia. Geochemistry International, 2021, 59, 970-982. | 0.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5170 | Quality and human health risk assessment of uranium and other heavy metals in drinking water from Kwale County, Kenya. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 746. | 1.3 | 8 |
| 5171 | Hydrophobic natural deep eutectic solvent THY-DA as sole extracting agent for arsenic (III) removal from aqueous solutions. <i>Environmental Technology and Innovation</i> , 2021, 24, 102017. | 3.0 | 11 |
| 5172 | An integrated membrane distillation, photocatalysis and polyelectrolyte-enhanced ultrafiltration process for arsenic remediation at point-of-use. <i>Desalination</i> , 2021, 520, 115378. | 4.0 | 15 |
| 5173 | Behaviour and distribution of arsenic in seawater and suspended particulate matter in the adjacent area of the Changjiang Estuary during summer and autumn. <i>Ecotoxicology and Environmental Safety</i> , 2021, 227, 112884. | 2.9 | 14 |
| 5174 | Approaches Towards Environmental Restoration. , 2003, , 83-114. | | 1 |
| 5175 | The distribution characteristics of Sb and As in the surface sediment from the Yellow Sea and the coastal areas of Korea. <i>Journal of Environmental Science International</i> , 2003, 12, 1121-1129. | 0.0 | 2 |
| 5177 | Chemical Reactive Zones. , 2004, , 247-334. | | 0 |
| 5178 | Natural enrichment of arsenic in groundwaters of Brahmanbaria district, Bangladesh: geochemistry, speciation modeling and multivariate statistics. , 2005, , 149-160. | | 0 |
| 5179 | High arsenic concentrations in mining waters at Kank, Czech Republic. , 2005, , 49-55. | | 0 |
| 5180 | Mineralogical characteristics of the Meghna floodplain sediments and arsenic enrichment in groundwater. , 2005, , 31-40. | | 0 |
| 5181 | Geochemistry and geomicrobiology of arsenic in Holocene alluvial aquifers, USA. , 2005, , 155-162. | | 0 |
| 5182 | Comparing the arsenic sorption capacity of Bauxolite and its derivatives with other sorbents. , 2005, , 223-235. | | 3 |
| 5183 | Arsenic pollution in groundwater of West Bengal, India. , 2005, , 25-29. | | 3 |
| 5184 | Natural arsenic in the groundwater of the alluvial aquifers of Santiago del Estero Province, Argentina. , 2005, , 57-65. | | 2 |
| 5185 | Fluxes of arsenic in soil-water system in the Celina-Mokrsko gold district, Bohemian Massif. , 2005, , 927-930. | | 1 |
| 5186 | Sorption and kinetics of abiotic arsenic(III) oxidation by aquifer materials. <i>Geochimica Et Cosmochimica Acta</i> , 2005, , . | 1.6 | 0 |
| 5188 | Hydrogeochemistry of high arsenic groundwater from Hangjinhouqi of Hetao Plain, Inner Mongolia. , 2007, , . | | 0 |
| 5189 | Hydrochemistry of arsenic in different parts of deltaic environment. , 2007, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5191 | Arsenic contaminated drinking water and nutrition status in Bagahi village, Terai region, Nepal. , 2008, , 371-380. | | 0 |
| 5192 | Exploiting precipitation of naturally occurring iron against arsenicosis. , 2008, , 359-370. | | 0 |
| 5193 | Bioremoval of arsenic by green alga. , 2008, , 413-420. | | 0 |
| 5194 | Bioremoval of arsenic by green alga. , 2008, , . | | 0 |
| 5195 | Exploiting precipitation of naturally occurring iron against arsenicosis. , 2008, , . | | 0 |
| 5196 | Arsenic contaminated drinking water and nutrition status in Bagahi village, Terai region, Nepal. , 2008, , . | | 0 |
| 5197 | Geogenic arsenic in an Australian sedimentary aquifer. Arsenic in the Environment, 2008, , 193-203. | 0.0 | 0 |
| 5198 | Mineralogical study of arsenic-enriched aquifer sediments at Santiago del Estero, Northwest Argentina. Arsenic in the Environment, 2008, , 61-67. | 0.0 | 1 |
| 5199 | Two-step in situ decontamination of mine water enriched with arsenic and iron. Arsenic in the Environment, 2008, , 547-554. | 0.0 | 0 |
| 5200 | Arsenic in a Triassic sandstone aquifer, CastellÃ³n, Spain. Arsenic in the Environment, 2008, , 205-213. | 0.0 | 0 |
| 5201 | Arsenic mobilization in aquatic sediments of an impacted mining area, north-central Mexico. Arsenic in the Environment, 2008, , 171-178. | 0.0 | 0 |
| 5202 | Dissolution kinetics of arsenopyrite and its implication on arsenic speciation in the environment. Arsenic in the Environment, 2008, , 273-280. | 0.0 | 0 |
| 5203 | Geogenic enrichment of arsenic in histosols. Arsenic in the Environment, 2008, , 285-293. | 0.0 | 0 |
| 5204 | Temporal variations of groundwater arsenic concentrations in southwest Bangladesh. Arsenic in the Environment, 2008, , 225-231. | 0.0 | 0 |
| 5205 | Methylated Organic Metabolites of Arsenic and their Cardiovascular Toxicities. Toxicological Research, 2008, 24, 161-167. | 1.1 | 1 |
| 5206 | Characterization of Fe-treated clays as effective As sorbents. Arsenic in the Environment, 2008, , 511-520. | 0.0 | 0 |
| 5207 | Arsenic and water quality of rural community wells in San Juan de Limay, Nicaragua. Arsenic in the Environment, 2008, , 123-128. | 0.0 | 0 |
| 5208 | Contamination of drinking water supply with geothermal arsenic. Arsenic in the Environment, 2008, , 179-190. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5209 | Arsenic Contamination After Wood Impregnation: Speciation, Sorption and Leaching. Alliance for Global Sustainability Bookseries, 2009, , 287-297. | 0.2 | 2 |
| 5210 | Pollutant Speciation in Water and Related Environmental Treatment Issues. Neutron Scattering Applications and Techniques, 2009, , 491-520. | 0.2 | 0 |
| 5211 | RESPONSE OF <I>MICROCYSTIS AERUGINOSA</I> TO ARSENATE UNDER DIFFERENT PHOSPHATE REGIMES. Acta Hydrobiologica Sinica, 2009, 33, 890-895. | 0.1 | 0 |
| 5213 | Natural Arsenic in Coastal Groundwaters in the Bengal Delta Region in West Bengal, India. , 2010, , 146-160. | | 1 |
| 5214 | ENVision: Visualizing Water Quality from Geographically Distributed Wells. , 2010, , . | | 0 |
| 5215 | Arsenic Content in and Uptake by Plants from Arsenic-Contaminated Soil. NATO Science for Peace and Security Series C: Environmental Security, 2010, , 135-145. | 0.1 | 2 |
| 5216 | Arsenic removal from water using magnetites. Arsenic in the Environment, 2010, , 81-94. | 0.0 | 0 |
| 5217 | Arsenic and boron in geothermal water and their removal. , 2010, , 131-148. | | 0 |
| 5218 | Arsenic metabolism and arsenic speciation. , 2010, , 318-331. | | 0 |
| 5219 | Assessment of arsenic contaminations, policy and protection. , 2010, , 367-388. | | 0 |
| 5222 | Remediation of Heavy Metal Contaminated Soils. Books in Soils, Plants, and the Environment, 2010, , 175-194. | 0.1 | 0 |
| 5223 | A Combined RBF and ASR System for Providing Drinking Water in Water Scarce Areas. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 29-49. | 0.1 | 0 |
| 5224 | Reduction and Retardation of Arsenic and Boron Leached from Excavated Rocks by Volcanic Ash Adsorption Layer. Journal of the Japan Society of Engineering Geology, 2011, 52, 88-96. | 0.1 | 5 |
| 5225 | Assessment of Arsenic Exposure to Human, Concentrations in Tube Well Water and Urine, and Body Mass Index. International Journal of Environmental Science and Development, 0, , 38-44. | 0.2 | 1 |
| 5226 | A Study on Arsenic Methylation by Microorganisms in Sludge Tank of Arsenic Removal Unit. Resources Processing, 2011, 58, 141-145. | 0.4 | 0 |
| 5227 | Geochemical and Mineralogical Characterization of Arsenic-Contaminated Soil at Chonam Gold Mine, Gwangyang. Economic and Environmental Geology, 2011, 44, 203-215. | 0.2 | 5 |
| 5228 | SEDIMENT PORE-WATER INTERACTIONS ASSOCIATED WITH ARSENIC AND URANIUM TRANSPORT WITHIN A URANIUM MINING-IMPACTED WATERSHED IN SOUTH DAKOTA. Journal of the American Society of Mining and Reclamation, 2011, 2011, 618-634. | 0.3 | 0 |
| 5230 | Arsenic methylation is associated with breast cancer risk in northern Mexico. ISEE Conference Abstracts, 2011, 2011, . | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5231 | Efficient methods for arsenic removal from groundwater. International Journal of Safety and Security Engineering, 2011, 1, 326-342. | 0.5 | 1 |
| 5233 | Fe-Oxides in Water Remediation Technologies. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 269-276. | 0.5 | 0 |
| 5234 | Adsorption of Arsenite onto Kemiron. African Journal of Environmental Science and Technology, 2011, 5, . | 0.2 | 0 |
| 5235 | Adsorption of As by Fe_2O_3 and the Effect of Temperature. Kagaku Kogaku Ronbunshu, 2012, 38, 318-323. | 0.1 | 4 |
| 5236 | Arsenic dans les eaux destinées à la consommation humaine: actions menées dans les Alpes-Maritimes pour respecter la réglementation. European Journal of Water Quality, 2012, 43, 89-116. | 0.2 | 0 |
| 5237 | Monitoring of Heavy Metal Concentration in Groundwater of Mamundiyyar Basin, India. , 0, , . | | 0 |
| 5238 | Spatial variability of arsenic in relation with some soil forming factors. African Journal of Biotechnology, 2012, 11, . | 0.3 | 0 |
| 5239 | COMPARATIVE ASSESSMENT OF SORPTION PROPERTIES OF COMMERCIALY AVAILABLE AND EXPERIMENTAL HYBRID MATERIALS AIMED TO IMPURITIES OF As (III) AND As (V) IN WATER. Water and Water Purification Technologies Scientific and Technical News, 2012, 7, 21-30. | 0.1 | 1 |
| 5241 | Bioavailability and bio-accessibility of arsenic for ecological and human health risk assessment. Arsenic in the Environment Proceedings, 2012, , 3-10. | 0.0 | 0 |
| 5242 | Arsenic in soil-rice systems. Arsenic in the Environment Proceedings, 2012, , 496-498. | 0.0 | 0 |
| 5243 | Arsenic in the geosphere meets the anthroposphere. Arsenic in the Environment Proceedings, 2012, , 15-19. | 0.0 | 0 |
| 5244 | Arsenic distribution in the vadose zone of arid basins. Arsenic in the Environment Proceedings, 2012, , 537-538. | 0.0 | 0 |
| 5245 | Feasibility Study of the Use of Recycled Crushed Glass to Remove Arsenic from Solution. , 2012, , . | | 0 |
| 5246 | Physico-Chemical and Heavy Metals in the Groundwater Samples Collected from Arsenic Endemic Areas of Shuklaganj (Unnao). Advances in Life Sciences, 2012, 2, 131-138. | 1.0 | 0 |
| 5248 | Overview of Arsenic Distribution in some Part of Biu Volcanic Province North-Eastern Nigeria. Earth Sciences, 2013, 2, 145. | 0.1 | 2 |
| 5249 | Altered Growth, Photosynthetic Machinery and Induced Oxidative Stress in Spinach in Response to Arsenic Stress. Journal of Plant Physiology & Pathology, 2013, 01, . | 0.1 | 2 |
| 5250 | Temporal Relationship of Environmental Arsenic and M. ulcerans Infection in the Amansie West District. Pharmacologia, 2013, 4, 320-326. | 0.3 | 0 |
| 5251 | Fractionation and Speciation Analysis of Antimony in Atmospheric Aerosols and Related Matrices. , 2013, , 349-370. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5252 | A Study of Physicochemical and Mineralogical Properties of Heavy Metal Contaminated-Soil Particles from the Kangwon and Donghae Mines. <i>Journal of the Mineralogical Society of Korea</i> , 2013, 26, 197-207. | 0.2 | 3 |
| 5253 | Application of a Soil Separation System for the Remediation of Arsenic Contaminated Soil in a Metal Mining Area. <i>Journal of Soil and Groundwater Environment</i> , 2013, 18, 56-64. | 0.1 | 1 |
| 5254 | Study on the Properties of Removal of As and Cd on Tailing of Geumpung Mine Using Xanthate Collector. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2013, 50, 625-630. | 0.1 | 0 |
| 5255 | Study on the Removal As from the Tailing of Sangdong Mine using Froth Flotation. <i>Journal of the Korean Institute of Resources Recycling</i> , 2013, 22, 43-49. | 0.4 | 1 |
| 5256 | Behavior and Geochemical Characteristics of Au and Heavy Metals in the Water System at the Abandoned Bonjeong Gold Mine. <i>Journal of Engineering Geology</i> , 2013, 23, 363-373. | 0.1 | 0 |
| 5257 | Selected Research Findings: Contaminant Transport. , 2014, , 285-345. | | 0 |
| 5259 | Characteristics of the Arsenic-Methylating Bacterium <i>Cellulomonas</i> sp. Strain K63. <i>Resources Processing</i> , 2014, 61, 162-169. | 0.4 | 5 |
| 5260 | Distribution of the Total Arsenic Content in Drinking Water Obtained from Different Water Sources in the Republic of Macedonia. <i>Journal of Food and Nutrition Sciences</i> , 2014, 2, 146. | 0.2 | 2 |
| 5261 | Arsenite Removal from Aqueous Solution using Mixed Mineral Systems Injected with Iron Sulfide under Sulfidic-Anoxic condition II. The role of solution composition and ageing. <i>IOSR Journal of Environmental Science, Toxicology and Food Technology</i> , 2014, 8, 164-171. | 0.1 | 1 |
| 5263 | Leaching of Arsenic in Soils Amended with Crushed Arsenopyrite Rock. <i>Han'guk T'oyang Piryu Hakhoe Chi Han'guk T'oyang Piryu Hakhoe</i> , 2014, 47, 113-119. | 0.1 | 0 |
| 5264 | Arsenic attenuation in aqueous phase is linked with stabilization onto Fe minerals in a high Andean watershed. <i>Arsenic in the Environment Proceedings</i> , 2014, , 90-92. | 0.0 | 0 |
| 5265 | Arsenic mobilization in the unsaturated zone. <i>Arsenic in the Environment Proceedings</i> , 2014, , 93-94. | 0.0 | 0 |
| 5266 | Preparation of Metal Immobilized Orange Waste Gel for Arsenic(V) Removal From Water. <i>Aceh International Journal of Science and Technology</i> , 2014, 3, . | 0.1 | 1 |
| 5267 | Effect of Arsenic Types in Soil on Growth and Arsenic Accumulation of <i>Pteris multifida</i> . <i>Korean Journal of Plant Resources</i> , 2014, 27, 344-353. | 0.2 | 2 |
| 5268 | Multiple-Reaction Approaches. , 2014, , 158-173. | | 0 |
| 5269 | Sustainable Water Management. , 2014, , 73-108. | | 0 |
| 5271 | Microbial in-situ mitigation of arsenic contamination in plants and soils. <i>Arsenic in the Environment</i> , 2014, , 115-143. | 0.0 | 3 |
| 5272 | Numerical modeling of arsenic mobility. <i>Arsenic in the Environment</i> , 2014, , 35-52. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5273 | Uptake and Accumulation of Arsenate on Lettuce (<i>Lactuca sativa</i> L.) Grown in Soils Mixed with Various Rates of Arsenopyrite Gravel. <i>Hang'uk Jakmul Hakhoe Chi</i> , 2014, 59, 532-538. | 0.2 | 0 |
| 5274 | An Insight into the Spatio-vertical Heterogeneity of Dissolved Arsenic in Part of the Bengal Delta Plain Aquifer in West Bengal (India). , 2015, , 161-177. | | 0 |
| 5275 | Occurrence of Arsenic, Strontium, and Selenium in Drinking Water in Kyungpook Province, Korea, in Relation to Geologic Formations. <i>Journal of the Korean Geoenvironmental Society</i> , 2015, 16, 55-60. | 0.1 | 1 |
| 5276 | The Fate and Factors Determining Arsenic Mobility of Arsenic in Soil-A Review. <i>Han'guk T'oyang Piryō Hakhoe Chi Han'guk T'oyang Piryō Hakhoe</i> , 2015, 48, 73-80. | 0.1 | 6 |
| 5277 | Environmental Conditions Affecting Iron Sulfides Reactivity and Transformation of Iron Oxyhydroxide Compounds. <i>Current Inorganic Chemistry</i> , 2015, 5, 225-232. | 0.2 | 0 |
| 5278 | Influence of Functional Foods in Combating Arsenic Toxicity. , 2015, , 481-490. | | 0 |
| 5279 | Geochemistry of Arsenic and Toxic Response. , 2015, , 96-129. | | 0 |
| 5280 | Characterization of Mineralogical and Physicochemical Properties of Soils Contaminated with Metals at Gahak Mine. <i>Journal of Soil and Groundwater Environment</i> , 2015, 20, 83-89. | 0.1 | 1 |
| 5281 | Evaluation of As mobilization from abandoned mine wastes of a semi-arid area (Rodalquilar, Almería). <i>Ecosistemas</i> , 2015, 24, 76-89. | 0.2 | 2 |
| 5282 | Effect of Extremely High Specific Flow Rates on the Ion- Exchange Resin Sorption Characteristics. , 0, , . | | 1 |
| 5283 | Batch Studies On Arsenic Adsorption Onto Lignite, Bentonite, Shale And Iron Sand: Effects Of Ph, Time, Particle Size And Sulfate Concentration. <i>Journal of Southeast Asian Applied Geology</i> , 2015, 4, . | 0.1 | 0 |
| 5287 | Pilot plant study of an innovative remediation technology for volume reduction of naturally occurring arsenic-contaminated soils. <i>Japanese Geotechnical Journal</i> , 2016, 11, 315-325. | 0.0 | 4 |
| 5288 | Synthesis and Evaluation of Mn-Fe Binary Oxide Adsorbents for Arsenic Removal. , 2016, , . | | 0 |
| 5289 | Correlation between Iron Reducibility in Natural and Iron-Modified Clays and Its Adsorptive Capability for Arsenic Removal. <i>Advances in Materials Physics and Chemistry</i> , 2016, 06, 129-139. | 0.3 | 1 |
| 5290 | Inorganic and Bioinorganic Speciation Analysis: Problems and Prospects. , 2016, , 333-370. | | 2 |
| 5291 | Column filled with Fe-GAC and GAC to remove both As(V) and Fe(III). <i>Journal of the Korean Society of Water and Wastewater</i> , 2016, 30, 87-97. | 0.3 | 0 |
| 5292 | Arsenic Pollution Study at Nitra-KrÅ;ka Ny Location as an Example of Line Contamination. <i>Acta Regionalia Et Environmentalica</i> , 2016, 13, 6-11. | 0.1 | 0 |
| 5293 | Relationship between composition of Fe-based LDHs and their adsorption performances for arsenate in aqueous solutions. <i>Arsenic in the Environment Proceedings</i> , 2016, , 467-469. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5294 | Oxidation of arsenite by using aerobic bacterial granules: A comparison with single bacterial culture. Arsenic in the Environment Proceedings, 2016, , 119-120. | 0.0 | 0 |
| 5295 | Arsenic removal by acid tolerant sulfate reducing bacteria in a semiarid system. Arsenic in the Environment Proceedings, 2016, , 205-206. | 0.0 | 0 |
| 5296 | Leaching of arsenic from waste deposits at La Aurora mine, XichÃ© mining district, Guanajuato, Mexico: Characterization and remediation. Arsenic in the Environment Proceedings, 2016, , 209-210. | 0.0 | 0 |
| 5297 | Enrichment of high arsenic groundwater and controlling hydrogeochemical processes in the Hetao basin. Arsenic in the Environment Proceedings, 2016, , 82-83. | 0.0 | 0 |
| 5298 | Solid-phase speciation of arsenic in abandoned mine wastes from the northern Puna of Argentina using X-ray absorption spectroscopy. Arsenic in the Environment Proceedings, 2016, , 265-267. | 0.0 | 0 |
| 5299 | Selective Removal of Arsenic Compounds from the Contaminated Paddy Soil in China Using Froth Flotation Technique. Daehan Hwan'gyeong Gonghag Hoeji, 2016, 38, 343-352. | 0.4 | 1 |
| 5300 | Insights into Microbe Mediated Arsenic Release to Groundwater Focusing on Bangladesh and India. Journal of Bacteriology & Mycology Open Access, 2016, 2, . | 0.2 | 0 |
| 5301 | ArzÃ©nkezelÃ©s hatÃ©sa zÃ©ldborsÃ© ³ (Pisum sativum L.) arzÃ©n-Ã©s foszforkoncentrÃ©ciÃ©jÃ©ira, valamint szÃ©razanyag-produktumÃ©ira. Agrokemia Es Talajtan, 2016, 65, 275-295. | 0.1 | 0 |
| 5302 | OBSOLETE: Arsenic. , 2017, , . | | 0 |
| 5303 | PYRITE BIOMINERALIZATION AND ARSENIC SEQUESTRATION AT A FLORIDA INDUSTRIAL SITE: IMAGING AND GEOCHEMICAL ANALYSIS. , 2017, , . | | 0 |
| 5304 | Sorption of As ⁵⁺ from aqueous solution by lepidocrocite (Fe ₃ O ₄) nanoparticle. Tap Chi Khoa Hoc = Journal of Science, 2017, 05, 87. | 0.1 | 0 |
| 5305 | MÃ©todos geoestadÃ©sticos para la elaboraciÃ©n de mapas de probabilidad de riesgo hidrogeotÃ©xico (HGT) por altas concentraciones de As en las aguas subterrÃ©neas. AplicaciÃ©n a la distribuciÃ©n de HGT en la provincia de Ãvila (EspaÃ±a). IngenierÃ©a Del Agua, 2017, 21, 71. | 0.2 | 0 |
| 5306 | Evaluation of Cadmium, Arsenic, Mercury, Lead, Nickel and Speciated Organometallic Compounds in Tilapia guineensis, Sarotherodon melanotheron and Mullet (Liza falcipinnis) Found in Buguma River, Rivers State, Nigeria. Journal of Environmental Science and Public Health, 2017, 01, 57-67. | 0.1 | 0 |
| 5307 | Removal of As(III) and As(V) with Fe-Al type Composite Oxides. Kagaku Kogaku Ronbunshu, 2017, 43, 193-198. | 0.1 | 1 |
| 5308 | Trace Metal Contamination. , 2017, , 2364-2368. | | 1 |
| 5309 | Photocatalytic Oxidation of Arsenite Using Goethite and UV LED. Daehan Hwan'gyeong Gonghag Hoeji, 2017, 39, 9-18. | 0.4 | 3 |
| 5310 | EVALUATING SOURCES OF ARSENIC IN GROUNDWATER IN VIRGINIA USING A LOGISTIC REGRESSION MODEL. , 2017, , . | | 0 |
| 5311 | Arsenic: Southeast Asia. , 2017, , 161-167. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5312 | Prospects of Combating Arsenic: Physico-chemical Aspects. , 2017, , 103-121. | | 3 |
| 5313 | Assessment of Adsorbent Candidates for Treatment of Groundwater Contaminated with Geogenic Arsenic in Developing Countries “ Based on Cost, Availability, and Effectiveness. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2017, 54, 541-548. | 0.1 | 0 |
| 5315 | Low-Temperature Geochemistry. Encyclopedia of Earth Sciences Series, 2018, , 828-835. | 0.1 | 1 |
| 5316 | The Fate of arsenic in Noah’s Flood. The Proceedings of the International Conference on Creationism, 2018, 8, 229-237. | 0.0 | 0 |
| 5317 | Ferric hydroxide-based media for removal of toxic arsenic species. Kinetic, equilibrium and thermodynamic studies. Environmental Protection Engineering, 2018, 44, . | 0.1 | 0 |
| 5318 | Geogenic versus Anthropogenic Metals and Metalloids. Journal of Environmental Protection, 2018, 09, 468-500. | 0.3 | 1 |
| 5319 | ASSESSMENT OF ARSENIC CONTAMINATION IN THE RED RIVER: HIGH RESOLUTION MONITORING COUPLED WITH SPATIAL ANALYSIS BY GIS. Science and Technology, 2018, 51, 779. | 0.1 | 0 |
| 5320 | IDENTIFIKASI SEBARAN LOGAM BERAT ARSEN (As) DARI SISTEM PANAS BUMI PADA AIR TANAH DANGKAL DENGAN METODE KRIGING. Jurnal Teknik Lingkungan, 2018, 24, 27-40. | 0.0 | 1 |
| 5321 | PÄ°RHÄœSEYÄ°N VE YALINCAK KÄ–YLERÄ° (HAFÄ°K, SÄ°VAS) DOLAYLARINDAKÄ° SULARIN ARSENÄ°K KONSANTRASYONLARININ BELÄ°RLENMESÄ°. Ä–mer Halisdemir Äcniversitesi MÄ¼hendislik Bilimleri Dergisi, 0, , . | 0.2 | 2 |
| 5322 | Numerical modeling of arsenic mobility. , 2018, , 69-86. | | 0 |
| 5323 | Microbial in-situ mitigation of arsenic contamination in plants and soils. , 2018, , 149-178. | | 0 |
| 5324 | Estimation of Potential of the Ground Water Arsenic Contamination in Sanandaj Area Using Artificial Neural Network Model. MuhandisÄ«i BihdÄsht-i Muá¥Ä«á¹; 2018, 6, 84-98. | 0.1 | 0 |
| 5325 | Knowledge Gaps and Research Needs in Bacterial Co-Resistance in theÄEnvironment. , 2019, , 39-59. | | 1 |
| 5326 | Identification of the Source Mineral Releasing Arsenic in the Groundwater of the Indo-Gangetic Plain, India. , 2019, , 247-283. | | 0 |
| 5327 | Reference on Rice Quality and Safety. Impact of Meat Consumption on Health and Environmental Sustainability, 2019, , 226-274. | 0.4 | 2 |
| 5328 | Toxic Elements in Bangladesh’s Drinking Water. Microorganisms for Sustainability, 2019, , 273-296. | 0.4 | 0 |
| 5330 | Effects of Microorganism and Fe-Nanoparticles on Mobility of Arsenate in Columns Filled with Glass Beads or Natural Soil. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2019, 56, 121-128. | 0.1 | 0 |
| 5331 | Chemical and mineralogical properties of post-mining sites in two gold mining concessions in Ghana. Telos: Revista De Estudios Interdisciplinarios En Ciencias Sociales, 2019, 6, 1-14. | 0.4 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 5332 | Cin tica de la adsorci n de fluoruro y ars nico usando nano-fibras de al mina. CienciaUAT, 2019, 14, 45. | 0.3 | 1 |
| 5333 | Water Quality Under the Changing Climatic Condition: A Review of the Indian Scenario. Springer Transactions in Civil and Environmental Engineering, 2020, , 31-61. | 0.3 | 1 |
| 5334 | Modifiye Edilmi  Pomza Kullan larak Sulu Ortamlardan Adsorpsiyon Prosesi ile Arsenat (V) Giderimi. Journal of Natural and Applied Sciences, 0, , 80-90. | 0.1 | 4 |
| 5335 | Hydrogeochemical Investigation and Health Perspective of Arsenic in the Mid-Brahmaputra Floodplain of Assam, India. Springer Transactions in Civil and Environmental Engineering, 2020, , 143-158. | 0.3 | 0 |
| 5336 | Heavy Metal Accumulation in Wetland Plants and Water-Sediment Relationship in K pr ren-K taha. Journal of Limnology and Freshwater Fisheries Research, 0, , 76-82. | 0.4 | 0 |
| 5337 | Identification of Arsenic Hazard Locations and Impact on Children A Case Study on Baruipur Block, South 24 Parganas, West Bengal. Disaster Risk Reduction, 2020, , 427-449. | 0.2 | 0 |
| 5338 | HAZARDOUS POLLUTANTS IN POTABLE GROUNDWATER SOURCES OF PUBLIC SCHOOLS, SOUTHERN PUNJAB (PAKISTAN). Revista Internacional De Contaminacion Ambiental, 2019, 35, 797-805. | 0.1 | 2 |
| 5339 | Content of inorganic elements in rice grain depending on irrigation methods. Plant Varieties Studying and Protection, 2019, 15, 417-423. | 0.1 | 0 |
| 5340 | Dynamics of Arsenic in Rivers Caused by Mt. Ioyama Eruption, Miyazaki Prefecture. Journal of Environmental Chemistry, 2019, 29, 183-188. | 0.1 | 2 |
| 5341 | Effects of Arsenic Toxicity on the Environment and Its Remediation Techniques: A Review. Journal of Water and Environment Technology, 2020, 18, 275-289. | 0.3 | 22 |
| 5342 | Speciation distribution and risk assessment of Hg and As in sediment of Lake Caohai wetlands under different water level gradients, Guizhou Province. Hupo Kexue/Journal of Lake Sciences, 2020, 32, 100-110. | 0.3 | 2 |
| 5343 | The controlling of paleo-riverbed migration on Arsenic mobilization in groundwater in the Red River Delta, Vietnam. Vietnam Journal of Earth Sciences, 2020, 42, 161-175. | 1.0 | 0 |
| 5344 | Effect of arsenate on germination and early development parameters of three forage leguminous plants. Revista De Ciencias Agroveterinarias, 2020, 19, 236-244. | 0.0 | 1 |
| 5345 | Carcinogenic Nature of Emerging Contaminants: Havoc for Present and Gateway of Unhealthy Future. Springer Transactions in Civil and Environmental Engineering, 2021, , 159-175. | 0.3 | 0 |
| 5346 | Biorremedia o de solos contaminados com ars nio por meio de lavagem de solo usando biosurfactantes. Engenharia Sanitaria E Ambiental, 2020, 25, 543-553. | 0.1 | 0 |
| 5348 | Rational synthesis of BiFe1-xVO4 heterostructures impregnated sulfur-doped g-C3N4: A visible-light-driven type-II heterojunction photo(electro)catalyst for efficient photodegradation of roxarsone and photoelectrochemical OER reactions. Applied Catalysis B: Environmental, 2022, 304, 120852. | 10.8 | 46 |
| 5349 | Interconnected soil iron and arsenic speciation effects on arsenic bioaccessibility and bioavailability: a scoping review. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2022, 25, 1-22. | 2.9 | 13 |
| 5350 | Potentially Mobilizable Geogenic As and Sb in an Agricultural Wetland Soil. Geosciences (Switzerland), 2021, 11, 444. | 1.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5351 | Drivers of biomagnification of Hg, As and Se in aquatic food webs: A review. <i>Environmental Research</i> , 2022, 204, 112226. | 3.7 | 36 |
| 5352 | Recent trend in nanoparticle research in regulating arsenic bioaccumulation and mitigating arsenic toxicity in plant species. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2021, 30, 793-812. | 0.9 | 8 |
| 5353 | Comparative study of silicon and selenium to modulate chloroplast pigments levels, Hill activity, photosynthetic parameters and carbohydrate metabolism under arsenic stress in rice seedlings. <i>Environmental Science and Pollution Research</i> , 2022, 29, 19508-19529. | 2.7 | 14 |
| 5354 | Effects of Phosphate Competition on Arsenate Binding to Aluminum Hydroxide Surfaces. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 3140-3149. | 1.2 | 1 |
| 5355 | Surface Water Sediments Characterization Using Metallic Trace Elements (MTEs): Case of the Artisanal Gold Mining Sites of Kokumbo (Côte d'Ivoire). <i>Journal of Environmental Protection</i> , 2020, 11, 649-663. | 0.3 | 1 |
| 5356 | Natural occurrence of arsenic in the soil and rice plant system in the Bashkandi Block of Barak Valley, Assam, Northeastern India. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1. | 0.6 | 1 |
| 5358 | Arsenic Mobilization Process in Shallow Aquifer of Bengal Delta Plain: A Field Scale Study to Identify the Role of Coliform Bacteria. <i>Journal of Biomedical Research & Environmental Sciences</i> , 2020, 1, 372-382. | 0.1 | 0 |
| 5359 | Arsenic polluted waters: Application of geochemical modelling as a tool to understand the release and fate of the pollutant in crystalline aquifers. <i>Journal of Environmental Management</i> , 2022, 301, 113796. | 3.8 | 41 |
| 5360 | A combination approach using two functionalized magnetic nanoparticles for speciation analysis of inorganic arsenic. <i>Talanta</i> , 2022, 237, 122939. | 2.9 | 10 |
| 5361 | Integrating SNPs-based genetic risk factor with blood epigenomic response of differentially arsenic-exposed rural subjects reveals disease-associated signaling pathways. <i>Environmental Pollution</i> , 2022, 292, 118279. | 3.7 | 8 |
| 5362 | Dual anion colorimetric and fluorometric sensing of arsenite and cyanide ions involving MLCT and CHEF pathways. <i>Journal of Molecular Structure</i> , 2022, 1250, 131677. | 1.8 | 13 |
| 5363 | Wässrige Lösungen und die Hydrosphäre. , 2020, , 63-85. | | 0 |
| 5364 | Apparent molar volumes of sodium arsenate aqueous solution from 283.15 K to 363.15 K at ambient pressure: an experimental and thermodynamic modeling study. <i>Pure and Applied Chemistry</i> , 2020, 92, 1673-1682. | 0.9 | 5 |
| 5365 | Protective effect of <i>Mucuna pruriens</i> against arsenic-induced liver and kidney dysfunction and neurobehavioral alterations in rats. <i>Veterinary World</i> , 2020, 13, 1555-1566. | 0.7 | 4 |
| 5366 | Sources of Heavy Metal in Indoor Air Quality. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020, , 203-210. | 0.3 | 5 |
| 5367 | Water Quality Assessment Techniques. <i>Sustainable Agriculture Reviews</i> , 2020, , 179-216. | 0.6 | 1 |
| 5368 | Nanoscale Zero-Valent Iron Particles for Water Treatment: From Basic Principles to Field-Scale Applications. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 19-52. | 0.2 | 4 |
| 5369 | Evaluation of Lead and Cadmium Contamination in the Zayandeh Rud River. , 2020, , 225-238. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5370 | A Critical Evaluation of the Role of Geotectonics in Groundwater Arsenic Contamination. Springer Natural Hazards, 2021, , 201-222. | 0.1 | 1 |
| 5371 | Effect of Soil Washing Using Oxalic Acid on Arsenic Speciation and Bioaccessibility in Soils. Daehan Hwan'gyeong Gonghag Hoeji, 2020, 42, 218-227. | 0.4 | 2 |
| 5372 | Bifunctional Ionic Covalent Organic Networks for Enhanced Simultaneous Removal of Chromium(VI) and Arsenic(V) Oxoanions via Synergetic Ion Exchange and Redox Process. Small, 2021, 17, e2104703. | 5.2 | 13 |
| 5373 | Examples in the detection of heavy metal ions based on surface-enhanced Raman scattering spectroscopy. Nanophotonics, 2021, 10, 4419-4445. | 2.9 | 26 |
| 5374 | Climatic control of major and trace elements in paddy soils from wet and dry regions of Sri Lanka. Environmental Challenges, 2021, 5, 100361. | 2.0 | 6 |
| 5375 | Study on antimony and arsenic cycling, transformation and contrasting mobility in river-type reservoir. Applied Geochemistry, 2022, 136, 105132. | 1.4 | 12 |
| 5376 | Insights into recent advances of chitosan-based adsorbents for sustainable removal of heavy metals and anions. Arabian Journal of Chemistry, 2022, 15, 103543. | 2.3 | 117 |
| 5377 | Effects of Environmental Factors on the Leaching and Immobilization Behavior of Arsenic from Mudstone by Laboratory and In Situ Column Experiments. Minerals (Basel, Switzerland), 2021, 11, 1220. | 0.8 | 11 |
| 5378 | Nonpoint source arsenic contamination of soil and groundwater from legacy pesticides. Journal of Environmental Quality, 2022, 51, 66-77. | 1.0 | 6 |
| 5379 | Anthropogenic dominance on geogenic arsenic problem of the groundwater in the Ganga-Brahmaputra floodplain: A paradox of origin and mobilization. Science of the Total Environment, 2022, 807, 151461. | 3.9 | 23 |
| 5380 | Development of an amperometric sensor based on the synergistic action between alginic acid and nPEDOT on a gold nanoparticle-modified screenâ€“printed carbon electrode for As(III) determination in natural water samples. International Journal of Electrochemical Science, 0, , ArticleID:211235. | 0.5 | 0 |
| 5381 | Life Cycle Assessment of Water in Sport Equine Production in Argentina: A Case Study. Agriculture (Switzerland), 2021, 11, 1084. | 1.4 | 2 |
| 5382 | DISEÃ“O E IMPLEMENTACIÃ“N DE UN SISTEMA DE TRATAMIENTO PARA LA REMOCIÃ“N DE ARSÃ‰NICO DEL AGUA DE CONSUMO EN EL ALTIPLANO Y VALLES DE BOLIVIA. Investigacion & Desarrollo, 2020, 20, 23-39. | 0.3 | 0 |
| 5385 | Electroanalytical Techniques for the Remediation of Heavy Metals from Wastewater. Environmental Chemistry for A Sustainable World, 2021, , 471-511. | 0.3 | 11 |
| 5386 | Electrochemical conversion pathways and existing morphology of arsenic(III) in anode-cathode separated electrolytic cells. Water Science and Technology: Water Supply, 2021, 21, 46-58. | 1.0 | 1 |
| 5387 | ARSENIC POLLUTION AND REMEDIAL MEASURES IN WEST BENGAL: AN OVERVIEW. , 2020, , 52-56. | | 0 |
| 5388 | Evaluation of Arsenic Concentration in Poultry and Calf Meat Samples by Hydride Generation Atomic Fluorescence Spectrometry. Gazi University Journal of Science, 2021, 34, 396-404. | 0.6 | 2 |
| 5390 | Potential Role of Vitrification and Waste Vitrification in the Circular Economy. PoliTO Springer Series, 2021, , 325-343. | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5391 | Role of climate and geography in arsenic mobility and risk at an artisanal mining site in an urbanized semi-arid environment. <i>Journal of Environmental Management</i> , 2022, 304, 114163. | 3.8 | 1 |
| 5392 | Generalised Equation for the Effect of pH on Arsenic Removal Efficiency Using Natural Adsorbents. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1. | 1.1 | 0 |
| 5393 | Interactions with Arsenic: Mechanisms of Toxicity and Cellular Resistance in Eukaryotic Microorganisms. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12226. | 1.2 | 17 |
| 5394 | Inhibition of methanogenesis leads to accumulation of methylated arsenic species and enhances arsenic volatilization from rice paddy soil. <i>Science of the Total Environment</i> , 2022, 818, 151696. | 3.9 | 10 |
| 5395 | In situ arsenic immobilisation for coastal aquifers using stimulated iron cycling: Lab-based viability assessment. <i>Applied Geochemistry</i> , 2022, 136, 105155. | 1.4 | 7 |
| 5396 | Nanofiltration for drinking water treatment: a review. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 681-698. | 2.3 | 77 |
| 5397 | Development and implementation of a multi-criteria aggregation operator to estimate the contributions of the natural geochemical background and anthropogenic inputs in groundwater in former mining regions: An application to arsenic and antimony in the Gardon river watershed (southern France). <i>Science of the Total Environment</i> , 2022, 814, 151936. | 3.9 | 7 |
| 5398 | Supergene geochemistry of arsenic and activation mechanism of eucalyptus to arsenic source. <i>Environmental Geochemistry and Health</i> , 2021, , 1. | 1.8 | 0 |
| 5399 | Impact of organic matter on As sulfidation in wetlands: An in situ experiment. <i>Science of the Total Environment</i> , 2022, 819, 152008. | 3.9 | 4 |
| 5400 | Arsenic Removal from Contaminated Water Using Natural Adsorbents: A Review. <i>Coatings</i> , 2021, 11, 1407. | 1.2 | 15 |
| 5402 | Presence of Arsenic in Potential Sources of Drinking Water Supply Located in a Mineralized and Mined Area of the Sierra Madre Oriental in Mexico. <i>Toxics</i> , 2021, 9, 307. | 1.6 | 1 |
| 5403 | Evaluation of single and joint toxicity of perfluorooctanoic acid and arsenite to earthworm (<i>Eisenia</i>) Tj ETQq1 1 0.784314 rgBT /Overl | 4.2 | 9 |
| 5404 | Sensing and annihilation of ultra-trace level arsenic (III) using fluoranthene decorated fluorescent nanofibrous cellulose probe. <i>Journal of Hazardous Materials</i> , 2022, 424, 127722. | 6.5 | 14 |
| 5405 | Comparative study on As(III) and As(V) adsorption by -intercalated Fe/Mn-LDHs from aqueous solution. <i>Blue-Green Systems</i> , 2021, 3, 175-190. | 0.6 | 3 |
| 5406 | How does arsenic speciation (arsenite and arsenate) in groundwater affect the performance of an aerated electrocoagulation reactor and human health risk?. <i>Science of the Total Environment</i> , 2022, 808, 152135. | 3.9 | 6 |
| 5407 | Effects of modified biochar on As-contaminated water and soil: A recent update. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2021, 7, 107-136. | 0.3 | 2 |
| 5408 | Recent progress regarding electrochemical sensors for the detection of typical pollutants in water environments. <i>Analytical Sciences</i> , 2022, 38, 55-70. | 0.8 | 31 |
| 5410 | Mechanism of arsenic enrichment and mobilization in groundwater from southeastern Bangladesh: Water quality and preliminary health risks assessment. <i>Chemosphere</i> , 2022, 294, 133556. | 4.2 | 33 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5411 | Mapped Predictions of Manganese and Arsenic in an Alluvial Aquifer Using Boosted Regression Trees. <i>Ground Water</i> , 2022, 60, 362-376. | 0.7 | 7 |
| 5412 | Genetic interpretation and health risk assessment of arsenic in Hetao Plain of inner Mongolia, China. <i>Environmental Research</i> , 2022, 208, 112680. | 3.7 | 14 |
| 5413 | Changes of groundwater arsenic risk in different seasons in Hetao Basin based on machine learning model. <i>Science of the Total Environment</i> , 2022, 817, 153058. | 3.9 | 10 |
| 5414 | Relative importance of hydrogeochemical and hydrogeological processes on arsenic enrichment in groundwater of the Yinchuan Basin, China. <i>Applied Geochemistry</i> , 2022, 137, 105180. | 1.4 | 6 |
| 5415 | Impact of dithiocarbamate-based polymeric additives on the performance of polyethersulfone membrane for the treatment of arsenic contaminated waters. <i>Chemical Engineering Research and Design</i> , 2022, 158, 589-606. | 2.7 | 15 |
| 5416 | A flexible and disposable electrochemical sensor for the evaluation of arsenic levels: A new and efficient method for the batch fabrication of chemically modified electrodes. <i>Analytica Chimica Acta</i> , 2022, 1194, 339413. | 2.6 | 20 |
| 5417 | Recent advances in photoelectrocatalysis for environmental applications: Sensing, pollutants removal and microbial inactivation. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214341. | 9.5 | 55 |
| 5418 | Groundwater quality: Global threats, opportunities and realising the potential of groundwater. <i>Science of the Total Environment</i> , 2022, 811, 152471. | 3.9 | 26 |
| 5419 | Contrasting effects of dry-wet and freeze-thaw aging on the immobilization of As in As-contaminated soils amended by zero-valent iron-embedded biochar. <i>Journal of Hazardous Materials</i> , 2022, 426, 128123. | 6.5 | 20 |
| 5420 | Assessment of the variation of heavy metal pollutants in soil and crop plants through field and laboratory tests. <i>Science of the Total Environment</i> , 2022, 811, 152343. | 3.9 | 27 |
| 5421 | Aminoalkyl-organo-silane treated sand for the adsorptive removal of arsenic from the groundwater: Immobilizing the mobilized geogenic contaminants. <i>Journal of Hazardous Materials</i> , 2022, 425, 127916. | 6.5 | 3 |
| 5422 | Spatio-temporal accumulation patterns of trace metals in sediments of a large plateau lake (Erhai) in Southwest China and their relationship with human activities over the past century. <i>Journal of Geochemical Exploration</i> , 2022, 234, 106943. | 1.5 | 10 |
| 5423 | Migration characteristics of arsenic in sediments under the influence of cascade reservoirs in Lancang River basin. <i>Journal of Hydrology</i> , 2022, 606, 127424. | 2.3 | 12 |
| 5424 | Mixing of arsenic-rich groundwater and surface water in drinking water distribution systems: Implications for contaminants, disinfection byproducts and organic components. <i>Chemosphere</i> , 2022, 292, 133406. | 4.2 | 5 |
| 5425 | An Arsenic-76 radiotracer to study the routes of assimilation, hemolymph distribution, and tissue inventories in the bioindicator organism <i>Pomacea canaliculata</i> . <i>Science of the Total Environment</i> , 2022, 815, 152760. | 3.9 | 4 |
| 5427 | Novel Co-Doped Iron Oxide and Graphitic Carbon Nanosheets on Biochar for Arsenite (As) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 5428 | é;æ±ÿäæ,æ²³æ¹-ä¹³äžÿæµ...ä±,äœ°ä,æ°'ä,ç;ç©°é-ä¹¼,è"æ€šçš,,ä€Ää¹²ç'æ€†ç°. <i>Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Geosciences</i> , 2021, 46, 4492. | 0.1 | 2 |
| 5429 | Assessment of heavy metal concentrations in Mango fruits grown in Kasese district, Uganda. <i>African Journal of Environmental Science and Technology</i> , 2021, 15, 451-456. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5430 | Health risk assessment of arsenic in drinking groundwater: A case study in a central high land area of Vietnam. IOP Conference Series: Earth and Environmental Science, 2022, 964, 012010. | 0.2 | 2 |
| 5431 | Recognition of Significant Multi-Element Geochemical Signatures of Lower Soil on Hainan Island, China: Implications for Thermal Mineral Water Exploration. Water (Switzerland), 2022, 14, 341. | 1.2 | 1 |
| 5432 | Differential effectiveness of Arbuscular Mycorrhizae in improving Rhizobial symbiosis by modulating Sucrose metabolism and Antioxidant defense in Chickpea under As stress. Symbiosis, 2022, 86, 49-69. | 1.2 | 3 |
| 5433 | Binding of As ³⁺ and As ⁵⁺ to Fe(III) Oxyhydroxide Clusters and the Influence of Aluminum Substitution: A Molecular Perspective. Journal of Physical Chemistry A, 2022, 126, 670-684. | 1.1 | 2 |
| 5434 | The Fate of the Arsenic Species in the Pressure Oxidation of Refractory Gold Ores: Practical and Modelling Aspects. Mineral Processing and Extractive Metallurgy Review, 2023, 44, 155-187. | 2.6 | 6 |
| 5435 | Lignin for metal ion remediation in aqueous systems. , 2022, , 325-356. | | 1 |
| 5436 | Synchronous Removal of Arsenic and Fluoride from Aqueous Solution: A Facile Approach to Fabricate Novel Functional Metallopolymer Microspheres. ACS Omega, 2022, 7, 4879-4891. | 1.6 | 13 |
| 5437 | On-site separation of arsenic species using a sorbent C18 column modified with APDC followed by ICP-MS determination. Journal of Analytical Atomic Spectrometry, 2022, 37, 229-232. | 1.6 | 7 |
| 5438 | Watershed-Scale Risk to Aquatic Organisms from Complex Chemical Mixtures in the Shenandoah River. Environmental Science & Technology, 2022, 56, 845-861. | 4.6 | 14 |
| 5439 | Controls on groundwater selenium, arsenic and base metals in groundwater around a selenium-bearing volcanogenic massive sulfide deposit: constraints from stable isotopes, trace elements and redox controls. Geochemistry: Exploration, Environment, Analysis, 2022, 22, . | 0.5 | 1 |
| 5440 | Arsenic distribution in sediments of multi-tier sedimentary formation of coastal Pondicherry, India – Implications on groundwater quality. Marine Pollution Bulletin, 2022, 174, 113193. | 2.3 | 4 |
| 5441 | Efficient loading of nano Mn particles on calcined laterite soil (Lt-nMn) for higher removal of As(III) ions from groundwater: adsorption and eco-scale analysis. Environmental Science and Pollution Research, 2022, 29, 41409-41428. | 2.7 | 1 |
| 5442 | Regional-scale hydrogeochemical evolution across the arsenic-enriched transboundary aquifers of the Ganges River Delta system, India and Bangladesh. Science of the Total Environment, 2022, 823, 153490. | 3.9 | 16 |
| 5443 | Adsorption–Desorption Behavior of Arsenate Using Single and Binary Iron-Modified Biochars: Thermodynamics and Redox Transformation. ACS Omega, 2022, 7, 101-117. | 1.6 | 14 |
| 5444 | Iron Sulfide Solubility Measurement and Modeling Over Wide Ranges of Temperatures, Ionic Strength, and pH. SPE Journal, 2022, , 1-12. | 1.7 | 4 |
| 5445 | Arsenic speciation and sorption in acid mine drainage and the polluted water of the Kosva river basin, Russia. IOP Conference Series: Earth and Environmental Science, 2022, 962, 012050. | 0.2 | 1 |
| 5446 | The effects of redox conditions on arsenic re-release from excavated marine sedimentary rock with naturally suppressed arsenic release. Environmental Geochemistry and Health, 2022, 44, 4157-4171. | 1.8 | 5 |
| 5447 | Efficient Sorption of Arsenic on Nanostructured Fe-Cu Binary Oxides: Influence of Structure and Crystallinity. Frontiers in Chemistry, 2021, 9, 840446. | 1.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5448 | Nanoparticles as a potential protective agent for arsenic toxicity alleviation in plants. <i>Environmental Pollution</i> , 2022, 300, 118887. | 3.7 | 23 |
| 5449 | Appraisal of groundwater arsenic on opposite banks of River Ganges, West Bengal, India, and quantification of cancer risk using Monte Carlo simulations. <i>Environmental Science and Pollution Research</i> , 2023, 30, 25205-25225. | 2.7 | 14 |
| 5450 | Arsenic Mineral in Volcanic Tuff, a Source of Arsenic Anomaly in Groundwater: City of Chihuahua, Mexico. <i>Geosciences (Switzerland)</i> , 2022, 12, 69. | 1.0 | 4 |
| 5451 | Association of urinary arsenic with insulin resistance: Cross-sectional analysis of the National Health and Nutrition Examination Survey, 2015–2016. <i>Ecotoxicology and Environmental Safety</i> , 2022, 231, 113218. | 2.9 | 11 |
| 5452 | A critical review of on-site inorganic arsenic screening methods. <i>Journal of Environmental Sciences</i> , 2023, 125, 453-469. | 3.2 | 10 |
| 5453 | The solid-state partitioning, distribution, and mineralogical associations of arsenic and antimony: Integrated findings from the Altiplano Puna, South America and international comparisons. <i>Journal of South American Earth Sciences</i> , 2022, 114, 103713. | 0.6 | 7 |
| 5454 | Trace element ratios in tooth enamel as palaeodietary indicators of seaweed consumption and coastal grazing, and their broader applicability. <i>Journal of Archaeological Science</i> , 2022, 139, 105551. | 1.2 | 1 |
| 5455 | Adsorption performance of Fe(III) modified kapok fiber for As(V) removal from water. <i>Separation and Purification Technology</i> , 2022, 287, 120494. | 3.9 | 14 |
| 5456 | Hydrogeochemical controls on As and B enrichment in the aqueous environment from the Western Tibetan Plateau: A case study from the Singe Tsangpo River Basin. <i>Science of the Total Environment</i> , 2022, 817, 152978. | 3.9 | 2 |
| 5457 | Arsenic-rich geothermal fluids as environmentally hazardous materials – A global assessment. <i>Science of the Total Environment</i> , 2022, 817, 152669. | 3.9 | 10 |
| 5458 | Highly efficient As(III) removal through simultaneous oxidation and adsorption by N-CQDs modified MIL-53(Fe). <i>Separation and Purification Technology</i> , 2022, 286, 120409. | 3.9 | 26 |
| 5459 | Arsenic removal by household-based ceramic filters: Evaluating mode of operations and influence of groundwater compositions. <i>Journal of Water Process Engineering</i> , 2022, 46, 102598. | 2.6 | 2 |
| 5460 | Spatial statistical modeling of arsenic accumulation in microsites of diverse soils. <i>Geoderma</i> , 2022, 411, 115697. | 2.3 | 3 |
| 5461 | Factors influencing sorption of trace elements in contaminated waters onto ground nut shells. <i>Journal of Environmental Management</i> , 2022, 308, 114618. | 3.8 | 3 |
| 5462 | A novel method for in situ stabilization of calcium arsenic residues via yukonite formation. <i>Science of the Total Environment</i> , 2022, 819, 153090. | 3.9 | 9 |
| 5463 | Evaluation of pollution swapping phenomena from a woodchip denitrification wall targeting removal of nitrate in a shallow gravel aquifer. <i>Science of the Total Environment</i> , 2022, 820, 153194. | 3.9 | 4 |
| 5464 | Characterization of arsenite (As(III)) and arsenate (As(V)) sorption on synthetic siderite spherules under anoxic conditions: Different sorption behaviors with crystal size and arsenic species. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 499-514. | 5.0 | 13 |
| 5465 | Dual Ions Neutralized and Stabilized Red Mud for Chromium(VI) Polluted Soil Remediation. <i>ACS ES&T Engineering</i> , 2022, 2, 913-923. | 3.7 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5466 | Interspecies-Extrapolated Biotic Ligand Model to Predict Arsenate Toxicity to Terrestrial Plants with Consideration of Cell Membrane Surface Electrical Potential. <i>Toxics</i> , 2022, 10, 78. | 1.6 | 0 |
| 5467 | Removal of Arsenate in drinking water sources by combined coagulation process. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 0, , 247-254. | 0.4 | 0 |
| 5468 | Effective immobilization of arsenic in waters and sediments using novel zirconium-loaded lanthanum-modified bentonite capping. <i>Journal of Environmental Chemical Engineering</i> , 2022, , 107343. | 3.3 | 2 |
| 5469 | Electroactive Fe-biochar for redox-related remediation of arsenic and chromium: Distinct redox nature with varying iron/carbon speciation. <i>Journal of Hazardous Materials</i> , 2022, 430, 128479. | 6.5 | 67 |
| 5470 | Arsenic as an environmental and human health antagonist: A review of its toxicity and disease initiation. <i>Journal of Hazardous Materials Advances</i> , 2022, 5, 100052. | 1.2 | 58 |
| 5471 | Dimorphism of MnHAsO ₄ (H ₂ O): natural monoclinic krautite and its synthetic triclinic modification. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2022, . | 0.3 | 1 |
| 5472 | Oxidation of bioreduced iron-bearing clay mineral triggers arsenic immobilization. <i>Environmental Science and Pollution Research</i> , 2022, , 1. | 2.7 | 1 |
| 5473 | Genesis of As in the groundwater with extremely high salinity in the Yellow River Delta, China. <i>Applied Geochemistry</i> , 2022, 139, 105229. | 1.4 | 3 |
| 5474 | Correlation Between Fe/S/As Speciation Transformation and Depth Distribution of Acidithiobacillus ferrooxidans and Acidiphilium acidophilum in Simulated Acidic Water Column. <i>Frontiers in Microbiology</i> , 2021, 12, 819804. | 1.5 | 1 |
| 5475 | Differential metabolism of arsenicals regulates Fps1-mediated arsenite transport. <i>Journal of Cell Biology</i> , 2022, 221, . | 2.3 | 2 |
| 5476 | Arsenic immobilization in calcareous soils amended with native and chemically modified sewage sludge biochar: kinetics and equilibrium studies. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1. | 0.6 | 1 |
| 5477 | Arsenic Contamination in Groundwater and Potential Health Risk in Western Lampang Basin, Northern Thailand. <i>Water (Switzerland)</i> , 2022, 14, 465. | 1.2 | 14 |
| 5478 | A regional-scale geochemical survey of stream sediment samples in Nappe zone, northern Tunisia: Implications for mineral exploration. <i>Journal of Geochemical Exploration</i> , 2022, 235, 106956. | 1.5 | 15 |
| 5479 | Biological factors influencing As mobilization from an ancient mining region: In vitro studies. <i>Environmental Challenges</i> , 2022, 7, 100472. | 2.0 | 0 |
| 5480 | Decontamination of arsenite by a nano-sized lanthanum peroxide composite through a simultaneous treatment process combined with spontaneously catalytic oxidation and adsorption reactions. <i>Chemical Engineering Journal</i> , 2022, 435, 135082. | 6.6 | 13 |
| 5481 | Heavy Metal Contamination of Natural Foods Is a Serious Health Issue: A Review. <i>Sustainability</i> , 2022, 14, 161. | 1.6 | 67 |
| 5482 | Simultaneous Oxidation and Removal of Arsenite by Nano Lanthanum Peroxide Composite: A Spontaneously Catalytic Redox Conversion and Adsorption Process. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 5483 | An Eco-Environmental Risk Assessment of Heavy Metal Contamination in Surface Sediments of Lake Yangzong, Southwestern China. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5484 | Effects of Phosphate, Silicate, Humic Acid, and Calcium on the Release of As(V) Co-Precipitated with Fe(III) and Fe(II) During Aging. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 5485 | Consequences of Heavy Metals in Water and Wastewater for the Environment and Human Health. , 2022, , 221-228. | | 5 |
| 5486 | Electrospun Nanofiber-Based Composites for Arsenic Removal in Water and Wastewater. Springer Series in Materials Science, 2022, , 145-174. | 0.4 | 0 |
| 5487 | Highly Efficient Removal of As(V) and Se(IV) from Natural Waters Through Sorption on Cotton Fabrics Decorated by a Zr ⁴⁺ MOF. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 5488 | Lignocellulosic Based Biochar Adsorbents for the Removal of Fluoride and Arsenic from Aqueous Solution: Isotherm and Kinetic Modeling. Polymers, 2022, 14, 715. | 2.0 | 9 |
| 5489 | An integrated geochemical and spatiotemporal assessment of groundwater resources within an industrial suburb, Southeastern Nigeria. International Journal of Energy and Water Resources, 2023, 7, 355-374. | 1.3 | 10 |
| 5490 | Mediation of arsenic mobility by organic matter in mining-impacted sediment from sub-Arctic lakes: implications for environmental monitoring in a warming climate. Environmental Earth Sciences, 2022, 81, 137. | 1.3 | 4 |
| 5491 | Influence of hydrostratigraphy on the distribution of groundwater arsenic in the transboundary Ganges River delta aquifer system, India and Bangladesh. Bulletin of the Geological Society of America, 2022, 134, 2680-2692. | 1.6 | 6 |
| 5492 | Investigation of the arsenic(V) retention performance of the nano-sorbent (M-TACA) synthesized by click chemistry. Journal of Dispersion Science and Technology, 2023, 44, 566-576. | 1.3 | 2 |
| 5493 | Hydrochemical Characteristics of Arsenic in Shallow Groundwater in Various Unconsolidated Sediment Aquifers: A Case Study in Hetao Basin in Inner Mongolia, China. Water (Switzerland), 2022, 14, 669. | 1.2 | 1 |
| 5494 | Potentialities of Agro-Based Wastes to Remove Cd, Hg, Pb, and As from Contaminated Waters. Water, Air, and Soil Pollution, 2022, 233, 1. | 1.1 | 9 |
| 5495 | ²¹⁰ Po characteristic in selected thermal water sources in Northern Vietnam. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1. | 0.7 | 0 |
| 5496 | Many oil wells, one evil: comprehensive assessment of toxic metals concentration, seasonal variation and human health risk in drinking water quality in areas surrounding crude oil exploration facilities in rivers state, Nigeria. International Journal of Hydrology, 2022, 6, 23-42. | 0.2 | 9 |
| 5497 | Hydro-geochemical evolution of groundwater and associated human health risk in River Sone subbasin of Middle-Gangetic floodplain, Bihar, India. Arabian Journal of Geosciences, 2022, 15, 1. | 0.6 | 10 |
| 5498 | Feasibility of iron-based sorbents for arsenic removal from groundwater. Journal of Chemical Technology and Biotechnology, 2022, 97, 3024-3034. | 1.6 | 4 |
| 5499 | Removal of Arsenate From Groundwater by Cathode of Bioelectrochemical System Through Microbial Electrosorption, Reduction, and Sulfuration. Frontiers in Microbiology, 2022, 13, 812991. | 1.5 | 0 |
| 5500 | Predicting the Distribution of Arsenic in Groundwater by a Geospatial Machine Learning Technique in the Two Most Affected Districts of Assam, India: The Public Health Implications. GeoHealth, 2022, 6, e2021GH000585. | 1.9 | 6 |
| 5501 | Novel iron-based nanocomposites for arsenic removal in groundwater: insights from their synthesis to implementation for real groundwater remediation. Environmental Earth Sciences, 2022, 81, 1. | 1.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5502 | Nanoplastics and Arsenic Co-Exposures Exacerbate Oncogenic Biomarkers under an In Vitro Long-Term Exposure Scenario. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2958. | 1.8 | 20 |
| 5503 | Study on the precipitation of iron and the synchronous removal mechanisms of antimony and arsenic in the AMD under the induction of carbonate rocks. <i>Environmental Science and Pollution Research</i> , 2022, 29, 55161-55173. | 2.7 | 6 |
| 5504 | Uptake of arsenic(V) using iron and magnesium functionalized highly ordered mesoporous MCM-41 (Fe/Mg-MCM-41) as an effective adsorbent. <i>Science of the Total Environment</i> , 2022, 833, 154858. | 3.9 | 16 |
| 5505 | Marble Dust Effect on the Air Quality: An Environmental Assessment Approach. <i>Sustainability</i> , 2022, 14, 3831. | 1.6 | 6 |
| 5506 | Significance of Shewanella Species for the Phytoavailability and Toxicity of Arsenic—A Review. <i>Biology</i> , 2022, 11, 472. | 1.3 | 6 |
| 5507 | Heavy Metal Ions Removal From Wastewater Using Cryogels: A Review. <i>Frontiers in Sustainability</i> , 2022, 3, . | 1.3 | 32 |
| 5508 | Isolation and Characterization of As (V)-reducing <i>Bacillus</i> sp. Strain SM-B1 from Arsenic Laden Gold Mine in Malaysia. <i>Geomicrobiology Journal</i> , 0, , 1-14. | 1.0 | 1 |
| 5509 | Arsenite removal from drinking water by bark-based magnetic iron oxide particle (BMIOP): a column study. <i>Environmental Science and Pollution Research</i> , 2022, , 1. | 2.7 | 0 |
| 5510 | In Vitro Hepatotoxic and Neurotoxic Effects of Titanium and Cerium Dioxide Nanoparticles, Arsenic and Mercury Co-Exposure. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2737. | 1.8 | 6 |
| 5511 | Superparamagnetic Iron Oxide Nanoparticle Nanodevices Based on Fe ₃ O ₄ Coated by Megluminic Ligands for the Adsorption of Metal Anions from Water. <i>ACS Omega</i> , 2022, 7, 10775-10788. | 1.6 | 9 |
| 5512 | Identification and Genome Analysis of an Arsenic-Metabolizing Strain of <i>Citrobacter youngae</i> IITK SM2 in Middle Indo-Gangetic Plain Groundwater. <i>BioMed Research International</i> , 2022, 2022, 1-19. | 0.9 | 4 |
| 5513 | Field and laboratory investigations on factors affecting the diel variation of arsenic in Huangshui Creek from Shimen Realgar Mine, China: implications for arsenic transport in an alkali stream. <i>Environmental Geochemistry and Health</i> , 2023, 45, 687-705. | 1.8 | 3 |
| 5514 | One-nanometre-resolution evidence of As(III) anoxic and oxic transformations on the surfaces of expandable clay minerals. <i>International Journal of Environmental Science and Technology</i> , 0, , 1. | 1.8 | 0 |
| 5515 | Determination of arsenic and mercury in longtail tuna (<i>Thunnus tonggol</i>) collected from Terengganu waters: risk assessment of dietary exposure. <i>Fisheries and Aquatic Sciences</i> , 2022, 25, 167-174. | 0.3 | 1 |
| 5516 | Chronic arsenic poisoning in pigs associated with groundwater contamination. <i>Veterinary Record Case Reports</i> , 0, , . | 0.1 | 0 |
| 5517 | The presence of total inorganic arsenic (iAs) and fluoride (F ⁻) in the groundwater of the center-west of the state of Guanajuato: a hydro-chemical and spatial distribution analysis. <i>Sustainable Water Resources Management</i> , 2022, 8, 1. | 1.0 | 1 |
| 5518 | Developmental arsenic exposure impairs cognition, directly targets DNMT3A, and reduces DNA methylation. <i>EMBO Reports</i> , 2022, 23, e54147. | 2.0 | 5 |
| 5519 | Legacy nitrate and trace metal (Mn, Ni, As, Cd, U) pollution in anaerobic groundwater: Quantifying potential health risk from the other nitrate problem. <i>Applied Geochemistry</i> , 2022, 139, 105254. | 1.4 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5520 | Insights into paleoenvironment and chemical weathering as controls on arsenic accumulation in Late Pleistocene to Holocene aquifers. <i>Applied Geochemistry</i> , 2022, 139, 105267. | 1.4 | 3 |
| 5521 | Magnetite Nanoparticles Loaded into Halloysite Nanotubes for Arsenic(V) Removal from Water. <i>ACS Applied Nano Materials</i> , 2022, 5, 12063-12076. | 2.4 | 14 |
| 5522 | Arsenic concentrations in soil, water, and rice grains of rice-growing areas of Punjab, Pakistan: multivariate statistical analysis. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 346. | 1.3 | 11 |
| 5523 | Arsenic adsorption by low-cost laterite column: Long-term experiments and dynamic column modeling. <i>Chemical Engineering Research and Design</i> , 2022, 160, 868-875. | 2.7 | 5 |
| 5524 | Mercury, selenium and arsenic concentrations in Canadian freshwater fish and a perspective on human consumption intake and risk. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100060. | 1.2 | 4 |
| 5525 | Single-step removal of arsenite ions from water through oxidation-coupled adsorption using Mn/Mg/Fe layered double hydroxide as catalyst and adsorbent. <i>Chemosphere</i> , 2022, 295, 133370. | 4.2 | 29 |
| 5526 | Arsenic bioaccumulation and biotransformation in aquatic organisms. <i>Environment International</i> , 2022, 163, 107221. | 4.8 | 43 |
| 5527 | Processes that control the dissolution of loess sediments and contribution of arsenic release in the Chaco-Pampean plain, Argentina. <i>Applied Geochemistry</i> , 2022, 140, 105243. | 1.4 | 2 |
| 5528 | Modelling of arsenic concentration in multiple water sources: A comparison of different machine learning methods. <i>Groundwater for Sustainable Development</i> , 2022, 17, 100745. | 2.3 | 12 |
| 5529 | Review on arsenic removal using biochar-based materials. <i>Groundwater for Sustainable Development</i> , 2022, 17, 100740. | 2.3 | 26 |
| 5530 | Noble gas constraints on the fate of arsenic in groundwater. <i>Water Research</i> , 2022, 214, 118199. | 5.3 | 4 |
| 5531 | Occurrence, origin and health risk of arsenic in water and palm dates from the Bazman geothermal field, SE Iran. <i>Geothermics</i> , 2022, 102, 102378. | 1.5 | 4 |
| 5532 | Arsenic speciation analysis in porewater by a novel colorimetric assay. <i>Science of the Total Environment</i> , 2022, 827, 154155. | 3.9 | 3 |
| 5533 | Arsenotrophy: A pragmatic approach for arsenic bioremediation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107528. | 3.3 | 13 |
| 5534 | Fresh biomass derived biochar with high-load zero-valent iron prepared in one step for efficient arsenic removal. <i>Journal of Cleaner Production</i> , 2022, 352, 131616. | 4.6 | 32 |
| 5535 | Geogenic arsenic in groundwater: Challenges, gaps, and future directions. <i>Current Opinion in Environmental Science and Health</i> , 2022, 27, 100349. | 2.1 | 18 |
| 5536 | Magnetically induced catalytic electrooxidation of As(III) on GC modified Fe@Cu-BTC MOF nanoparticles: Application for determination of As(III). <i>Surfaces and Interfaces</i> , 2022, 30, 101946. | 1.5 | 0 |
| 5537 | Highly efficient size-sieving-based removal of arsenic(III) via defect-free interfacially-polymerized polyamide thin-film composite membranes. <i>Journal of Membrane Science</i> , 2022, 652, 120477. | 4.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5538 | An all-in-one strategy for resource recovery and immobilization of arsenic from arsenic-bearing gypsum sludge. <i>Chemosphere</i> , 2022, 296, 134078. | 4.2 | 3 |
| 5539 | Fe(II) bio-oxidation mediates red mud transformations to form Fe(III)/Al (hydr)oxide adsorbent for efficient As(V) removal under acidic conditions. <i>Chemical Engineering Journal</i> , 2022, 439, 135753. | 6.6 | 17 |
| 5540 | Household and community systems for groundwater remediation in Bihar, India: Arsenic and inorganic contaminant removal, controls and implications for remediation selection. <i>Science of the Total Environment</i> , 2022, 830, 154580. | 3.9 | 7 |
| 5541 | Evaluation of iron coated natural sand for removal of dissolved arsenic from groundwater and develop sustainable filter media. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 18, 100682. | 1.7 | 12 |
| 5542 | Complexation of arsenate to humic acid with different molecular weight fractions in aqueous solution. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 1428-1434. | 0.9 | 1 |
| 5543 | Assessment of Sediment Arsenic and Iron Occurrence and Leaching Potential in a Potable Water Treatment Wastewater Stabilization Pond System. <i>Canadian Journal of Civil Engineering</i> , 0, , . | 0.7 | 0 |
| 5544 | Assessment of hydrogeochemistry and arsenic contamination in groundwater of Bahraich District, Uttar Pradesh, India. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1. | 0.6 | 4 |
| 5545 | Surface Flooding as a Key Driver of Groundwater Arsenic Contamination in Southeast Asia. <i>Environmental Science & Technology</i> , 2022, 56, 928-937. | 4.6 | 25 |
| 5546 | Microwave Soil Treatment along with Biochar Application Alleviates Arsenic Phytotoxicity and Reduces Rice Grain Arsenic Concentration. <i>Energies</i> , 2021, 14, 8140. | 1.6 | 2 |
| 5547 | Role of Edaphic Factors in Accumulation and Chemical Speciation of Arsenic in Agricultural Food Produce. <i>International Journal of Advanced Research in Science, Communication and Technology</i> , 0, , 213-217. | 0.0 | 1 |
| 5548 | Organic Matter and Pigments in the Wall Paintings of Me-Taw-Ya Temple in Bagan Valley, Myanmar. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11441. | 1.3 | 5 |
| 5549 | Factors of Soil Properties and Elements in Tissues Influencing on Extent of Arsenic Accumulation in Brown Rice. <i>Han'guk T'oyang Piryong Hakhoe Chi Han'guk T'oyang Piryong Hakhoe</i> , 2020, 53, 41-49. | 0.1 | 0 |
| 5550 | Phosphate affects susceptibility of <i>Sarcodia suae</i> to arsenate. <i>European Journal of Phycology</i> , 0, , 1-13. | 0.9 | 1 |
| 5551 | Application of visible light activated thiolated cobalt doped ZnO nanoparticles towards arsenic removal from aqueous systems. <i>Digest Journal of Nanomaterials and Biostructures</i> , 2022, 17, 443-455. | 0.3 | 4 |
| 5552 | Cotton fabric decorated by a Zr ⁴⁺ MOF for selective As(V) and Se(IV) removal from aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107705. | 3.3 | 13 |
| 5553 | Assessment of groundwater arsenic contamination using machine learning in Varanasi, Uttar Pradesh, India. <i>Journal of Water and Health</i> , 2022, 20, 829-848. | 1.1 | 10 |
| 5554 | Intestinal uptake and low transformation increase the bioaccumulation of inorganic arsenic in freshwater zebrafish. <i>Journal of Hazardous Materials</i> , 2022, 434, 128904. | 6.5 | 11 |
| 5555 | CHAPTER 2. Arsenic Is Everywhere. , 0, , 8-48. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5603 | Eco-friendly Nanostructured Materials for Arsenic Removal from Aqueous Basins. , 2022, , 1355-1378. | | 0 |
| 5604 | Arsenic removal from household drinking water by biochar and biochar composites: A focus on scale-up. , 2022, , 277-320. | | 0 |
| 5605 | Nano-Alumina Wrapped Carbon Microspheres for Ultrahigh Elimination of Pentavalent Arsenic and Fluoride from Water: Experimental and Dft Study. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 5607 | A Review of Techniques for Arsenic Removal From Water. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 341-374. | 0.3 | 1 |
| 5608 | Spatial Distribution and Source Identification of Water Quality Parameters of an Industrial Seaport Riverbank Area in Bangladesh. Water (Switzerland), 2022, 14, 1356. | 1.2 | 10 |
| 5609 | Arsenic in Drinking Water and Incidences of Leukemia and Lymphoma: Implication for Its Dual Effects in Carcinogenicity. Frontiers in Public Health, 2022, 10, 863882. | 1.3 | 5 |
| 5610 | Water-stable metalâ€‘organic framework (UiO-66) supported on zirconia nanofibers membrane for the dynamic removal of tetracycline and arsenic from water. Applied Surface Science, 2022, 596, 153559. | 3.1 | 19 |
| 5611 | Micropollutant content of Sargassum drifted ashore: arsenic and chlordecone threat assessment and management recommendations for the Caribbean. Environmental Science and Pollution Research, 2022, 29, 66315-66334. | 2.7 | 7 |
| 5612 | DC Sputtered Ultralow Loading Gold Nanofilm Electrodes for Detection of As (III) in Water. , 2022, 1, 014602. | | 15 |
| 5613 | Hydrogeochemical analysis of groundwater quality for drinking and irrigation with elevated arsenic and potential impact on agro-ecosystem in the upper Brahmaputra plain, India. Environmental Science and Pollution Research, 2022, 29, 68735-68756. | 2.7 | 11 |
| 5614 | Sensor Array Chip for Realâ€‘Time Field Detection and Discrimination of Organophosphorus Neurotoxins. ChemElectroChem, 2022, 9, . | 1.7 | 6 |
| 5615 | Delineating the controlling mechanisms of arsenic release into groundwater and its associated health risks in the Southern Loess Plateau, China. Water Research, 2022, 219, 118530. | 5.3 | 21 |
| 5616 | Limited roles of anthropogenic activities on arsenic mobilization in groundwater from the Yinchuan Basin, China. Journal of Hydrology, 2022, 610, 127910. | 2.3 | 6 |
| 5617 | Effects of organic sulfur and arsenite/dissolved organic matter ratios on arsenite complexation with dissolved organic matter. Chemosphere, 2022, 302, 134770. | 4.2 | 8 |
| 5618 | Arsenate decreases production of methylmercury across increasing sulfate concentration amendments in freshwater lake sediments. Environmental Sciences: Processes and Impacts, 2022, 24, 1508-1516. | 1.7 | 2 |
| 5619 | Arsenic through aquatic trophic levels: effects, transformations and biomagnificationâ€‘a concise review. Geoscience Letters, 2022, 9, . | 1.3 | 19 |
| 5620 | Arsenite oxidation and (thio)arsenates formation in arsenite- and sulfide-containing solution under air atmosphere. Applied Geochemistry, 2022, 142, 105344. | 1.4 | 3 |
| 5621 | Natural arsenic source, migration, and flux in a catchment on the Southern Tibetan Plateau. Science of the Total Environment, 2022, 838, 155898. | 3.9 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5623 | Arsenic Contamination and its Impact on the Environment. <i>Current World Environment Journal</i> , 2022, 17, 58-73. | 0.2 | 1 |
| 5624 | Evaluating the validity of class balancing algorithms-based machine learning models for geogenic contaminated groundwaters prediction. <i>Journal of Hydrology</i> , 2022, 610, 127933. | 2.3 | 5 |
| 5628 | Äzmit KÄrfezi Äle Sapanca GÄlÄ¼ Arasındaki Taneli Akiferin Hidrojeokimyasal Äzellikleri. <i>Deu Muhendislik Fakültesi Fen Ve Muhendislik</i> , 2022, 24, 529-540. | 0.1 | 0 |
| 5630 | Partitioning and (im)mobilization of arsenic associated with iron in arsenic-bearing deep subsoil profiles from Hong Kong. <i>Environmental Pollution</i> , 2022, 308, 119527. | 3.7 | 5 |
| 5631 | Investigating and modeling the toxicity of arsenate on wheat root elongation: Assessing the effects of pH, sulfate and phosphate. <i>Ecotoxicology and Environmental Safety</i> , 2022, 239, 113633. | 2.9 | 4 |
| 5632 | Geochemical partitioning and spatial distribution of heavy metals in soils contaminated by lead smelting. <i>Environmental Pollution</i> , 2022, 307, 119486. | 3.7 | 52 |
| 5633 | Dissolved Trace Element Concentrations and Fluxes in the Irrawaddy, Salween, Sittaung and Kaladan Rivers. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 5635 | Study on Arsenic Methylation Properties of &i&t;Cellulomonas&/i&t; sp. K31. <i>Resources Processing</i> , 2022, 68, 117-123. | 0.4 | 1 |
| 5636 | Fluidâ€“Rock Interactions in Geothermal Reservoirs, Germany: Thermal Autoclave Experiments Using Sandstones and Natural Hydrothermal Brines. <i>Aquatic Geochemistry</i> , 2022, 28, 63-110. | 1.5 | 4 |
| 5637 | Surface water quality in the upstream of the highly contaminated Santiago River (Mexico) during the COVID-19 lockdown. <i>Environmental Earth Sciences</i> , 2022, 81, . | 1.3 | 4 |
| 5638 | Water-Rock Interaction Processes: A Local Scale Study on Arsenic Sources and Release Mechanisms from a Volcanic Rock Matrix. <i>Toxics</i> , 2022, 10, 288. | 1.6 | 3 |
| 5639 | Water and sediment geochemistry of an urban lake: Implications to weathering and anthropogenic activity. <i>International Journal of Sediment Research</i> , 2022, 37, 809-822. | 1.8 | 4 |
| 5640 | Integrated environmental factor-dependent growth and arsenic biotransformation by aquatic microalgae: A review. <i>Chemosphere</i> , 2022, 303, 135164. | 4.2 | 9 |
| 5641 | Major ions, trace elements and evidence of groundwater contamination in Hanoi, Vietnam. <i>Environmental Earth Sciences</i> , 2022, 81, . | 1.3 | 2 |
| 5642 | Determining the origin of arsenic anomalies in groundwater using multivariate statistical methods (case study: Miandoab plain aquifer, NW of Iran). <i>Environmental Earth Sciences</i> , 2022, 81, . | 1.3 | 1 |
| 5643 | Evaluation of trace-metal pollution in sediment cores from Lake Edku, Egypt. <i>Regional Studies in Marine Science</i> , 2022, , 102454. | 0.4 | 3 |
| 5644 | A catchment-scale model of river water quality by Machine Learning. <i>Science of the Total Environment</i> , 2022, 838, 156377. | 3.9 | 11 |
| 5645 | Enhanced cycling of nitrogen and metals during rapid infiltration: Implications for managed recharge. <i>Science of the Total Environment</i> , 2022, 838, 156439. | 3.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5646 | Assessment of U and As in groundwater of India: A meta-analysis. <i>Chemosphere</i> , 2022, 303, 135199. | 4.2 | 7 |
| 5647 | Enrichment mechanisms for the co-occurrence of arsenic-fluoride-iodine in the groundwater in different sedimentary environments of the Hetao Basin, China. <i>Science of the Total Environment</i> , 2022, 839, 156184. | 3.9 | 6 |
| 5650 | ARSENIC REMOVAL TECHNOLOGIES: MAPPING GLOBAL RESEARCH ACTIVITIES (1970-2019). <i>Kocaeli Journal of Science and Engineering</i> , 0, , . | 0.3 | 0 |
| 5651 | Chemical Toxicants in Food: Improvement and Sustainability of Best Practices. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 5652 | Arsenic accumulating and transforming bacteria: isolation, potential use, effect, and transformation in agricultural soil. , 2022, , 503-525. | | 1 |
| 5653 | Naturally Occurring Metals in Unregulated Domestic Wells in Nevada, USA. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 5654 | Oxidative dissolution of orpiment and realgar induced by dissolved and solid Mn(III) species. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 332, 307-326. | 1.6 | 5 |
| 5655 | A comparative study on Fe(III)-chitosan and Fe(III)-chitosan-CTAB composites for As(V) removal from water: preparation, characterization and reaction mechanism. <i>Environmental Science and Pollution Research</i> , 2022, 29, 77851-77863. | 2.7 | 7 |
| 5656 | In Situ Remediation of Arsenic-Contaminated Groundwater by Injecting an Iron Oxide Nanoparticle-Based Adsorption Barrier. <i>Water (Switzerland)</i> , 2022, 14, 1998. | 1.2 | 3 |
| 5657 | Environmental tracers and groundwater residence time indicators reveal controls of arsenic accumulation rates beneath a rapidly developing urban area in Patna, India. <i>Journal of Contaminant Hydrology</i> , 2022, 249, 104043. | 1.6 | 10 |
| 5658 | A Systems Approach to Remediating Human Exposure to Arsenic and Fluoride from Overâ€ exploited Aquifers. <i>GeoHealth</i> , 0, , . | 1.9 | 2 |
| 5659 | Arsenic removal technologies for middle- and low-income countries to achieve the SDG-3 and SDG-6 targets: A review. <i>Environmental Advances</i> , 2022, 9, 100262. | 2.2 | 9 |
| 5660 | Tetracycline-Induced Release and Oxidation of As(III) Coupled with Concomitant Ferrihydrite Transformation. <i>Environmental Science & Technology</i> , 2022, 56, 9453-9462. | 4.6 | 12 |
| 5661 | PREPARATION AND CHARACTERIZATION OF MESOPOROUS CERIUM OXIDE FOR TOXIC AS(V) REMOVAL: PERFORMANCE AND MECHANISTIC STUDIE. <i>Journal of Environmental Engineering and Landscape Management</i> , 2022, 30, 321-330. | 0.4 | 1 |
| 5662 | The enhanced removal of arsenite from water by double-shell CuOx@MnOy hollow spheres (DCMHS): behavior and mechanisms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 76417-76431. | 2.7 | 1 |
| 5663 | Highly efficient removal of arsenic (III/IV) from groundwater using nZVI functionalized cellulose nanocrystals fabricated via a bioinspired strategy. <i>Science of the Total Environment</i> , 2022, 842, 156937. | 3.9 | 33 |
| 5664 | Effect of organic substrate and Fe oxides transformation on the mobility of arsenic by biotic reductive dissolution under repetitive redox conditions. <i>Chemosphere</i> , 2022, 305, 135431. | 4.2 | 7 |
| 5665 | Arsenic and selected heavy metal enrichment and its health risk assessment in groundwater of the Haridwar district, Uttarakhand, India. <i>Environmental Earth Sciences</i> , 2022, 81, . | 1.3 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5666 | Chemical oxidation of arsenic in the environment and its application in remediation: A mini review. <i>Pedosphere</i> , 2023, 33, 185-193. | 2.1 | 10 |
| 5667 | Quantifying the impacts of groundwater abstraction on Ganges river water infiltration into shallow aquifers under the rapidly developing city of Patna, India. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101133. | 1.0 | 4 |
| 5668 | Influence of humic acid and fluvic acid on the altered toxicities of arsenite and arsenate toward two freshwater algae. <i>Aquatic Toxicology</i> , 2022, 249, 106218. | 1.9 | 3 |
| 5669 | Dissolved trace element concentrations and fluxes in the Irrawaddy, Salween, Sittaung and Kaladan Rivers. <i>Science of the Total Environment</i> , 2022, 841, 156756. | 3.9 | 3 |
| 5670 | Anion extractants constructed by macrocycle-based anion recognition. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15297-15308. | 5.2 | 11 |
| 5671 | Health Risks Associated with Arsenic Contamination and Its Biotransformation Mechanisms in Environment: A Review. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2022, , 241-288. | 0.4 | 3 |
| 5672 | Zr ⁴⁺ -terephthalate MOFs with 6-connected structures, highly efficient As(ⁱⁱⁱ / ^v) sorption and superhydrophobic properties. <i>Chemical Communications</i> , 2022, 58, 8862-8865. | 2.2 | 5 |
| 5673 | Trace elements in Foodstuffs from the Mediterranean Basin—Occurrence, Risk Assessment, Regulations, and Prevention strategies: A review. <i>Biological Trace Element Research</i> , 0, , . | 1.9 | 5 |
| 5674 | Distribution, geochemical behavior, and risk assessment of arsenic in different floodplain aquifers of middle Gangetic basin, India. <i>Environmental Geochemistry and Health</i> , 2023, 45, 2099-2115. | 1.8 | 5 |
| 5675 | Geochemical Characterization of Natural Groundwater on the Southern Slopes of the Caucasus Mountains on the Russian Black Sea Coast. <i>Water (Switzerland)</i> , 2022, 14, 2170. | 1.2 | 0 |
| 5676 | Removal of arsenic from contaminated water using radiation-induced grafted chitosan: a critical review. <i>Chemistry and Ecology</i> , 2022, 38, 671-705. | 0.6 | 0 |
| 5677 | Spatio-temporal variation and assessment of trace metal contamination in sediments along the Lom River in the gold mining site of Gankombol (Adamawa Cameroon). <i>Environmental Earth Sciences</i> , 2022, 81, . | 1.3 | 4 |
| 5678 | Arsenic Speciation and Metallomics Profiling of Human Toenails as a Biomarker to Assess Prostate Cancer Cases: Atlantic PATH Cohort Study. <i>Frontiers in Public Health</i> , 0, 10, . | 1.3 | 6 |
| 5679 | Treatment of Stabilized Sanitary Landfill Leachate Using Electrocoagulation Process Equipped with Fe, Al, and Zn Electrodes and Assisted by Cationic Polyacrylamide Coagulant Aid. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 8495-8506. | 1.7 | 4 |
| 5680 | Siamese Network-Based Transfer Learning Model to Predict Geogenic Contaminated Groundwaters. <i>Environmental Science & Technology</i> , 2022, 56, 11071-11079. | 4.6 | 7 |
| 5681 | Microbial mediated reaction of dimethylarsinic acid in wetland water and sediments. <i>Water Research</i> , 2022, 222, 118873. | 5.3 | 3 |
| 5682 | Spatial and temporal distribution of arsenic contamination in groundwater of Nawalparasi-West, Nepal: an investigation with suggested countermeasures for South Asian Region. <i>Environmental Monitoring and Assessment</i> , 2022, 194, . | 1.3 | 2 |
| 5683 | The effects of acidification on arsenic concentration and speciation in offshore shallow water system. <i>Marine Pollution Bulletin</i> , 2022, 181, 113930. | 2.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5684 | Synthesis, characterization and arsenate binding events of new mononuclear copper(II) complexes. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100637. | 1.3 | 0 |
| 5685 | Arsenic exposure during juvenile and puberty significantly affected reproductive system development of female SD rats. <i>Ecotoxicology and Environmental Safety</i> , 2022, 242, 113857. | 2.9 | 6 |
| 5686 | Effects of phosphate, silicate, humic acid, and calcium on the release of As(V) co-precipitated with Fe(III) and Fe(II) during aging. <i>Journal of Hazardous Materials</i> , 2022, 438, 129478. | 6.5 | 2 |
| 5687 | Effects of sulfate reduction processes on the trace element geochemistry of sedimentary pyrite in modern seep environments. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 333, 75-94. | 1.6 | 12 |
| 5688 | Removal of hazardous ions from aqueous solutions: Current methods, with a focus on green ion flotation. <i>Journal of Environmental Management</i> , 2022, 319, 115666. | 3.8 | 14 |
| 5689 | Contamination and eco-risk assessment of toxic trace elements in lakebed surface sediments of Lake Yangzong, southwestern China. <i>Science of the Total Environment</i> , 2022, 843, 157031. | 3.9 | 10 |
| 5690 | Phytoremediation plants (ramie) and steel smelting wastes for calcium silicate coated-nZVI/biochar production: Environmental risk assessment and efficient As(V) removal mechanisms. <i>Science of the Total Environment</i> , 2022, 844, 156924. | 3.9 | 12 |
| 5691 | Evaluating configuration of dual unit ceramic filter for arsenic removal from highly contaminated groundwater. <i>Journal of Environmental Management</i> , 2022, 319, 115664. | 3.8 | 1 |
| 5692 | Arsenic in the groundwater of the Upper Brahmaputra floodplain: Variability, health risks and potential impacts. <i>Chemosphere</i> , 2022, 306, 135621. | 4.2 | 9 |
| 5693 | Determination and speciation of trace inorganic arsenic species in water samples by using metal organic framework mixed-matrix membrane and EDXRF spectrometry. <i>Chemosphere</i> , 2022, 307, 135661. | 4.2 | 7 |
| 5694 | ARSENIC ATTENUATION BY GEOSYNTHETIC SORPTION SHEET UNDER DIFFERENT OVERBURDEN PRESSURE CONDITIONS. <i>Geosynthetics Engineering Journal</i> , 2021, 36, 117-124. | 0.0 | 0 |
| 5695 | Mechanism of Arsenic Partitioning During Sulfidation of As-Sorbed Ferrihydrite Nanoparticles. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1666-1673. | 1.2 | 9 |
| 5696 | The research trend on arsenic pollution in freshwater: a bibliometric review. <i>Environmental Monitoring and Assessment</i> , 2022, 194, . | 1.3 | 6 |
| 5697 | Synergy of Mn-Fe-Al and reconstruction of chemisorption & physisorption in arsenic removal. <i>Separation and Purification Technology</i> , 2022, 299, 121748. | 3.9 | 6 |
| 5698 | Cu and As(V) Adsorption and Desorption on/from Different Soils and Bio-Adsorbents. <i>Materials</i> , 2022, 15, 5023. | 1.3 | 3 |
| 5699 | Practical application of PAC sludge-valorized biochars to the mitigation of methyl arsenic in wetlands. <i>Chemical Engineering Journal</i> , 2022, 450, 138148. | 6.6 | 3 |
| 5700 | New Insight into the Molecular Interaction of Trace as (Iii) and As(V) Onto the Hybrid Anion Exchanger Impregnated with Fe/Mn Nanoparticles (Ha502p-Fe/Mn). <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 5701 | Naturally occurring metals in unregulated domestic wells in Nevada, USA. <i>Science of the Total Environment</i> , 2022, 851, 158277. | 3.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5702 | Enhanced Stability of Scorodite in Oxidic and Anoxic Systems via Surface Coating with Hydroxyapatite and Fluorapatite. <i>Minerals</i> (Basel, Switzerland), 2022, 12, 1014. | 0.8 | 2 |
| 5703 | Silica- Iron Oxide Nanocomposite Enhanced with Porogen Agent Used for Arsenic Removal. <i>Materials</i> , 2022, 15, 5366. | 1.3 | 12 |
| 5704 | Attenuation of antimony in groundwater from the Xikuangshan antimony mine, China: Evidence from sulfur and molybdenum isotope study. <i>Applied Geochemistry</i> , 2022, 146, 105429. | 1.4 | 6 |
| 5705 | Abundant Fe(III) Oxide-Bound Arsenic and Depleted Mn Oxides Facilitate Arsenic Enrichment in Groundwater From a Sand-Gravel Confined Aquifer. <i>Journal of Geophysical Research: Biogeosciences</i> , 2022, 127, . | 1.3 | 4 |
| 5706 | Removal of arsenite using conventional and enhanced electrocoagulation with aeration and hydrogen peroxide up to drinking water quality standards. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 2681-2696. | 0.8 | 1 |
| 5707 | Prediction of Groundwater Arsenic Hazard Employing Geostatistical Modelling for the Ganga Basin, India. <i>Water</i> (Switzerland), 2022, 14, 2440. | 1.2 | 5 |
| 5708 | Improved precision in As speciation analysis with HERFD-XANES at the As K-edge: the case of As speciation in mine waste. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 1198-1208. | 1.0 | 3 |
| 5709 | A multimethodological evaluation of arsenic in the Zenne River, Belgium: Sources, distribution, geochemistry, and bioavailability. <i>Science of the Total Environment</i> , 2022, 851, 157984. | 3.9 | 3 |
| 5710 | Health risk assessment and geospatial analysis of arsenic contamination in shallow aquifer along Ravi River, Lahore, Pakistan. <i>Environmental Science and Pollution Research</i> , 2023, 30, 4866-4880. | 2.7 | 4 |
| 5711 | A national survey of lead and other metal(loids) in residential drinking water in the United States. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2023, 33, 160-167. | 1.8 | 10 |
| 5712 | Method validation for arsenic speciation in contaminated soil by HPLC-ICP-MS coupling method. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100684. | 1.3 | 5 |
| 5713 | Identification of arsenic spatial distribution by hydrogeochemical processes represented by different ion ratios in the Hohhot Basin, China. <i>Environmental Science and Pollution Research</i> , 2023, 30, 2607-2621. | 2.7 | 2 |
| 5714 | Synergistically Improved Catalytic Ozonation Process Using Iron-Loaded Activated Carbons for the Removal of Arsenic in Drinking Water. <i>Water</i> (Switzerland), 2022, 14, 2406. | 1.2 | 7 |
| 5715 | The effect of mining development in karst areas on water acidification and fluorine enrichment in surface watersheds. <i>Ecotoxicology and Environmental Safety</i> , 2022, 242, 113954. | 2.9 | 5 |
| 5716 | Influence of geological faults on dissolved arsenic concentrations in an overexploited aquifer with shallow geothermal heat. <i>Applied Geochemistry</i> , 2022, 144, 105395. | 1.4 | 2 |
| 5717 | New evidence for linking the formation of high arsenic aquifers in the central Yangtze River Basin to climate change since Last Glacial Maximum. <i>Journal of Hazardous Materials</i> , 2022, 439, 129684. | 6.5 | 2 |
| 5718 | An Au(111)-dominant polycrystalline gold/gold nanoparticles/1,8-naphthyridine/glassy carbon electrode for anodic stripping voltammetry determination of As(III). <i>Electrochimica Acta</i> , 2022, 428, 140949. | 2.6 | 7 |
| 5719 | Arsenic removal by pomelo peel biochar coated with iron. <i>Chemical Engineering Research and Design</i> , 2022, 186, 252-265. | 2.7 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5720 | Oxidative adsorption of arsenic from water environment by activated carbon modified with cerium oxide/hydroxide. <i>Chemical Engineering Research and Design</i> , 2022, 186, 161-173. | 2.7 | 6 |
| 5721 | Photocatalytic oxidation pathways of arsenite on spontaneously forming FeOOH/GO heterostructure. <i>Separation and Purification Technology</i> , 2022, 299, 121796. | 3.9 | 6 |
| 5722 | Effects of dams on As and Hg concentrations in three southeastern Brazil fluvial systems: Ocean inputs, sources and seasonal dynamics among environmental compartments. <i>Science of the Total Environment</i> , 2022, 849, 157865. | 3.9 | 4 |
| 5723 | Geochemical behavior and fate of arsenic in middle Gangetic plain, Terai region of India, and its health risk quantification using Monte Carlo simulation and sensitivity analysis. <i>Groundwater for Sustainable Development</i> , 2022, 19, 100811. | 2.3 | 7 |
| 5724 | Arsenic removal from groundwater by membrane technology: Advantages, disadvantages, and effect on human health. <i>Groundwater for Sustainable Development</i> , 2022, 19, 100815. | 2.3 | 22 |
| 5725 | Contrasting behaviors of groundwater arsenic and fluoride in the lower reaches of the Yellow River basin, China: Geochemical and modeling evidences. <i>Science of the Total Environment</i> , 2022, 851, 158134. | 3.9 | 12 |
| 5727 | Enhanced adsorption of inorganic arsenic by Mg-calcite under circumneutral conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 335, 85-97. | 1.6 | 2 |
| 5728 | Impact of socioeconomic factors on households' willingness to pay for arsenic-free safe drinking water - A case study of Bihar, India. <i>Groundwater for Sustainable Development</i> , 2022, 19, 100837. | 2.3 | 3 |
| 5729 | Kinetic studies on arsenic release from geogenically enriched soils under oxidized and reduced conditions. <i>Journal of Geochemical Exploration</i> , 2022, 242, 107083. | 1.5 | 3 |
| 5730 | Preparation of novel bifunctionalized magnetic nanoparticles for sequential speciation analysis of inorganic arsenic. <i>Microchemical Journal</i> , 2022, 182, 107926. | 2.3 | 2 |
| 5731 | Arsenate sequestration by secondary minerals from chemodenitrification of Fe(II) and nitrite: pH Effect and mechanistic insight. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 336, 62-77. | 1.6 | 8 |
| 5732 | Distribution, dynamic and influence factors of groundwater arsenic in the Manas River Basin in Xinjiang, P.R.China. <i>Applied Geochemistry</i> , 2022, 146, 105441. | 1.4 | 4 |
| 5733 | Performance of FeS synthesized within the porous media for in-situ immobilization of arsenic under varying water chemistry and groundwater conditions. <i>Groundwater for Sustainable Development</i> , 2022, 19, 100835. | 2.3 | 1 |
| 5734 | Insights into the underlying effect of Fe vacancy defects on the adsorption affinity of goethite for arsenic immobilization. <i>Environmental Pollution</i> , 2022, 314, 120268. | 3.7 | 11 |
| 5735 | Spatiotemporal characteristics of arsenic and lead with seasonal freeze-thaw cycles in the source area of the Yellow River Tibet Plateau, China. <i>Journal of Hydrology: Regional Studies</i> , 2022, 44, 101210. | 1.0 | 3 |
| 5736 | Mass fluxes of dissolved arsenic discharging to the Meghna River are sufficient to account for the mass of arsenic in riverbank sediments. <i>Journal of Contaminant Hydrology</i> , 2022, 251, 104068. | 1.6 | 6 |
| 5737 | Simultaneous scavenging of As(V) and safranin O dye by Mg/Al LDH-zeolite heterocoagulated materials: The effect of adsorbent synthesis approach on its efficiency in static and dynamic system. <i>Separation and Purification Technology</i> , 2022, 302, 122072. | 3.9 | 4 |
| 5738 | Role of tectonics and climate on elevated arsenic in fluvial systems: Insights from surface water and sediments along regional transects of Chile. <i>Environmental Pollution</i> , 2022, 314, 120151. | 3.7 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5739 | Aggregation-aided SERS: Selective detection of arsenic by surface-enhanced Raman spectroscopy facilitated by colloid cross-linking. <i>Talanta</i> , 2023, 253, 123940. | 2.9 | 3 |
| 5740 | Mechanism of metal sorption by biochar. , 2022, , 313-330. | | 0 |
| 5741 | Arsenic in Karstic Paddy Soil with High Geochemical Background in Guangxi, China: Its Bioavailability and Controlling Factors. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 5742 | Selective recognition and extraction of arsenate by a urea-functionalized tripodal receptor from competitive aqueous media. <i>Dalton Transactions</i> , 2022, 51, 15239-15245. | 1.6 | 4 |
| 5743 | Autophagy in arsenic exposed population and cancer patients. , 2022, , 141-161. | | 2 |
| 5744 | Arsenic Control for Hazard Risk Reduction. , 2022, , 205-233. | | 0 |
| 5745 | Assessment of Groundwater Quality with Special Reference to Arsenic in Ballia District, Uttar Pradesh, India. <i>Water Science and Technology Library</i> , 2022, , 145-159. | 0.2 | 0 |
| 5746 | Characterization of Arsenic (III and V) Adsorption on Natural Schwertmannite Formed in Acid Coal Mine Drainage: Batch Studies and Spectroscopic Observations. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |

5747

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5757 | Arsenic in groundwater of the Poyang Lake area (China): aqueous species and health risk assessment. <i>Environmental Geochemistry and Health</i> , 2023, 45, 2917-2933. | 1.8 | 3 |
| 5759 | Machine learning approaches for predicting arsenic adsorption from water using porous metal-organic frameworks. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 15 |
| 5763 | Impact of Water Regimes on Minimizing the Accumulation of Arsenic in Rice (<i>Oryza sativa</i> L.). <i>Water, Air, and Soil Pollution</i> , 2022, 233, . | 1.1 | 3 |
| 5764 | Groundwater arsenic poisoning in a primary educational institution: health risks to school-going children. <i>Acta Geochimica</i> , 2022, 41, 1069-1082. | 0.7 | 1 |
| 5765 | Concentration mechanism of fluorine, arsenic, and uranium in groundwater of the Hailar Basin, China. <i>Environmental Earth Sciences</i> , 2022, 81, . | 1.3 | 2 |
| 5766 | Multivariate statistics on groundwater geochemical data to identify arsenic release mechanism and related microenvironments: a case study from West Bengal, India. <i>Environmental Earth Sciences</i> , 2022, 81, . | 1.3 | 0 |
| 5768 | Justification of the priority indicators choice for water quality control in aquifers. <i>Gigiena I Sanitariia</i> , 2022, 101, 842-849. | 0.1 | 2 |
| 5770 | Parametric study of adsorption column for arsenic removal on the basis of numerical simulations. <i>Waves in Random and Complex Media</i> , 0, , 1-17. | 1.6 | 5 |
| 5771 | Removal of arsenic in groundwater from western Anatolia, Turkey using an electrocoagulation reactor with different types of iron anodes. <i>Heliyon</i> , 2022, 8, e10489. | 1.4 | 5 |
| 5773 | Temporal variation and mechanism of the geogenic arsenic concentrations in global groundwater. <i>Applied Geochemistry</i> , 2022, 146, 105475. | 1.4 | 7 |
| 5774 | Legacy of Coal Combustion: Widespread Contamination of Lake Sediments and Implications for Chronic Risks to Aquatic Ecosystems. <i>Environmental Science & Technology</i> , 2022, 56, 14723-14733. | 4.6 | 7 |
| 5775 | Spatial distribution and risk identification of arsenic contamination in water and soil through GIS-based interpolation techniques in Jiangnan Plain, Central China. <i>Frontiers in Environmental Science</i> , 0, 10, . | 1.5 | 0 |
| 5776 | Seasonal Patterns of Mixing and Arsenic Distribution in a Shallow Urban Lake. <i>Water Resources Research</i> , 2022, 58, . | 1.7 | 3 |
| 5777 | Impact of exposure to arsenic on the bacterial microbiota associated with river biofilms in the Pampas region. <i>Aquatic Toxicology</i> , 2022, 252, 106319. | 1.9 | 2 |
| 5778 | Exploration of the arsenic removal performance fluctuation using H ₂ S from highly acidic wastewater in copper smelting. <i>Journal of Cleaner Production</i> , 2022, 376, 134311. | 4.6 | 7 |
| 5779 | Fast arsenate As(V) adsorption and removal from water using aluminium Al(III) fixed on Kapok fibres. <i>Environmental Pollution</i> , 2022, 314, 120236. | 3.7 | 4 |
| 5780 | Arsenic biotransformation genes and As transportation in soil-rice system affected by iron-oxidizing strain (<i>Ochrobactrum</i> sp.). <i>Environmental Pollution</i> , 2022, 314, 120311. | 3.7 | 6 |
| 5781 | Contamination of water resources: With special reference to groundwater pollution. <i>Current Directions in Water Scarcity Research</i> , 2022, , 169-186. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5782 | Transcription Factors and Metal Stress Signalling in Plants. , 2022, , 361-385. | | 0 |
| 5783 | Review on the contamination of water resources in European Countries with emphasis to Greece: Risk and opportunities. <i>Current Directions in Water Scarcity Research</i> , 2022, , 287-316. | 0.2 | 0 |
| 5784 | Temperature-Induced Phase Transition in a Feldspar-Related Compound BaZn ₂ As ₂ O ₈ ·H ₂ O. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 1262. | 0.8 | 2 |
| 5785 | Arsenic removal performance and mechanism from water on iron hydroxide nanopetalines. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 2 |
| 5786 | Hybrid Technique for Removal of Arsenic from Drinking Water. <i>Chemical Engineering and Technology</i> , 2023, 46, 242-255. | 0.9 | 3 |
| 5787 | A Review on Detection Techniques, Health Hazards and Human Health Risk Assessment of Arsenic Pollution in Soil and Groundwater. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 1326. | 0.8 | 10 |
| 5788 | Optimization of Arsenic Fixation in the Pressure Oxidation of Arsenopyrite Using Response Surface Methodology. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2024, 45, 101-113. | 2.6 | 8 |
| 5789 | Ferrous Industrial Wastes—Valuable Resources for Water and Wastewater Decontamination. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13951. | 1.2 | 4 |
| 5790 | Optimization of As(V) Removal by Dried Bacterial Biomass: Nonlinear and Linear Regression Analysis for Isotherm and Kinetic Modelling. <i>Metals</i> , 2022, 12, 1664. | 1.0 | 1 |
| 5791 | Evaluation of the factors affecting arsenic distribution using geospatial analysis techniques in Dongting Plain, China. <i>Frontiers in Environmental Science</i> , 0, 10, . | 1.5 | 1 |
| 5792 | Anaerobic methane oxidation coupled to arsenate reduction in paddy soils: Insights from laboratory and field studies. <i>Chemosphere</i> , 2022, , 137055. | 4.2 | 0 |
| 5793 | Thiamine and Indole-3-Acetic Acid Induced Modulations in Physiological and Biochemical Characteristics of Maize (<i>Zea mays</i> L.) under Arsenic Stress. <i>Sustainability</i> , 2022, 14, 13288. | 1.6 | 6 |
| 5794 | Human health risk and hydro-geochemical appraisal of groundwater in the southwest part of Bangladesh using GIS, water quality indices, and multivariate statistical approaches. <i>Toxin Reviews</i> , 2023, 42, 285-299. | 1.5 | 5 |
| 5796 | Single Strain-Triggered Biogeochemical Cycle of Arsenic. <i>Environmental Science & Technology</i> , 2022, 56, 16410-16418. | 4.6 | 5 |
| 5797 | Fluoride Concentration in Urine after Supplementation with Quelites in a Population of Adolescents. <i>Foods</i> , 2022, 11, 3071. | 1.9 | 2 |
| 5799 | Recent trace element contamination in a rural crater lake, NW Mexico. <i>Journal of Paleolimnology</i> , 0, , . | 0.8 | 2 |
| 5800 | Nano-alumina wrapped carbon microspheres for ultrahigh elimination of pentavalent arsenic and fluoride from potable water. <i>Journal of Industrial and Engineering Chemistry</i> , 2023, 117, 402-413. | 2.9 | 11 |
| 5801 | Enrichment of High Arsenic Groundwater Controlled by Hydrogeochemical and Physical Processes in the Hetao Basin, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13489. | 1.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5802 | Evolution Mechanism of Arsenic Enrichment in Groundwater and Associated Health Risks in Southern Punjab, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13325. | 1.2 | 19 |
| 5803 | Magnetic nanocomposite adsorbents for abatement of arsenic species from water and wastewater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 82681-82708. | 2.7 | 1 |
| 5804 | Genome-Resolved Metagenomics and Metatranscriptomics Reveal that Aquificae Dominates Arsenate Reduction in Tengchong Geothermal Springs. <i>Environmental Science & Technology</i> , 2022, 56, 16473-16482. | 4.6 | 11 |
| 5805 | Quality of Groundwater Used for Public Supply in the Continental United States: A Comprehensive Assessment. <i>ACS ES&T Water</i> , 2022, 2, 2645-2656. | 2.3 | 5 |
| 5806 | Kinetics and energetics of pharmacolite mineralization via the classic crystallization pathway. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 339, 70-79. | 1.6 | 1 |
| 5807 | Hydrochemistry of an ancient traditional irrigation reservoir in Padaviya, Sri Lanka. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100771. | 1.3 | 1 |
| 5808 | An insight into the binding and inhibition of eye β -crystallin by the environmental toxin arsenic: implications in eye diseases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 9134-9142. | 2.0 | 0 |
| 5809 | Stimulated leaching of metalloids along 3D-printed fractured rock vadose zone. <i>Water Research</i> , 2022, 226, 119224. | 5.3 | 11 |
| 5810 | Removal of As(III)/As(V) from aqueous solution using newly developed thiosalicylic acid coated magnetite [TSA@Fe ₃ O ₄] nanoparticles. <i>Environmental Science and Pollution Research</i> , 2023, 30, 23348-23362. | 2.7 | 4 |
| 5811 | Remediation of arsenic contaminated groundwater by electrocoagulation: Process optimization using response surface methodology. <i>Minerals Engineering</i> , 2022, 189, 107881. | 1.8 | 2 |
| 5812 | Key genes for arsenobetaine synthesis in marine medaka (<i>Oryzias melastigma</i>) by transcriptomics. <i>Aquatic Toxicology</i> , 2022, , 106349. | 1.9 | 2 |
| 5813 | Removal of arsenite and arsenate from contaminated water using Fe-ZrO-modified biochar. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108765. | 3.3 | 3 |
| 5814 | Effects of a point source of phosphorus on the arsenic mobility and transport in a small fluvial system. <i>Environmental Pollution</i> , 2022, 315, 120477. | 3.7 | 2 |
| 5815 | Efficient removal of arsenic and phosphate contaminants by diatomite-modified schwertmannite. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108808. | 3.3 | 1 |
| 5816 | Characterization and health risk assessment of arsenic in natural waters of the Indus River Basin, Pakistan. <i>Science of the Total Environment</i> , 2023, 857, 159408. | 3.9 | 8 |
| 5817 | Assessing natural background levels of geogenic contaminants in groundwater of an urbanized delta through removal of groundwaters impacted by anthropogenic inputs: New insights into driving factors. <i>Science of the Total Environment</i> , 2023, 857, 159527. | 3.9 | 15 |
| 5818 | Insight into the molecular interaction of trace As (III) and As(V) onto the hybrid anion exchanger impregnated with Fe/Mn nanoparticles (HA502P-Fe/Mn). <i>Chemical Engineering Journal</i> , 2023, 454, 139991. | 6.6 | 7 |
| 5819 | Potentially toxic elements in waters from Los Humeros geothermal power plant: Natural or anthropogenic?. <i>Groundwater for Sustainable Development</i> , 2023, 20, 100869. | 2.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5820 | The influence mechanism of hydrogeochemical environment and sulfur and nitrogen cycle on arsenic enrichment in groundwater: A case study of Hasuhai basin, China. <i>Science of the Total Environment</i> , 2023, 858, 160013. | 3.9 | 4 |
| 5821 | Pyrite oxidation under a carbonate buffer and its environmental implications: a case study from the Shangmanggang gold deposit, SW China. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2022, 22, . | 0.5 | 1 |
| 5822 | Dynamics of Spatiotemporal Variation of Groundwater Arsenic Due to Salt-Leaching Irrigation and Saline-Alkali Land. <i>Remote Sensing</i> , 2022, 14, 5586. | 1.8 | 1 |
| 5823 | Depthwise Variation of Selenium in Groundwater in Parts of Punjab, India. <i>Journal of the Geological Society of India</i> , 2022, 98, 1567-1572. | 0.5 | 1 |
| 5824 | Ocorrência natural e controles de arsênico em águas subterrâneas em uma bacia semiárida no Altiplano Mexicano. <i>Hydrogeology Journal</i> , 2022, 30, 2459-2477. | 0.9 | 4 |
| 5825 | Investigation of arsenic contamination in groundwater using hydride generation atomic absorption spectrometry. <i>Environmental Monitoring and Assessment</i> , 2023, 195, . | 1.3 | 5 |
| 5826 | Efficient Arsenate Decontamination from Water Using MgO-Iris Biochar Composite: An Equilibrium, Kinetics and Thermodynamic Study. <i>Water (Switzerland)</i> , 2022, 14, 3559. | 1.2 | 5 |
| 5827 | Towards Understanding Factors Affecting Arsenic, Chromium, and Vanadium Mobility in the Subsurface. <i>Water (Switzerland)</i> , 2022, 14, 3687. | 1.2 | 5 |
| 5828 | Physico-chemical study of the water table in the region of Mnasra, Morocco. <i>International Journal of Health Sciences</i> , 0, , 687-696. | 0.0 | 0 |
| 5829 | Accumulation of Trace Metals (Hg, As, Cd, and Pb) in Sediments from a Pleistocene Lagoon: A Case Study in Côte d'Ivoire, West Africa. <i>Chemistry Africa</i> , 2023, 6, 529-543. | 1.2 | 2 |
| 5830 | Arsenate Removal from the Groundwater Employing Maghemite Nanoparticles. <i>Water (Switzerland)</i> , 2022, 14, 3617. | 1.2 | 4 |
| 5831 | Geospatial Machine Learning Prediction of Arsenic Distribution in the Groundwater of Murshidabad District, West Bengal, India: Analyzing Spatiotemporal Patterns to Understand Human Health Risk. <i>ACS ES&T Water</i> , 2022, 2, 2409-2421. | 2.3 | 1 |
| 5832 | Adsorptive removal of arsenate from aqueous solution by iron oxide coated calcined freshwater snail shell. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-20. | 1.8 | 0 |
| 5833 | Environmental Risk of Arsenic Mobilization from Disposed Sand Filter Materials. <i>Environmental Science & Technology</i> , 2022, 56, 16822-16830. | 4.6 | 7 |
| 5834 | DFT study on TiO ₂ facet-dependent As(III) oxidation process: Importance of As(IV) species. <i>Surface Science</i> , 2023, 729, 122219. | 0.8 | 3 |
| 5835 | Optimization of Coagulation-Flocculation Process in Efficient Arsenic Removal from Highly Contaminated Groundwater by Response Surface Methodology. <i>Molecules</i> , 2022, 27, 7953. | 1.7 | 6 |
| 5836 | Arsenic and other trace elements in groundwaters and surface waters in the gold mining region of the Nigerien Liptako (Southwestern Niger). <i>Environmental Earth Sciences</i> , 2022, 81, . | 1.3 | 1 |
| 5837 | Study on the Mechanism of Arsenic-Induced Lung Injury Based on SWATH Proteomics Technology. <i>Biological Trace Element Research</i> , 2023, 201, 3882-3902. | 1.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5838 | Synthesis, modification, and adsorption properties of Yb-MOF: Kinetic and thermodynamic studies. <i>Applied Organometallic Chemistry</i> , 2023, 37, . | 1.7 | 4 |
| 5839 | Analysis of the geological control on the spatial distribution of potentially toxic concentrations of As and F- in groundwater on a Pan-European scale. <i>Ecotoxicology and Environmental Safety</i> , 2022, 247, 114161. | 2.9 | 0 |
| 5840 | The source, fate, and transport of arsenic in the Yellowstone hydrothermal system - An overview. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 432, 107709. | 0.8 | 6 |
| 5841 | Urinary arsenic and health risk of the residents association in contaminated-groundwater area of the urbanized coastal aquifer, Thailand. <i>Chemosphere</i> , 2022, , 137313. | 4.2 | 0 |
| 5842 | The Global Biogeochemical Cycle of Arsenic. <i>Global Biogeochemical Cycles</i> , 2022, 36, . | 1.9 | 8 |
| 5843 | Effects of nitrogen to phosphorus ratios on algal growth and arsenate metabolism by <i>Microcystis aeruginosa</i> with dissolved organic phosphorus and nitrate as nutrients. <i>Algal Research</i> , 2023, 69, 102922. | 2.4 | 3 |
| 5844 | Anaerobic dissolved As(III) removal from metal-polluted waters by cathode-stabilized Fe(II)-oxyhydroxides. <i>Environmental Science: Water Research and Technology</i> , 2023, 9, 454-466. | 1.2 | 1 |
| 5845 | Novel zirconia-halloysite nanotube material for arsenite adsorption from water. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109181. | 3.3 | 1 |
| 5846 | Small organic molecules as fluorescent sensors for the detection of highly toxic heavy metal cations in portable water. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109030. | 3.3 | 33 |
| 5847 | Removal of arsenic and selenium from brackish water using electrodialysis for drinking water production. <i>Desalination</i> , 2023, 548, 116298. | 4.0 | 11 |
| 5848 | Drinking water quality assessment based on index values incorporating WHO guidelines and Bangladesh standards. <i>Physics and Chemistry of the Earth</i> , 2023, 129, 103353. | 1.2 | 17 |
| 5849 | Arsenic enriched groundwater discharge to a tropical ocean: Understanding controls and processes. <i>Environmental Pollution</i> , 2023, 318, 120838. | 3.7 | 3 |
| 5850 | Mapping of surface radiogenic heat production from in situ gamma spectrometry and chemical data of exhumed mantle peridotites at the St. Peter and St. Paul archipelago (equatorial Atlantic). <i>Applied Radiation and Isotopes</i> , 2023, 192, 110608. | 0.7 | 0 |
| 5851 | Transport and transformation of arsenic in coastal aquifer at the scenario of seawater intrusion followed by managed aquifer recharge. <i>Water Research</i> , 2023, 229, 119440. | 5.3 | 7 |
| 5852 | Linking pyrogenic carbon redox property to arsenite oxidation: Impact of N-doping and pyrolysis temperature. <i>Journal of Hazardous Materials</i> , 2023, 445, 130477. | 6.5 | 3 |
| 5853 | Characterization of the Incorporation and Adsorption of Arsenate and Phosphate Ions into Iron Oxides in Aqueous Solutions. <i>Materials Transactions</i> , 2022, , . | 0.4 | 0 |
| 5854 | Hotspots of geogenic arsenic and manganese contamination in groundwater of the floodplains in lowland Amazonia (South America). <i>Science of the Total Environment</i> , 2023, 860, 160407. | 3.9 | 4 |
| 5855 | Increased Sensitivity and Selectivity for As(III) Detection at the Au(111) Surface: Single Crystals and Ultraflat Thin Films Comparison. <i>Journal of Physical Chemistry C</i> , 2022, 126, 20343-20353. | 1.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5856 | Risk assessment, spatial distribution, and source identification of heavy metals in surface soils in Zhijin County, Guizhou Province, China. <i>Environmental Monitoring and Assessment</i> , 2023, 195, . | 1.3 | 2 |
| 5857 | Retrospecting the researches and efforts on Lancang-Mekong water issues: a bibliometric perspective. <i>Water Policy</i> , 2022, 24, 1930-1950. | 0.7 | 2 |
| 5859 | Biochemical and Behavioural Alterations Induced by Arsenic and Temperature in <i>Hediste diversicolor</i> of Different Growth Stages. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 15426. | 1.2 | 2 |
| 5860 | Quality Assessment of Groundwater Based on Geochemical Modelling and Water Quality Index (WQI). <i>Water (Switzerland)</i> , 2022, 14, 3888. | 1.2 | 6 |
| 5861 | Hydrogeochemistry of thallium and other potentially toxic elements in neutral mine drainage at the decommissioned Pb Zn Raibl mine (Eastern Alps, Italy). <i>Journal of Geochemical Exploration</i> , 2022, , 107129. | 1.5 | 4 |
| 5862 | Morphology-Controlled Green Synthesis of Magnetic Nanoparticles Using Extracts of <i>Hydrilla</i> ™ Roots: Environmental Application and Toxicity Evaluation. <i>Nanomaterials</i> , 2022, 12, 4231. | 1.9 | 9 |
| 5863 | H ₂ O ₂ -Enhanced As(III) Removal from Natural Waters by Fe(III) Coagulation at Neutral pH Values and Comparison with the Conventional Fe(II)-H ₂ O ₂ Fenton Process. <i>Sustainability</i> , 2022, 14, 16306. | 1.6 | 3 |
| 5864 | A review on arsenic pollution, toxicity, health risks, and management strategies using nanoremediation approaches. <i>Reviews on Environmental Health</i> , 2022, . | 1.1 | 3 |
| 5865 | Experimental investigation of short-term warming on arsenic flux from contaminated sediments of two well-oxygenated subarctic lakes. <i>PLoS ONE</i> , 2022, 17, e0279412. | 1.1 | 4 |
| 5866 | Global Arsenic Hazard and Sustainable Development. <i>Environmental Science and Engineering</i> , 2023, , 1-12. | 0.1 | 1 |
| 5867 | Characterization of arsenic (III and V) adsorption on natural schwertmannite formed in acid coal mine drainage: Batch studies and spectroscopic observations. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109170. | 3.3 | 1 |
| 5868 | Recent developments of magnetic nanoadsorbents for remediation of arsenic from aqueous stream. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, 57, 1058-1072. | 0.9 | 1 |
| 5869 | Research Progress in Fluorescent Probes for Arsenic Species. <i>Molecules</i> , 2022, 27, 8497. | 1.7 | 5 |
| 5870 | A Comparison of Technologies for Remediation of Arsenic-Bearing Water: The Significance of Constructed Wetlands. <i>Environmental Science and Engineering</i> , 2023, , 223-245. | 0.1 | 3 |
| 5871 | Modern Aspects of Phytoremediation of Arsenic-Contaminated Soils. <i>Environmental Science and Engineering</i> , 2023, , 433-457. | 0.1 | 0 |
| 5872 | A pipeline for monitoring water pollution: The example of heavy metals in Lombardy waters. <i>Heliyon</i> , 2022, 8, e12435. | 1.4 | 3 |
| 5873 | Spatial patterns and environmental factors related to arsenic bioaccumulation in boreal freshwater fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2023, 80, 628-641. | 0.7 | 1 |
| 5875 | Stable and recyclable lanthanum hydroxide-doped graphene oxide biopolymer foam for superior aqueous arsenate removal: Insight mechanisms, batch, and column studies. <i>Chemosphere</i> , 2023, 313, 137615. | 4.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5876 | Modified oyster shell powder with iron (II) sulfate heptahydrate to improve arsenic uptake in solution and in contaminated soils. <i>Environmental Science and Pollution Research</i> , 0, , . | 2.7 | 0 |
| 5877 | Bacterial Tolerance and Biotransformation of Arsenic in Soil and Aqueous Media. <i>Environmental Science and Engineering</i> , 2023, , 375-405. | 0.1 | 0 |
| 5878 | Phytoremedial Potential of Perennial Woody Vegetation Under Arsenic Contaminated Conditions in Diverse Environments. <i>Environmental Science and Engineering</i> , 2023, , 355-373. | 0.1 | 1 |
| 5879 | Molecular Aspects of Arsenic Responsive Microbes in Soil-Plant-Aqueous Triphasic Systems. <i>Environmental Science and Engineering</i> , 2023, , 291-312. | 0.1 | 0 |
| 5881 | Arsenic in Gold Mining Wastes: An Environmental and Human Health Threat in Ghana. <i>Environmental Science and Engineering</i> , 2023, , 49-83. | 0.1 | 0 |
| 5882 | Humic acid and fulvic acid facilitate the formation of vivianite and the transformation of cadmium via microbially-mediated iron reduction. <i>Journal of Hazardous Materials</i> , 2023, 446, 130655. | 6.5 | 9 |
| 5883 | The Rural Fires of 2017 and Their Influences on Water Quality: An Assessment of Causes and Effects. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 32. | 1.2 | 1 |
| 5884 | Reduction of Dimethylarsenate to Highly Toxic Dimethylarsenite in Paddy Soil and Rice Plants. <i>Environmental Science & Technology</i> , 2023, 57, 822-830. | 4.6 | 7 |
| 5885 | The key role of biogenic arsenic sulfides in the removal of soluble arsenic and propagation of arsenic mineralizing communities. <i>Environmental Research</i> , 2023, 220, 115124. | 3.7 | 2 |
| 5886 | Identification of microbiogeochemical factors responsible for arsenic release and mobilization, and isolation of heavy metal hyper-tolerant bacterium from irrigation well water: a case study in Rural Bengal. <i>Environment, Development and Sustainability</i> , 2024, 26, 4887-4918. | 2.7 | 0 |
| 5887 | Potential human health risks associated with ingestion of heavy metals through fish consumption in the Gulf of Guinea. <i>Toxicology Reports</i> , 2023, 10, 117-123. | 1.6 | 17 |
| 5888 | Arsenic enrichment in the north Gangetic Plains of Laksar, Uttarakhand, India. <i>Groundwater for Sustainable Development</i> , 2023, 21, 100913. | 2.3 | 4 |
| 5889 | Spatial pattern of groundwater arsenic contamination in Patna, Saran, and Vaishali districts of Gangetic plains of Bihar, India. <i>Environmental Science and Pollution Research</i> , 0, , . | 2.7 | 2 |
| 5890 | The influence of gold mining wastes on the migration-transformation behavior and health risks of arsenic in the surrounding soil of mined-area. <i>Frontiers in Earth Science</i> , 0, 10, . | 0.8 | 4 |
| 5891 | The relevance of arsenic speciation analysis in health & medicine. <i>Chemosphere</i> , 2023, 316, 137735. | 4.2 | 5 |
| 5893 | Arsenic methylation behavior and microbial regulation mechanisms in landfill leachate saturated zones. <i>Environmental Pollution</i> , 2023, 320, 121064. | 3.7 | 1 |
| 5894 | Hydrochemical characterization, mechanism of mobilization, and natural background level evaluation of arsenic in the aquifers of upper Gangetic plain, India. <i>Chemie Der Erde</i> , 2023, , 125952. | 0.8 | 3 |
| 5895 | Temperature-induced arsenic accumulation in groundwater from Pliocene aquifers of a semiarid continental basin. <i>Geochimica Et Cosmochimica Acta</i> , 2023, 343, 98-114. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5896 | Arsenopyrite dissolution in circumneutral oxic environments: The effect of pyrophosphate and dissolved Mn(III). <i>Water Research</i> , 2023, 230, 119595. | 5.3 | 1 |
| 5897 | Arsenic effects and behavior during the transformation of struvite to newberyite: Implications for applications of green fertilizers. <i>Chemical Engineering Journal</i> , 2023, 458, 141396. | 6.6 | 3 |
| 5898 | Health risk assessment and differential distribution of Arsenic and metals in organs of <i>Urophycis brasiliensis</i> a commercial fish from Southwestern Atlantic coast. <i>Marine Pollution Bulletin</i> , 2023, 187, 114499. | 2.3 | 5 |
| 5899 | RELATIONSHIPS BETWEEN ELEMENTS FOUND IN AKTARMA (BALIKESIR) STREAM SEDIMENT SAMPLES. , 2022, 9, 530-539. | | 1 |
| 5900 | As(III) removal from aqueous solutions using simultaneous oxidation and adsorption process by hierarchically magnetic flower-like Fe ₃ O ₄ @C-dot@MnO ₂ nanocomposite. <i>Journal of Environmental Health Science & Engineering</i> , 2023, 21, 47-61. | 1.4 | 1 |
| 5901 | Mine waste water self-purification (arsenic) in neutral hydrogeochemical ecosystem: A case study from V-Ti-Fe mine tailings. <i>Chemie Der Erde</i> , 2023, 83, 125947. | 0.8 | 2 |
| 5902 | Green synthesis of silver nanoparticles and its application towards As(V) removal from aqueous systems. <i>Digest Journal of Nanomaterials and Biostructures</i> , 2022, 17, 1385-1398. | 0.3 | 2 |
| 5903 | Preparation of magnetic core-shell Ce-doped zirconia and its As(III) adsorption properties. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 4156-4170. | 1.7 | 1 |
| 5904 | From conventional to advanced materials for arsenic removal from groundwaters. , 2023, , 277-298. | | 0 |
| 5905 | A review on different arsenic removal techniques used for decontamination of drinking water. <i>Environmental Pollutants and Bioavailability</i> , 2023, 35, . | 1.3 | 15 |
| 5906 | A novel strategy for arsenic removal from acid wastewater via strong reduction processing. <i>Environmental Science and Pollution Research</i> , 2023, 30, 43886-43900. | 2.7 | 3 |
| 5907 | A review on arsenic status in environmental compartments from Pakistan. <i>Arabian Journal of Geosciences</i> , 2023, 16, . | 0.6 | 3 |
| 5908 | Nanoporous Zeolitic Imidazolate Framework-8 Nanoparticles for Arsenic Removal. <i>ACS Applied Nano Materials</i> , 2023, 6, 1744-1754. | 2.4 | 2 |
| 5909 | Potentially toxic elements (As, Cd, Cr, Hg, and Pb), their provenance and removal from potable and wastewaters. , 2023, , 137-182. | | 0 |
| 5910 | Role of microorganisms in alleviation of arsenic toxicity in plants. , 2023, , 263-281. | | 1 |
| 5912 | Prospects of fish scale and fin samples usage for nonlethal monitoring of metal contamination: a study on five fish species from the Danube River. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2023, , 4. | 0.5 | 1 |
| 5913 | Practical Strategy for Arsenic(III) Electroanalysis without Modifier in Natural Water: Triggered by Iron Group Ions in Solution. <i>Analytical Chemistry</i> , 2023, 95, 4104-4112. | 3.2 | 2 |
| 5914 | Characteristics and Source Analysis of High-Arsenic Groundwater in Typical Watershed Areas of Tibet, China. <i>Water (Switzerland)</i> , 2023, 15, 533. | 1.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5915 | Recent progress, bottlenecks, improvement strategies and the way forward of membrane distillation technology for arsenic removal from water: A review. <i>Journal of Water Process Engineering</i> , 2023, 52, 103504. | 2.6 | 12 |
| 5916 | Integrated approach to testing and assessment and development in arsenic toxicology. , 2023, , 821-870. | | 0 |
| 5917 | Arsenic and developmental toxicity and reproductive disorders. , 2023, , 593-605. | | 0 |
| 5918 | Environmental Risk Assessment, Principal Component Analysis, Tracking the Source of Toxic Heavy Metals of Solid Gold Mine Waste Tailings, South Africa. <i>Environmental Forensics</i> , 0, , 1-17. | 1.3 | 1 |
| 5919 | Arsenic and diabetes mellitus: a putative role for the immune system. <i>International Journal of Transgender Health</i> , 2023, 16, . | 1.1 | 0 |
| 5920 | Electrochemical remediation of arsenic and fluoride from water: A review of the current state and future prospects. <i>Environmental Technology and Innovation</i> , 2023, 31, 103148. | 3.0 | 5 |
| 5921 | Fine gold grains inside the limonite in the supergene Shangmanggang gold deposit, SW China: Implications for gold mobilization and mineral exploration. <i>Journal of Geochemical Exploration</i> , 2023, 248, 107193. | 1.5 | 0 |
| 5922 | Sediment arsenic remediation by submerged macrophytes via root-released O ₂ and microbe-mediated arsenic biotransformation. <i>Journal of Hazardous Materials</i> , 2023, 449, 131006. | 6.5 | 8 |
| 5923 | As(III) removal by a recyclable granular adsorbent through dopping Fe-Mn binary oxides into graphene oxide chitosan. <i>International Journal of Biological Macromolecules</i> , 2023, 237, 124184. | 3.6 | 6 |
| 5924 | Fingerprinting of heavy metal and microbial contamination uncovers the unprecedented scale of water pollution and its implication on human health around transboundary Hudiara drain in South Asia. <i>Environmental Technology and Innovation</i> , 2023, 30, 103040. | 3.0 | 0 |
| 5925 | Removal and environmentally safe disposal of As(III) and As(V)-loaded ferrihydrite/biosilica composites. <i>Journal of Environmental Management</i> , 2023, 335, 117489. | 3.8 | 2 |
| 5926 | Remobilization of legacy arsenic from sediment in a large subarctic waterbody impacted by gold mining. <i>Journal of Hazardous Materials</i> , 2023, 452, 131230. | 6.5 | 3 |
| 5927 | Arsenic triggered nano-sized uranyl arsenate precipitation on the surface of <i>Kocuria rosea</i> . <i>Journal of Environmental Radioactivity</i> , 2023, 262, 107168. | 0.9 | 2 |
| 5928 | Oxidative stress response of scallop <i>Aequipecten tehuelchus</i> from Patagonia Argentina exposed to inorganic arsenic. <i>Regional Studies in Marine Science</i> , 2023, 62, 102944. | 0.4 | 0 |
| 5929 | Spatial and seasonal variation of arsenic speciation in Pantanal soda lakes. <i>Chemosphere</i> , 2023, 329, 138672. | 4.2 | 1 |
| 5930 | Sequestration and oxidation of heavy metals mediated by Mn(II) oxidizing microorganisms in the aquatic environment. <i>Chemosphere</i> , 2023, 329, 138594. | 4.2 | 10 |
| 5931 | Natural arsenic-rich spring waters discharging from the Austin Chalk, North-Central Texas, USA: Mineral and chemical evidence of pyrite oxidation followed by reductive dissolution of neo-formed Fe(III) oxides/oxyhydroxides. <i>Applied Geochemistry</i> , 2023, 150, 105547. | 1.4 | 0 |
| 5932 | The role of electron donors in arsenic-release by redox-transformation of iron oxide minerals – A review. <i>Chemical Geology</i> , 2023, 619, 121322. | 1.4 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5933 | Adsorptive removal of arsenic ions from contaminated water using low-cost schwertmannites and akaganite. <i>Materials Chemistry and Physics</i> , 2023, 297, 127411. | 2.0 | 5 |
| 5934 | Accumulation and speciation of arsenic in <i>Eisenia fetida</i> in sodium arsenite spiked soils - A dynamic interaction between soil and earthworms. <i>Chemosphere</i> , 2023, 319, 137905. | 4.2 | 3 |
| 5935 | Distribution of Enhanced Potentially Toxic Element Contaminations Due to Natural and Coexisting Gold Mining Activities Using Planet Smallsat Constellations. <i>Remote Sensing</i> , 2023, 15, 861. | 1.8 | 3 |
| 5936 | Arsenic and Boron in Felsic Rocks: A Review. <i>Journal of the Geological Society of India</i> , 2023, 99, 165-168. | 0.5 | 0 |
| 5938 | A critical review of arsenic occurrence, fate and transport in natural and modified groundwater systems in The Netherlands. <i>Applied Geochemistry</i> , 2023, 150, 105596. | 1.4 | 3 |
| 5939 | Critical evaluation of hybrid metal-organic framework composites for efficient treatment of arsenic-contaminated solutions by adsorption and membrane separation process. <i>Chemical Engineering Journal</i> , 2023, 461, 141789. | 6.6 | 10 |
| 5940 | Trace Element Occurrence in Vegetable and Cereal Crops from Parts of Asia: A Meta-data Analysis of Crop-Wise Differences. <i>Current Pollution Reports</i> , 0, . | 3.1 | 1 |
| 5941 | Dissolved Organic Matter Sources in High Arsenic Groundwater From a Sand-Gravel Confined Aquifer. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, . | 1.3 | 5 |
| 5942 | Predictions of Arsenic in Domestic Well Water Sourced from Alluvial Aquifers of the Western Great Basin, USA. <i>Environmental Science & Technology</i> , 2023, 57, 3124-3133. | 4.6 | 6 |
| 5943 | Key drivers regulating arsenic enrichment in shallow groundwater of the Pearl River Delta: Comprehensive analyses of iron, competitive anions, and dissolved organic matter. <i>Applied Geochemistry</i> , 2023, 151, 105602. | 1.4 | 7 |
| 5944 | Sulfate reduction accelerates groundwater arsenic contamination even in aquifers with abundant iron oxides. , 2023, 1, 151-165. | | 8 |
| 5945 | Environmental arsenic exposure by ancient Andeans: Measurement of As in mummy hair using LA-ICP-MS. <i>Journal of Archaeological Science: Reports</i> , 2023, 48, 103883. | 0.2 | 0 |
| 5946 | Dark Side of Ammonium Nitrogen in Paddy Soil with Low Organic Matter: Stimulation of Microbial As(V) Reduction and As(III) Transfer from Soil to Rice Grains. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 3670-3680. | 2.4 | 2 |
| 5947 | New geochemical data for defining origin and distribution of mercury in groundwater of a coastal area in southern Tuscany (Italy). <i>Environmental Science and Pollution Research</i> , 2023, 30, 50920-50937. | 2.7 | 0 |
| 5948 | Understanding the adsorption of iron oxide nanomaterials in magnetite and bimetallic form for the removal of arsenic from water. <i>Frontiers in Environmental Science</i> , 0, 11, . | 1.5 | 1 |
| 5949 | Assessing and Understanding Arsenic Contamination in Agricultural Soils and Lake Sediments from Papallacta Rural Parish, Northeastern Ecuador, via Ecotoxicology Factors, for Environmental Embasement. <i>Sustainability</i> , 2023, 15, 3951. | 1.6 | 7 |
| 5950 | Arsenic Contamination in Groundwater: Geochemical Basis of Treatment Technologies. <i>ACS Environmental Au</i> , 2023, 3, 135-152. | 3.3 | 8 |
| 5951 | The Acute Impact of Arsenic As(III) on the Prokaryotic Community Composition and Selected Bacterial Strains Based on Microcosm Experiments. <i>Geomicrobiology Journal</i> , 2023, 40, 413-426. | 1.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5954 | Comparison of antimony and arsenic behaviour at the river-lake junction in the middle of the Yangtze River Basin. <i>Journal of Environmental Sciences</i> , 2024, 136, 189-200. | 3.2 | 5 |
| 5955 | The Application of Sulfate-Reducing Bacteria in the Bioremediation of Heavy Metals and Metalloids. <i>Applied Biochemistry and Microbiology</i> , 2022, 58, S1-S15. | 0.3 | 2 |
| 5956 | å©é¹...æ²é•žæ±Yæ•...é“æ¹žåœ°åœ°ä,æ°´ç·çš,,æ—¶ç©ªå~†å¸fç%°¹å³/4åšæžŠå~¶æœ°ç†. <i>Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth and Planetary Science Letters</i> , 2022, 47, 4161. | 0.1 | 1 |
| 5957 | Environmental toxicology of arsenic to wildlife (nonhuman species): Exposure, accumulation, toxicity, and regulations. , 2023, , 791-820. | | 1 |
| 5958 | Postsynthesis of Î²-FeOOH/SBA-15 composites via mild ozone treatment: Effective surfactant removal and perfect property preservation for enhanced arsenic adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109597. | 3.3 | 0 |
| 5959 | Biochemical and molecular basis of arsenic toxicity and tolerance in microbes and plants. , 2023, , 709-759. | | 0 |
| 5960 | Arsenic in the marine environmentâ€”Contents, speciation, and its biotransformation. , 2023, , 761-789. | | 1 |
| 5961 | Arsenic Removal by Adsorbents from Water for Small Communitiesâ€™ Decentralized Systems: Performance, Characterization, and Effective Parameters. <i>Clean Technologies</i> , 2023, 5, 352-402. | 1.9 | 4 |
| 5962 | Speciated and Total Urinary Arsenic Levels in Belo Horizonte, the Largest Brazilian City within the Mineral-Rich Region â€œIron Quadrangleâ€• Exposure and Health, 2024, 16, 101-118. | 2.8 | 0 |
| 5963 | Kinetic Study of the Influence of Humic Acids on the Oxidation of As(III) by Acid Birnessite. <i>ACS ES&T Water</i> , 2023, 3, 1060-1070. | 2.3 | 7 |
| 5964 | Trace element loads in the Great Lakes Basin: A reconnaissance. <i>Journal of Great Lakes Research</i> , 2023, 49, 640-650. | 0.8 | 2 |
| 5965 | Microbial isolation and characterization of arsenic degrading microbes from soil and its RAPD analysis for bioremediation. <i>Biomedical and Biotechnology Research Journal</i> , 2023, 7, 93. | 0.3 | 0 |
| 5966 | A review on arsenic in the environment: contamination, mobility, sources, and exposure. <i>RSC Advances</i> , 2023, 13, 8803-8821. | 1.7 | 21 |
| 5967 | Microbial diversity and processes in groundwater. , 2023, , 211-240. | | 0 |
| 5968 | Plasma membrane-associated calcium signaling regulates arsenate tolerance in Arabidopsis. <i>Plant Physiology</i> , 2023, 192, 910-926. | 2.3 | 5 |
| 5969 | The distribution characteristics and geological control factors of shallow high-arsenic groundwater in the Hetao Plain, Inner Mongolia, from the perspective of Late Pleistoceneâ€“Holocene depositional environments. <i>Environmental Science and Pollution Research</i> , 0, , . | 2.7 | 1 |
| 5970 | Fe/S oxidation-coupled arsenic speciation transformation mediated by AMD enrichment culture under different pH conditions. <i>Journal of Environmental Sciences</i> , 2024, 137, 681-700. | 3.2 | 3 |
| 5971 | A review on the design and application of bi-functionalized adsorbents to remove different pollutants from water. <i>Journal of Water Process Engineering</i> , 2023, 53, 103636. | 2.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5972 | Comparison between Different Technologies (Zerovalent Iron, Coagulation-Flocculation, Adsorption) for Arsenic Treatment at High Concentrations. <i>Water (Switzerland)</i> , 2023, 15, 1481. | 1.2 | 12 |
| 5973 | Geographic distribution of arsenic contamination in the Himalayan Rivers flowing through Pakistan: Implications for its natural source and effects of anthropogenic activities. <i>International Journal of Sediment Research</i> , 2023, 38, 543-555. | 1.8 | 5 |
| 5974 | Silicic volcanic rocks, a main regional source of geogenic arsenic in waters: Insights from the Altiplano-Puna plateau, Central Andes. <i>Chemical Geology</i> , 2023, 629, 121473. | 1.4 | 1 |
| 5975 | Environmental impact of potentially toxic elements on soils, sediments, waters, and air nearby an abandoned Hg-rich fahlore mine (Mt. Avanza, Carnic Alps, NE Italy). <i>Environmental Science and Pollution Research</i> , 2023, 30, 63754-63775. | 2.7 | 4 |
| 5976 | Future of photovoltaic materials with emphasis on resource availability, economic geology, criticality, and market size/growth. <i>CIM Journal</i> , 2023, 14, 133-157. | 0.3 | 2 |
| 5977 | Application of BCXZM Composite for Arsenic Removal: EPS Production, Biotransformation and Immobilization of Bacillus XZM on Corn Cobs Biochar. <i>Biology</i> , 2023, 12, 611. | 1.3 | 0 |
| 5978 | Geochemical evidence of fluoride behavior in loess and its influence on seepage characteristics: An experimental study. <i>Science of the Total Environment</i> , 2023, 882, 163564. | 3.9 | 9 |
| 5979 | Imogolite prepared from cement kiln dust removes arsenite from water. <i>Environmental Technology and Innovation</i> , 2023, 31, 103142. | 3.0 | 0 |
| 5980 | Inorganic arsenic concentration in Idaho fish tissue governed by trophic level and size, not water column concentration: implications for human health water quality criteria.. <i>Environmental Toxicology and Chemistry</i> , 0, , . | 2.2 | 0 |
| 5981 | As and S speciation in a submarine sulfide mine tailings deposit and its environmental significance: The study case of Portmán Bay (SE Spain). <i>Science of the Total Environment</i> , 2023, 882, 163649. | 3.9 | 1 |
| 6005 | Arsenic agronomical-related aspects and bioremediation. , 2023, , 47-84. | | 0 |
| 6048 | Consequences of arsenic exposure in Plant-health status: an overview. , 0, , . | | 0 |
| 6049 | Arsenic Toxicity in Fish: Sources and Impacts. , 0, , . | | 0 |
| 6050 | Arsenic in Environment - Sources, Implications and Remedies. , 0, , . | | 1 |
| 6055 | A review on the removal of methylene blue dye from simulated wastewater by cement kiln dust (CKD). <i>AIP Conference Proceedings</i> , 2023, , . | 0.3 | 0 |
| 6066 | Prediction Of Groundwater Level Using Advance Machine Learning Techniques. , 2023, , . | | 0 |
| 6081 | Surface-modified ultrafiltration and nanofiltration membranes for the selective removal of heavy metals and inorganic groundwater contaminants: a review. <i>Environmental Science: Water Research and Technology</i> , 2023, 9, 2803-2829. | 1.2 | 1 |
| 6094 | Heavy Metal/Metalloid Contamination: Their Sources in Environment and Accumulation in Food Chain. , 2023, , 19-47. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 6096 | Heavy Metal Contamination in Groundwater: Environmental Concerns and Mitigation Measures. , 2023, , 139-165. | | 0 |
| 6101 | Engineered Magnetic Nanoparticles as Environmental Remediation Agents. , 2023, , 163-192. | | 0 |
| 6103 | Biostimulants in the alleviation of metal toxicity: an overview. , 2023, , 1-19. | | 0 |
| 6104 | A review on arsenic removal from wastewater using carbon nanotube and graphene-based nanomaterials as adsorbents. Nanotechnology for Environmental Engineering, 0, , | 2.0 | 0 |
| 6114 | Air pollution biogeochemistry. , 2024, , 225-258. | | 0 |
| 6127 | A Comprehensive Overview of Vital Water Quality Parameters. Lecture Notes in Civil Engineering, 2024, , 1-20. | 0.3 | 0 |
| 6133 | Hydrologic fluxes of iron in groundwater ecosystems: Implications for global risks and challenges. , 2024, , 215-238. | | 0 |
| 6172 | Green magnetic nanoparticles: a comprehensive review of recent progress in biomedical and environmental applications. Journal of Materials Science, 2024, 59, 325-358. | 1.7 | 2 |
| 6180 | Redox processes in groundwater. , 2023, , . | | 0 |
| 6181 | Effect of landfill leachate on arsenic migration and transformation in shallow groundwater systems. Environmental Science and Pollution Research, 2024, 31, 5032-5042. | 2.7 | 1 |
| 6200 | Occurrence, Behaviour and Transport of Heavy Metals from Industries in River Catchments. Handbook of Environmental Engineering, 2023, , 205-277. | 0.2 | 1 |
| 6205 | Arsenic contamination of groundwater in the Gangetic West Bengal (India) and its impact on human health, society, and economy. , 2024, , 371-391. | | 0 |
| 6210 | Arsenic and iron removal by zero-valent iron and electrocoagulation. , 2024, , 69-90. | | 0 |
| 6211 | Simultaneous arsenic and iron removal by adsorbent-assisted, hybrid microfiltration technology for point-of-use application. , 2024, , 91-121. | | 0 |
| 6230 | Performance of electrocoagulation process for the removal of arsenic from drinking water. , 2024, , 221-236. | | 0 |
| 6232 | The geochemistry of continental hydrothermal systems. , 2024, , . | | 0 |
| 6252 | Metal(loid) Source and Effects on Peri-Urban Agriculture/Aquaculture Sediments. , 2024, , 133-164. | | 0 |
| 6254 | Source Generation of Arsenic Species and Spatial Distribution in Benthic Ecosystem: A Review. Emerging Contaminants and Associated Treatment Technologies, 2024, , 65-80. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 6255 | Recovery of Heavy Metals by Biosorption and Regeneration of the Adsorbents. Advances in Environmental Engineering and Green Technologies Book Series, 2024, , 291-306. | 0.3 | 0 |
| 6256 | Analytical Tools for Arsenic Speciation in Soil, Water, and Plant: An Overview. Emerging Contaminants and Associated Treatment Technologies, 2024, , 3-25. | 0.4 | 0 |
| 6257 | The Dichotomy of the Journey of Arsenic from the Soil Uptake in Plants and Down into Water: A Review. Emerging Contaminants and Associated Treatment Technologies, 2024, , 47-64. | 0.4 | 0 |