

Arsenic removal from water/wastewater using adsorbed

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Application of fly ash agglomerates in the sorption of arsenic. Polish Journal of Chemical Technology, 2007, 9, 37-41.	0.3	9
2	Layered Double Hydroxide Based Polymer Nanocomposites. Advances in Polymer Science, 2007, , 101-168.	0.4	138
3	Hierarchical Nanostructured Copper Oxide and Its Application in Arsenic Removal. Journal of Physical Chemistry C, 2007, 111, 18624-18628.	1.5	121
4	Sorption Removal of Arsenic(V) by Sn-loaded Poly(hydroxamic) Acid Chelating Resin. Journal of Ion Exchange, 2007, 18, 240-245.	0.1	4
5	Adsorption of polluting substances on activated carbons prepared from rice husk and sugarcane bagasse. Chemical Engineering Journal, 2008, 144, 42-50.	6.6	181
6	Synthesis and characterization of nanostructure hydrous iron-titanium binary mixed oxide for arsenic sorption. Journal of Nanoparticle Research, 2008, 10, 1361-1368.	0.8	24
7	Adsorption mechanism of arsenate by zirconyl-functionalized activated carbon. Journal of Colloid and Interface Science, 2008, 317, 228-234.	5.0	48
8	Arsenic removal from an aqueous solution by modified <i>A. niger</i> biomass: Batch kinetic and isotherm studies. Journal of Hazardous Materials, 2008, 150, 818-825.	6.5	126
9	Simultaneous removal of perchlorate and arsenate by ion-exchange media modified with nanostructured iron (hydr)oxide. Journal of Hazardous Materials, 2008, 152, 397-406.	6.5	65
10	Wastewater treatment using low cost activated carbons derived from agricultural byproducts—A case study. Journal of Hazardous Materials, 2008, 152, 1045-1053.	6.5	222
11	Removal of As(V) and As(III) by reclaimed iron-oxide coated sands. Journal of Hazardous Materials, 2008, 153, 817-826.	6.5	83
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15	An effective adsorbent developed from municipal solid waste and coal co-combustion ash for As(V) removal from aqueous solution. Journal of Hazardous Materials, 2008, 159, 313-318.	6.5	29
16	Agricultural waste material as potential adsorbent for sequestering heavy metal ions from aqueous solutions – A review. Bioresource Technology, 2008, 99, 6017-6027.	4.8	1,344
17	Adsorption of a few heavy metals on natural and modified kaolinite and montmorillonite: A review. Advances in Colloid and Interface Science, 2008, 140, 114-131.	7.0	1,198
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19	Differential precipitation of copper and nickel from acidic polymetallic aqueous solutions. <i>Hydrometallurgy</i> , 2008, 90, 137-146.	1.8	43
20	Adsorption of arsenate and arsenite anions from aqueous medium by using metal(III)-loaded amberlite resins. <i>Hydrometallurgy</i> , 2008, 91, 138-143.	1.8	57
21	Arsenic Release from a Natural Rock under Near-natural Oxidizing Conditions. <i>Engineering in Life Sciences</i> , 2008, 8, 622-630.	2.0	9
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27	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
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596	Defluoridation of drinking water using adsorption processes. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 1-19.	6.5	263
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1218	Adsorption kinetic properties of As(III) on synthetic nano Fe-Mn binary oxides. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 699-706.	1.1	4
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1233	Mapping of arsenic contamination severity in Bahraich district of Ghagra basin, Uttar Pradesh, India. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 101-112.	2.0	9
1234	Adsorption of As(V) on zirconium-based adsorbents. <i>Desalination and Water Treatment</i> , 2016, 57, 1766-1778.	1.0	3
1235	Removal of lead ions using hydroxyapatite nano-material prepared from phosphogypsum waste. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 357-365.	2.4	94
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1285	Absorption and translocation of copper and arsenic in an aquatic macrophyte <i>Myriophyllum alterniflorum</i> DC. in oligotrophic and eutrophic conditions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11129-11136.	2.7	13
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1330	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

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1345	CoFe2O4@MIL-100(Fe) hybrid magnetic nanoparticles exhibit fast and selective adsorption of arsenic with high adsorption capacity. <i>Scientific Reports</i> , 2017, 7, 40955.	1.6	75
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1351	Heavy metals removal by EDTA-functionalized chitosan graphene oxide nanocomposites. <i>RSC Advances</i> , 2017, 7, 9764-9771.	1.7	156
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1359	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
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1468	Metal-support interactions in catalysts for environmental remediation. <i>Environmental Science: Nano</i> , 2017, 4, 2076-2092.	2.2	79
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1615	Synthesis of magnetite from raw mill scale and its application for arsenate adsorption from contaminated water. <i>Chemosphere</i> , 2018, 203, 90-95.	4.2	44
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1620	A review on modification methods of adsorbents for elemental mercury from flue gas. <i>Chemical Engineering Journal</i> , 2018, 346, 692-711.	6.6	147
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1623	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
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1628	As(III) and As(V) adsorption on manganese ferrite nanoparticles. <i>Journal of Molecular Structure</i> , 2018, 1154, 524-534.	1.8	68
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1635	High performance hydroxyiron modified montmorillonite nanoclay adsorbent for arsenite removal. <i>Chemical Engineering Journal</i> , 2018, 335, 1-12.	6.6	87
1636	Chemical and toxicological assessment of arsenic sorption onto Fe-sericite composite powder and beads. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 80-85.	2.9	18
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1642	In situ arsenic oxidation and sorption by a Fe-Mn binary oxide waste in soil. <i>Journal of Hazardous Materials</i> , 2018, 342, 724-731.	6.5	70
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1644	Adsorption combined with superconducting high gradient magnetic separation technique used for removal of arsenic and antimony. <i>Journal of Hazardous Materials</i> , 2018, 343, 36-48.	6.5	66
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1650	Synthesis of non-toxic As and Cr nanoparticles through redox activity of highly flexible layered coordination polymer of Ni(II). <i>Nanotechnology</i> , 2018, 29, 105601.	1.3	1
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1652	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
1653	Chemical states of arsenic contained in sewage sludge incineration ash and insolubilized material. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 955-964.	1.6	1
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1656	Removal of arsenic from gold processing circuits by use of novel magnetic nanoparticles. <i>Canadian Metallurgical Quarterly</i> , 2018, 57, 399-404.	0.4	4
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1663	Phytofiltration of arsenic by aquatic moss (<i>Warnstorfia fluitans</i>). <i>Environmental Pollution</i> , 2018, 237, 1098-1105.	3.7	34
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1709	Wastewater Treatment: An Overview. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 1-21.	0.3	32
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1925	Arsenic Removal from Water by Adsorption onto Iron Oxide/Nano-Porous Carbon Magnetic Composite. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3732.	1.3	62
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1927	Adsorptive Removal of Arsenic from Aqueous Environment. <i>Journal of Chemical Engineering of Japan</i> , 2019, 52, 829-834.	0.3	5
1928	Assessment of arsenic concentration along a surface water flow path from Zarshuran gold mine to the downstream residential area. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	10
1929	Antimony(III/IV) removal from industrial wastewaters: treatment of spent catalysts formally used in the SOHIO acrylonitrile process. <i>Water Science and Technology</i> , 2019, 80, 529-540.	1.2	9
1930	Arsenic(III) Removal by Nanostructured Dialdehyde Cellulose-Cysteine Microscale and Nanoscale Fibers. <i>ACS Omega</i> , 2019, 4, 22008-22020.	1.6	66
1931	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
1932	β-cyclodextrin functionalized biochars as novel sorbents for high-performance of Pb ²⁺ removal. <i>Journal of Hazardous Materials</i> , 2019, 362, 206-213.	6.5	68
1933	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
1934	Evaluation of the effectiveness of in situ stabilization in the field aged arsenic-contaminated soil: Chemical extractability and biological response. <i>Journal of Hazardous Materials</i> , 2019, 367, 137-143.	6.5	31
1935	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
1936	Simultaneous removal of arsenic and fluoride from synthetic solution through continuous electrocoagulation: Operating cost and sludge utilization. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102829.	3.3	51
1937	Technology alternatives for decontamination of arsenic-rich groundwater – A critical review. <i>Environmental Technology and Innovation</i> , 2019, 13, 277-303.	3.0	101
1938	Arsenite oxidation by a facultative chemolithotrophic <i>Delftia</i> spp. BAs29 for its potential application in groundwater arsenic bioremediation. <i>International Biodeterioration and Biodegradation</i> , 2019, 136, 55-62.	1.9	42

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1941	Catalytic degradation of O-cresol using H ₂ O ₂ onto Algerian Clay- <i>Na</i> . <i>Water Environment Research</i> , 2019, 91, 165-174.	1.3	6
1942	Agronomic Strategies for Reducing Arsenic Risk in Rice. <i>Current Topics in Environmental Health and Preventive Medicine</i> , 2019, , 181-198.	0.1	6
1943	Arsenic Contamination in Asia. <i>Current Topics in Environmental Health and Preventive Medicine</i> , 2019, , .	0.1	4
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1945	Impact of eutrophication on arsenic cycling in freshwaters. <i>Water Research</i> , 2019, 150, 191-199.	5.3	47
1946	Recent Advances of Multifunctional Cellulose-Based Hydrogels. <i>Polymers and Polymeric Composites</i> , 2019, , 37-64.	0.6	2
1947	Synthesis and characterization of polyethersulfone membranes impregnated with (3-aminopropyltriethoxysilane) APTES-Fe ₃ O ₄ nanoparticles for As(V) removal from water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102875.	3.3	34
1948	Interaction of arsenic(III) and arsenic(V) on manganese dioxide: XPS and electrochemical investigations. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 277-285.	0.9	17
1949	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
1950	Performance of Freshly Generated Magnesium Hydroxide (FGMH) for Reactive Dye Removal. <i>Colloids and Interface Science Communications</i> , 2019, 28, 34-40.	2.0	22
1951	Synthesis and adsorption behavior of mesoporous alumina and Fe-doped alumina for the removal of dominant arsenic species in contaminated waters. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102901.	3.3	50
1952	Preparation and characterization of a novel hydrophilic PVDF/PVA/Al ₂ O ₃ nanocomposite membrane for removal of As(V) from aqueous solutions. <i>Polymer Composites</i> , 2019, 40, 2452-2461.	2.3	23
1953	Redox synergistic Mn-Al-Fe and Cu-Al-Fe ternary metal oxide nano adsorbents for arsenic remediation with environmentally stable As(0) formation. <i>Journal of Hazardous Materials</i> , 2019, 364, 519-530.	6.5	45
1954	Functionalized magnetic nanomaterials for rapid and effective adsorptive removal of fluoroquinolones: Comprehensive experimental cum computational investigations. <i>Journal of Hazardous Materials</i> , 2019, 364, 621-634.	6.5	26
1955	Performance comparison of hematite (Î±-Fe ₂ O ₃)-polymer composite and core-shell nanofibers as point-of-use filtration platforms for metal sequestration. <i>Water Research</i> , 2019, 148, 492-503.	5.3	41
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1958	Treatment and Recycling of Wastewater from Pharmaceutical Industry. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2019, , 267-302.	0.2	9
1959	Tartaric acid-induced photoreductive dissolution of schwertmannite loaded with As(III) and the release of adsorbed As(III). <i>Environmental Pollution</i> , 2019, 245, 711-718.	3.7	18
1960	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
1961	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
1962	Clay based nanocomposites for removal of heavy metals from water: A review. <i>Journal of Environmental Management</i> , 2019, 232, 803-817.	3.8	234
1963	Removal of heavy metal ions from aqueous system by ion-exchange and biosorption methods. <i>Environmental Chemistry Letters</i> , 2019, 17, 729-754.	8.3	388
1964	Synthesis of fly ash based zeolite-reduced graphene oxide composite and its evaluation as an adsorbent for arsenic removal. <i>Chemosphere</i> , 2019, 219, 504-509.	4.2	70
1965	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
1966	Arsenite removal from groundwater in a batch electrocoagulation process: Optimization through response surface methodology. <i>Separation Science and Technology</i> , 2019, 54, 775-785.	1.3	27
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1968	Facile chemical synthesis and novel application of zinc oxysulfide nanomaterial for instant and superior adsorption of arsenic from water. <i>Journal of Cleaner Production</i> , 2019, 208, 458-469.	4.6	40
1969	Activated carbons of varying pore structure eliminate the bioavailability of 2,3,7,8-tetrachlorodibenzo-p-dioxin to a mammalian (mouse) model. <i>Science of the Total Environment</i> , 2019, 650, 2231-2238.	3.9	6
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1971	Facile fabrication of composition-tunable Fe/Mg bimetal-organic frameworks for exceptional arsenate removal. <i>Chemical Engineering Journal</i> , 2019, 357, 579-588.	6.6	124
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1973	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
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1976	Simultaneous removal of arsenic and antimony from mining wastewater using granular TiO ₂ : Batch and field column studies. <i>Journal of Environmental Sciences</i> , 2019, 75, 269-276.	3.2	39
1977	A low cost hydrophobic kaolin hollow fiber membrane (h-KHFM) for arsenic removal from aqueous solution via direct contact membrane distillation. <i>Separation and Purification Technology</i> , 2019, 214, 31-39.	3.9	75
1978	Evaluation of natural goethite on the removal of arsenate and selenite from water. <i>Journal of Environmental Sciences</i> , 2019, 76, 133-141.	3.2	42
1979	Acid functionalized-nanoporous carbon/MnO ₂ composite for removal of arsenic from aqueous medium. <i>Arabian Journal of Chemistry</i> , 2019, 12, 5200-5211.	2.3	17
1980	FeOOH-modified clay sorbents for arsenic removal from aqueous solutions. <i>Environmental Technology and Innovation</i> , 2019, 13, 364-372.	3.0	37
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1982	Toxic Metals in Industrial Wastewaters and Phytoremediation Using Aquatic Macrophytes for Environmental Pollution Control: An Eco-Remedial Approach. , 2020, , 257-282.		7
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1984	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
1985	An ultrasound assisted reductive method for preparation of MnO ₂ : modification of XAD and application in removal of arsenic. <i>Separation Science and Technology</i> , 2020, 55, 1715-1723.	1.3	4
1986	Value adding industrial solid wastes: impact of industrial solid wastes upon copper removal performance of synthesized low cost adsorbents. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 835-848.	1.2	7
1987	Arsenic removal from groundwater in Kütahya, Turkey, by novel calcined modified hydrotalcite. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1335-1345.	1.8	5
1988	Overview of biochar production from preservative-treated wood with detailed analysis of biochar characteristics, heavy metals behaviors, and their ecotoxicity. <i>Journal of Hazardous Materials</i> , 2020, 384, 121356.	6.5	73
1989	Removal of Cr(VI) species from water with a newly-designed adsorptive treatment train. <i>Separation and Purification Technology</i> , 2020, 234, 116041.	3.9	9
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1991	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
1992	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

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1994	Removal of arsenic from aqueous solution using microflower-like Bi_2O_3 as adsorbent: adsorption characteristics and mechanisms. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 2026-2036.	1.3	6
1995	Biosorption of Arsenic: An Emerging Eco-technology of Arsenic Detoxification in Drinking Water. <i>Advances in Water Security</i> , 2020, , 207-230.	0.8	9
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1998	Arsenic Water Resources Contamination. <i>Advances in Water Security</i> , 2020, , .	0.8	6
1999	Wonders of Nanotechnology for Remediation of Polluted Aquatic Environs. , 2020, , 319-339.		24
2000	Thermodynamic, kinetic and equilibrium isotherm studies of As(V) adsorption by Fe(III)-impregnated bentonite. <i>Environment, Development and Sustainability</i> , 2020, 22, 5273-5295.	2.7	17
2001	Determining optimum carob powder adsorption for cleaning wastewater: intelligent optimization with electro-search algorithm. <i>Wireless Networks</i> , 2020, 26, 5665-5679.	2.0	1
2002	Surface nano-traps of FeO/COFs for arsenic(III) depth removal from wastewater in non-ferrous smelting industry. <i>Chemical Engineering Journal</i> , 2020, 381, 122559.	6.6	62
2003	Metal organic framework UiO-66 and activated carbon composite sorbent for the concurrent adsorption of cationic and anionic metals. <i>Chemosphere</i> , 2020, 238, 124656.	4.2	57
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2005	Synthesis of green marine algal-based biochar for remediation of arsenic(V) from contaminated waters in batch and column mode of operation. <i>International Journal of Phytoremediation</i> , 2020, 22, 279-286.	1.7	39
2006	Remediation of bio-refinery wastewater containing organic and inorganic toxic pollutants by adsorption onto chitosan-based magnetic nanosorbent. <i>Water Quality Research Journal of Canada</i> , 2020, 55, 36-51.	1.2	24
2007	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
2008	Microporous carbon fibers prepared by carbonization of cellulose as carriers of particles of active substances. <i>Chemical Papers</i> , 2020, 74, 1359-1365.	1.0	2
2009	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
2010	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

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2013	Ethylene glycol-induced metal alkoxides via phase-transfer catalyst as multi-talented adsorbents for boosted adsorption performance of toxic anions/oxyanions from waters. <i>Separation and Purification Technology</i> , 2020, 235, 116247.	3.9	10
2014	Arsenite simultaneous sorption and oxidation by natural ferruginous manganese ores with various ratios of Mn/Fe. <i>Chemical Engineering Journal</i> , 2020, 382, 123040.	6.6	48
2015	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
2016	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
2017	Bacillus firmus strain FSS2C ameliorated oxidative stress in wheat plants induced by azo dye (reactive) Tj ₆ ETQq0 0 C	1.1	6
2018	Impact of air pollution on intestinal redox lipidome and microbiome. <i>Free Radical Biology and Medicine</i> , 2020, 151, 99-110.	1.3	67
2019	Engineered Pyrogenic Materials as Tools to Affect Arsenic Mobility in Old Mine Site Soil of Mediterranean Region. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 265-272.	1.3	2
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2021	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
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2023	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
2024	Synergistic adsorption of Cd(II) and As(V) on birnessite under electrochemical control. <i>Chemosphere</i> , 2020, 247, 125822.	4.2	11
2025	Arsenic remediation onto redox and photo-catalytic/electrocatalytic Mn-Al-Fe impregnated rGO: Sustainable aspects of sludge as supercapacitor. <i>Chemical Engineering Journal</i> , 2020, 390, 124000.	6.6	59
2026	Efficient removal of arsenate from water by lanthanum immobilized electrospun chitosan nanofiber. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124417.	2.3	25
2027	A review of functional sorbents for adsorptive removal of arsenic ions in aqueous systems. <i>Journal of Hazardous Materials</i> , 2020, 388, 121815.	6.5	98
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2030	Efficient removal of arsenic using plastic waste char: Prevailing mechanism and sorption performance. <i>Journal of Water Process Engineering</i> , 2020, 33, 101095.	2.6	44
2031	Assessing South American <i>Guadua chacoensis</i> bamboo biochar and Fe ₃ O ₄ nanoparticle dispersed analogues for aqueous arsenic(V) remediation. <i>Science of the Total Environment</i> , 2020, 706, 135943.	3.9	93
2032	Stabilization of soil arsenic by natural limonite after mechanical activation and the associated mechanisms. <i>Science of the Total Environment</i> , 2020, 708, 135118.	3.9	16
2033	Simultaneous removal of butylparaben and arsenite by MOF-derived porous carbon coated lanthanum oxide: Combination of persulfate activation and adsorption. <i>Chemical Engineering Journal</i> , 2020, 391, 123552.	6.6	39
2034	Selective removal of high concentration arsenate from aqueous solution by magnetic Fe ²⁺ /Y binary oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125242.	2.3	9
2035	Selective Removal of As(V) Ions from Acid Mine Drainage Using Polymer Inclusion Membranes. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 909.	0.8	11
2036	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
2037	Fabrication of chitosan/graphene oxide-gadolinium nanorods as a novel nanocomposite for arsenic removal from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 320, 114410.	2.3	40
2038	Agro-Waste Derived Biomass Impregnated with TiO ₂ as a Potential Adsorbent for Removal of As(III) from Water. <i>Catalysts</i> , 2020, 10, 1125.	1.6	26
2039	Removal of inorganic arsenic from water using metal organic frameworks. <i>Journal of Environmental Sciences</i> , 2020, 97, 162-168.	3.2	14
2040	Effective removal of arsenic from an aqueous solution by ferrihydrite/goethite graphene oxide composites using the modified Hummers method. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104416.	3.3	17
2041	Removal of arsenic contaminants using a novel porous nanoadsorbent with superior magnetic recovery. <i>Chemical Engineering Science: X</i> , 2020, 8, 100069.	1.5	4
2042	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
2043	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
2044	Bionanocomposites in water treatment. , 2020, , 505-518.		10
2045	As(V) and As(III) sequestration by starch functionalized magnetite nanoparticles: influence of the synthesis route onto the trapping efficiency. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 524-539.	2.8	13
2046	Nanofiltration for Arsenic Removal: Challenges, Recent Developments, and Perspectives. <i>Nanomaterials</i> , 2020, 10, 1323.	1.9	76

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2050	Adsorptive Removal of Arsenic by Mesoporous Iron Oxide in Aquatic Systems. Water (Switzerland), 2020, 12, 3147.	1.2	15
2051	3D-printed integrative probeheads for magnetic resonance. Nature Communications, 2020, 11, 5793.	5.8	18
2052	Adsorption of Inorganic As(III) from Aqueous Solutions by Iron-Manganese Oxide. Scientific World, 2020, 13, 46-50.	0.1	1
2053	Development of a fast and sensitive method for the determination of As(III) at trace levels in urine by differential pulse anodic voltammetry using a simple graphene screenâ€“printed electrode. Microchemical Journal, 2020, 159, 105393.	2.3	10
2054	Review: Efficiently performing periodic elements with modern adsorption technologies for arsenic removal. Environmental Science and Pollution Research, 2020, 27, 39888-39912.	2.7	26
2055	Unprecedented arsenic photo-oxidation behavior of few- and multi-layer Ti3C2Tx nano-sheets. Applied Materials Today, 2020, 20, 100769.	2.3	25
2056	Arsenic (III) Removal from a High-Concentration Arsenic (III) Solution by Forming Ferric Arsenite on Red Mud Surface. Minerals (Basel, Switzerland), 2020, 10, 583.	0.8	7
2057	Lanthanum hydroxide: a highly efficient and selective adsorbent for arsenate removal from aqueous solution. Environmental Science and Pollution Research, 2020, 27, 42868-42880.	2.7	28
2058	Treatment of aqueous arsenic â€“ A review of biosorbent preparation methods. Journal of Environmental Management, 2020, 273, 111126.	3.8	35
2059	Functional iron chitosan microspheres synthesized by ionotropic gelation for the removal of arsenic (V) from water. International Journal of Biological Macromolecules, 2020, 164, 1575-1583.	3.6	29
2060	Cellulose-Supported Nanosized Zinc Oxide: Highly Efficient Bionanomaterial for Removal of Arsenic from Water. ACS Symposium Series, 2020, , 253-267.	0.5	4
2061	Sb(III) and Sb(V) removal from water by a hydroxyl-intercalated, mechanochemically synthesized Mg-Fe-LDH. Applied Clay Science, 2020, 196, 105766.	2.6	51
2062	Defect Control in Zr-Based Metalâ€“Organic Framework Nanoparticles for Arsenic Removal from Water. ACS Applied Nano Materials, 2020, 3, 8997-9008.	2.4	96
2063	Removal of Trace Arsenite through Simultaneous Photocatalytic Oxidation and Adsorption by Magnetic Fe₃O₄@PpPDA@TiO₂ Coreâ€“Shell Nanoparticles. ACS Applied Nano Materials, 2020, 3, 8495-8504.	2.4	47
2064	Self-assembled Fe3+@spores as a sustainable heterogeneous Fenton catalyst for arsenite removal. Journal of Environmental Chemical Engineering, 2020, 8, 104485.	3.3	7

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