

Dongye Zhao

List of Publications by Year in descending order

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178
papers

13,603
citations

23500

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23472

111
g-index

178
all docs

178
docs citations

178
times ranked

10952
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Preparation and Characterization of a New Class of Starch-Stabilized Bimetallic Nanoparticles for Degradation of Chlorinated Hydrocarbons in Water. <i>Environmental Science & Technology</i> , 2005, 39, 3314-3320. | 4.6 | 736 |
| 2 | Stabilization of Fe ⁰ -Pd Nanoparticles with Sodium Carboxymethyl Cellulose for Enhanced Transport and Dechlorination of Trichloroethylene in Soil and Groundwater. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 29-34. | 1.8 | 586 |
| 3 | 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 |
| 4 | Manipulating the Size and Dispersibility of Zerovalent Iron Nanoparticles by Use of Carboxymethyl Cellulose Stabilizers. <i>Environmental Science & Technology</i> , 2007, 41, 6216-6221. | 4.6 | 510 |
| 5 | Field assessment of carboxymethyl cellulose stabilized iron nanoparticles for in situ destruction of chlorinated solvents in source zones. <i>Water Research</i> , 2010, 44, 2360-2370. | 5.3 | 368 |
| 6 | Heavy metals in surface sediments of the Jialu River, China: Their relations to environmental factors. <i>Journal of Hazardous Materials</i> , 2014, 270, 102-109. | 6.5 | 359 |
| 7 | An overview of field-scale studies on remediation of soil contaminated with heavy metals and metalloids: Technical progress over the last decade. <i>Water Research</i> , 2018, 147, 440-460. | 5.3 | 323 |
| 8 | Reductive immobilization of chromate in water and soil using stabilized iron nanoparticles. <i>Water Research</i> , 2007, 41, 2101-2108. | 5.3 | 296 |
| 9 | Application of iron sulfide particles for groundwater and soil remediation: A review. <i>Water Research</i> , 2016, 89, 309-320. | 5.3 | 292 |
| 10 | A review of oil, dispersed oil and sediment interactions in the aquatic environment: Influence on the fate, transport and remediation of oil spills. <i>Marine Pollution Bulletin</i> , 2014, 79, 16-33. | 2.3 | 291 |
| 11 | Short-chain per- and polyfluoroalkyl substances in aquatic systems: Occurrence, impacts and treatment. <i>Chemical Engineering Journal</i> , 2020, 380, 122506. | 6.6 | 285 |
| 12 | Transport of carboxymethyl cellulose stabilized iron nanoparticles in porous media: Column experiments and modeling. <i>Journal of Colloid and Interface Science</i> , 2009, 334, 96-102. | 5.0 | 245 |
| 13 | Stabilisation of nanoscale zero-valent iron with biochar for enhanced transport and in-situ remediation of hexavalent chromium in soil. <i>Environmental Pollution</i> , 2016, 214, 94-100. | 3.7 | 245 |
| 14 | Ultimate removal of phosphate from wastewater using a new class of polymeric ion exchangers. <i>Water Research</i> , 1998, 32, 1613-1625. | 5.3 | 242 |
| 15 | Remediation of hexavalent chromium contaminated soil by biochar-supported zero-valent iron nanoparticles. <i>Journal of Hazardous Materials</i> , 2016, 318, 533-540. | 6.5 | 229 |
| 16 | Hydrodechlorination of trichloroethene using stabilized Fe-Pd nanoparticles: Reaction mechanism and effects of stabilizers, catalysts and reaction conditions. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 533-540. | 10.8 | 215 |
| 17 | Immobilization of Mercury by Carboxymethyl Cellulose Stabilized Iron Sulfide Nanoparticles: Reaction Mechanisms and Effects of Stabilizer and Water Chemistry. <i>Environmental Science & Technology</i> , 2014, 48, 3986-3994. | 4.6 | 212 |
| 18 | Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. <i>Environmental Science: Nano</i> , 2018, 5, 27-47. | 2.2 | 211 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 2D/1D graphitic carbon nitride/titanate nanotubes heterostructure for efficient photocatalysis of sulfamethazine under solar light: Catalytic "hot spots" at the rutile-anatase-titanate interfaces. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118357. | 10.8 | 211 |
| 20 | Rapid and complete destruction of perchlorate in water and ion-exchange brine using stabilized zero-valent iron nanoparticles. <i>Water Research</i> , 2007, 41, 3497-3505. | 5.3 | 190 |
| 21 | Removal of arsenic(V) from spent ion exchange brine using a new class of starch-bridged magnetite nanoparticles. <i>Water Research</i> , 2011, 45, 1961-1972. | 5.3 | 184 |
| 22 | Degradation of soil-sorbed trichloroethylene by stabilized zero valent iron nanoparticles: Effects of sorption, surfactants, and natural organic matter. <i>Water Research</i> , 2011, 45, 2401-2414. | 5.3 | 180 |
| 23 | Reducing leachability and bioaccessibility of lead in soils using a new class of stabilized iron phosphate nanoparticles. <i>Water Research</i> , 2007, 41, 2491-2502. | 5.3 | 171 |
| 24 | Immobilization of mercury in sediment using stabilized iron sulfide nanoparticles. <i>Water Research</i> , 2009, 43, 5171-5179. | 5.3 | 163 |
| 25 | Adsorption of U(VI) by multilayer titanate nanotubes: Effects of inorganic cations, carbonate and natural organic matter. <i>Chemical Engineering Journal</i> , 2016, 286, 427-435. | 6.6 | 156 |
| 26 | Destruction of lindane and atrazine using stabilized iron nanoparticles under aerobic and anaerobic conditions: Effects of catalyst and stabilizer. <i>Chemosphere</i> , 2008, 70, 418-425. | 4.2 | 145 |
| 27 | Effect of cationic and anionic surfactants on the sorption and desorption of perfluorooctane sulfonate (PFOS) on natural sediments. <i>Environmental Pollution</i> , 2009, 157, 325-330. | 3.7 | 139 |
| 28 | Immobilization of As(III) in soil and groundwater using a new class of polysaccharide stabilized Fe-Mn oxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2012, 211-212, 332-341. | 6.5 | 133 |
| 29 | Selective removal of arsenate from drinking water using a polymeric ligand exchanger. <i>Water Research</i> , 2005, 39, 4993-5004. | 5.3 | 130 |
| 30 | A new type of cobalt-deposited titanate nanotubes for enhanced photocatalytic degradation of phenanthrene. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 134-143. | 10.8 | 128 |
| 31 | Immobilization of uranium(VI) by niobate/titanate nanoflakes heterojunction through combined adsorption and solar-light-driven photocatalytic reduction. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 11-22. | 10.8 | 128 |
| 32 | In situ testing of metallic iron nanoparticle mobility and reactivity in a shallow granular aquifer. <i>Journal of Contaminant Hydrology</i> , 2010, 116, 35-46. | 1.6 | 125 |
| 33 | Immobilization of mercury in field soil and sediment using carboxymethyl cellulose stabilized iron sulfide nanoparticles. <i>Nanotechnology</i> , 2012, 23, 294007. | 1.3 | 125 |
| 34 | Remediation of lead contaminated soil by biochar-supported nano-hydroxyapatite. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 224-230. | 2.9 | 112 |
| 35 | In situ immobilization of Cu(II) in soils using a new class of iron phosphate nanoparticles. <i>Chemosphere</i> , 2007, 68, 1867-1876. | 4.2 | 108 |
| 36 | Environmental dynamics of metal oxide nanoparticles in heterogeneous systems: A review. <i>Journal of Hazardous Materials</i> , 2017, 322, 29-47. | 6.5 | 103 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Immobilization of arsenic in soils by stabilized nanoscale zero-valent iron, iron sulfide (FeS), and magnetite (Fe ₃ O ₄) particles. <i>Science Bulletin</i> , 2010, 55, 365-372. | 1.7 | 99 |
| 38 | Selective Removal of Cr(VI) Oxyanions with a New Anion Exchanger. <i>Industrial & Engineering Chemistry Research</i> , 1998, 37, 4383-4387. | 1.8 | 92 |
| 39 | Simultaneous adsorption of uranium(VI) and 2-chlorophenol by activated carbon fiber supported/modified titanate nanotubes (TNTs/ACF): Effectiveness and synergistic effects. <i>Chemical Engineering Journal</i> , 2021, 406, 126752. | 6.6 | 89 |
| 40 | Effects of Oil and Dispersant on Formation of Marine Oil Snow and Transport of Oil Hydrocarbons. <i>Environmental Science & Technology</i> , 2014, 48, 14392-14399. | 4.6 | 88 |
| 41 | Higher concentrations of nanoscale zero-valent iron (nZVI) in soil induced rice chlorosis due to inhibited active iron transportation. <i>Environmental Pollution</i> , 2016, 210, 338-345. | 3.7 | 88 |
| 42 | Photocatalytic degradation of phenanthrene by graphite oxide-TiO ₂ -Sr(OH) ₂ /SrCO ₃ nanocomposite under solar irradiation: Effects of water quality parameters and predictive modeling. <i>Chemical Engineering Journal</i> , 2018, 335, 290-300. | 6.6 | 87 |
| 43 | A concentrate-and-destroy technique for degradation of perfluorooctanoic acid in water using a new adsorptive photocatalyst. <i>Water Research</i> , 2020, 185, 116219. | 5.3 | 87 |
| 44 | Remediation of polybrominated diphenyl ethers in soil using Ni/Fe bimetallic nanoparticles: Influencing factors, kinetics and mechanism. <i>Science of the Total Environment</i> , 2014, 485-486, 363-370. | 3.9 | 86 |
| 45 | Polysugar-Stabilized Pd Nanoparticles Exhibiting High Catalytic Activities for Hydrodechlorination of Environmentally Deleterious Trichloroethylene. <i>Langmuir</i> , 2008, 24, 328-336. | 1.6 | 85 |
| 46 | High-Capacity and Photoregenerable Composite Material for Efficient Adsorption and Degradation of Phenanthrene in Water. <i>Environmental Science & Technology</i> , 2016, 50, 11174-11183. | 4.6 | 79 |
| 47 | Treatment of per- and polyfluoroalkyl substances in landfill leachate: status, chemistry and prospects. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1814-1835. | 1.2 | 79 |
| 48 | Application of Stabilized Nanoparticles for In Situ Remediation of Metal-Contaminated Soil and Groundwater: a Critical Review. <i>Current Pollution Reports</i> , 2015, 1, 280-291. | 3.1 | 78 |
| 49 | Hydrothermal synthesis of graphene grafted titania/titanate nanosheets for photocatalytic degradation of 4-chlorophenol: Solar-light-driven photocatalytic activity and computational chemistry analysis. <i>Chemical Engineering Journal</i> , 2018, 331, 685-694. | 6.6 | 75 |
| 50 | Enhanced photocatalytic degradation of perfluorooctanoic acid using carbon-modified bismuth phosphate composite: Effectiveness, material synergy and roles of carbon. <i>Chemical Engineering Journal</i> , 2020, 395, 124991. | 6.6 | 74 |
| 51 | Critical role of oxygen vacancies in heterogeneous Fenton oxidation over ceria-based catalysts. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 163-172. | 5.0 | 73 |
| 52 | Synthesis and characterization of a new class of stabilized apatite nanoparticles and applying the particles to in situ Pb immobilization in a fire-range soil. <i>Chemosphere</i> , 2013, 91, 594-601. | 4.2 | 68 |
| 53 | One-Step "Green" Synthesis of Pd Nanoparticles of Controlled Size and Their Catalytic Activity for Trichloroethene Hydrodechlorination. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6550-6557. | 1.8 | 64 |
| 54 | Transport of stabilized iron nanoparticles in porous media: Effects of surface and solution chemistry and role of adsorption. <i>Journal of Hazardous Materials</i> , 2017, 322, 284-291. | 6.5 | 63 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Natural organic matter resistant powder activated charcoal supported titanate nanotubes for adsorption of Pb(II). <i>Chemical Engineering Journal</i> , 2017, 315, 191-200. | 6.6 | 63 |
| 56 | Removal of aqueous perfluorooctanoic acid (PFOA) using starch-stabilized magnetite nanoparticles. <i>Science of the Total Environment</i> , 2016, 562, 191-200. | 3.9 | 62 |
| 57 | Enhanced immobilization of U(VI) using a new type of FeS-modified FeO core-shell particles. <i>Chemical Engineering Journal</i> , 2019, 359, 1617-1628. | 6.6 | 60 |
| 58 | Enhanced adsorption and photocatalytic degradation of perfluorooctanoic acid in water using iron (hydr)oxides/carbon sphere composite. <i>Chemical Engineering Journal</i> , 2020, 388, 124230. | 6.6 | 60 |
| 59 | Enhanced adsorption of perfluorooctanoic acid (PFOA) from water by granular activated carbon supported magnetite nanoparticles. <i>Science of the Total Environment</i> , 2020, 723, 137757. | 3.9 | 58 |
| 60 | Ligand Separation with a Copper(II)-Loaded Polymeric Ligand Exchanger. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 455-462. | 1.8 | 57 |
| 61 | Effects of octahedral molecular sieve on treatment performance, microbial metabolism, and microbial community in expanded granular sludge bed reactor. <i>Water Research</i> , 2015, 87, 127-136. | 5.3 | 57 |
| 62 | Dual-mode modeling of competitive and concentration-dependent sorption and desorption kinetics of polycyclic aromatic hydrocarbons in soils. <i>Water Resources Research</i> , 2001, 37, 2205-2212. | 1.7 | 56 |
| 63 | 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 |
| 64 | Catalytic reduction of aqueous nitrates by metal supported catalysts on Al particles. <i>Chemical Engineering Journal</i> , 2014, 254, 410-417. | 6.6 | 56 |
| 65 | Degradation of aqueous and soil-sorbed estradiol using a new class of stabilized manganese oxide nanoparticles. <i>Water Research</i> , 2015, 70, 288-299. | 5.3 | 56 |
| 66 | Experimental evidences and theoretical calculations on phenanthrene degradation in a solar-light-driven photocatalysis system using silica aerogel supported TiO ₂ nanoparticles: Insights into reactive sites and energy evolution. <i>Chemical Engineering Journal</i> , 2021, 419, 129605. | 6.6 | 56 |
| 67 | Sorption and Desorption of Perchlorate with Various Classes of Ion Exchangers: A Comparative Study. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 9213-9222. | 1.8 | 55 |
| 68 | Immobilization of U(VI) by stabilized iron sulfide nanoparticles: Water chemistry effects, mechanisms, and long-term stability. <i>Chemical Engineering Journal</i> , 2020, 393, 124692. | 6.6 | 52 |
| 69 | Effects of Stabilizers and Water Chemistry on Arsenate Sorption by Polysaccharide-Stabilized Magnetite Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2407-2418. | 1.8 | 51 |
| 70 | Catalytic hydrodechlorination of trichloroethylene in water with supported CMC-stabilized palladium nanoparticles. <i>Water Research</i> , 2013, 47, 3706-3715. | 5.3 | 50 |
| 71 | Immobilization of selenite in soil and groundwater using stabilized Fe-Mn binary oxide nanoparticles. <i>Water Research</i> , 2015, 70, 485-494. | 5.3 | 50 |
| 72 | Degradation of petroleum hydrocarbons in seawater by simulated surface-level atmospheric ozone: Reaction kinetics and effect of oil dispersant. <i>Marine Pollution Bulletin</i> , 2018, 135, 427-440. | 2.3 | 49 |

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|----|---|-----|-----------|
| 73 | Immobilization of non-point phosphorus using stabilized magnetite nanoparticles with enhanced transportability and reactivity in soils. <i>Environmental Pollution</i> , 2010, 158, 35-40. | 3.7 | 48 |
| 74 | XAFS study of starch-stabilized magnetite nanoparticles and surface speciation of arsenate. <i>Environmental Pollution</i> , 2011, 159, 3509-3514. | 3.7 | 48 |
| 75 | Reduction of nitrobenzene in aqueous and soil phases using carboxymethyl cellulose stabilized zero-valent iron nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 332, 227-236. | 6.6 | 48 |
| 76 | Rapid and controlled transformation of nitrate in water and brine by stabilized iron nanoparticles. <i>Journal of Nanoparticle Research</i> , 2009, 11, 807-819. | 0.8 | 46 |
| 77 | A new technique for determining critical micelle concentrations of surfactants and oil dispersants via UV absorbance of pyrene. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 1-8. | 2.3 | 46 |
| 78 | Study of residual oil in Bay Jimmy sediment 5 years after the Deepwater Horizon oil spill: Persistence of sediment retained oil hydrocarbons and effect of dispersants on desorption. <i>Science of the Total Environment</i> , 2018, 618, 1244-1253. | 3.9 | 46 |
| 79 | Catalytic hydrodechlorination of triclosan using a new class of anion-exchange-resin supported palladium catalysts. <i>Water Research</i> , 2017, 120, 199-210. | 5.3 | 45 |
| 80 | Effects of oil dispersants on settling of marine sediment particles and particle-facilitated distribution and transport of oil components. <i>Marine Pollution Bulletin</i> , 2017, 114, 408-418. | 2.3 | 44 |
| 81 | Toxicity and Transcriptome Sequencing (RNA-seq) Analyses of Adult Zebrafish in Response to Exposure Carboxymethyl Cellulose Stabilized Iron Sulfide Nanoparticles. <i>Scientific Reports</i> , 2018, 8, 8083. | 1.6 | 44 |
| 82 | Effects of oil dispersant and oil on sorption and desorption of phenanthrene with Gulf Coast marine sediments. <i>Environmental Pollution</i> , 2014, 185, 240-249. | 3.7 | 43 |
| 83 | Effects of oil dispersant on solubilization, sorption and desorption of polycyclic aromatic hydrocarbons in sediment-seawater systems. <i>Marine Pollution Bulletin</i> , 2015, 92, 160-169. | 2.3 | 43 |
| 84 | Reductive immobilization and long-term remobilization of radioactive pertechnetate using bio-macromolecules stabilized zero valent iron nanoparticles. <i>Chinese Chemical Letters</i> , 2019, 30, 2163-2168. | 4.8 | 43 |
| 85 | Adsorption and solid-phase photocatalytic degradation of perfluorooctane sulfonate in water using gallium-doped carbon-modified titanate nanotubes. <i>Chemical Engineering Journal</i> , 2021, 421, 129676. | 6.6 | 43 |
| 86 | Immobilization of mercury by iron sulfide nanoparticles alters mercury speciation and microbial methylation in contaminated groundwater. <i>Chemical Engineering Journal</i> , 2020, 381, 122664. | 6.6 | 42 |
| 87 | The Adsorption Selectivity of Short and Long Per- and Polyfluoroalkyl Substances (PFASs) from Surface Water Using Powder-Activated Carbon. <i>Water (Switzerland)</i> , 2020, 12, 3287. | 1.2 | 42 |
| 88 | MODEL-AIDED CHARACTERIZATION OF TENAX®-TA FOR AROMATIC COMPOUND UPTAKE FROM WATER. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1592. | 2.2 | 41 |
| 89 | Effects of starch-coating of magnetite nanoparticles on cellular uptake, toxicity and gene expression profiles in adult zebrafish. <i>Science of the Total Environment</i> , 2018, 622-623, 930-941. | 3.9 | 40 |
| 90 | Screening for the action mechanisms of Fe and Ni in the reduction of Cr(VI) by Fe/Ni nanoparticles. <i>Science of the Total Environment</i> , 2020, 715, 136822. | 3.9 | 40 |

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|-----|---|-----|-----------|
| 91 | Dispersion, sorption and photodegradation of petroleum hydrocarbons in dispersant-seawater-sediment systems. <i>Marine Pollution Bulletin</i> , 2016, 109, 526-538. | 2.3 | 39 |
| 92 | Synthesis and characterization of a new class of polymeric ligand exchangers for selective removal of arsenate from drinking water. <i>Reactive and Functional Polymers</i> , 2010, 70, 497-507. | 2.0 | 38 |
| 93 | A new insight into the main mechanism of 2,4-dichlorophenol dechlorination by Fe/Ni nanoparticles. <i>Science of the Total Environment</i> , 2019, 697, 133996. | 3.9 | 36 |
| 94 | Aggregation of carboxyl-modified polystyrene nanoplastics in water with aluminum chloride: Structural characterization and theoretical calculation. <i>Water Research</i> , 2022, 208, 117884. | 5.3 | 36 |
| 95 | Reusable Platinum-Deposited Anatase/Hexa-Titanate Nanotubes: Roles of Reduced and Oxidized Platinum on Enhanced Solar-Light-Driven Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 547-555. | 3.2 | 35 |
| 96 | Reductive immobilization of perchlorate in soil and groundwater using starch-stabilized ZVI nanoparticles. <i>Science Bulletin</i> , 2013, 58, 275-281. | 1.7 | 34 |
| 97 | In situ remediation and phytotoxicity assessment of lead-contaminated soil by biochar-supported nHAP. <i>Journal of Environmental Management</i> , 2016, 182, 247-251. | 3.8 | 34 |
| 98 | Pyrolysis of different biomass pre-impregnated with steel pickling waste liquor to prepare magnetic biochars and their use for the degradation of metronidazole. <i>Bioresource Technology</i> , 2019, 289, 121613. | 4.8 | 34 |
| 99 | Reductive immobilization of perchlorate in soil and groundwater using synthetic pyrite nanoparticles. <i>Chemosphere</i> , 2017, 174, 456-465. | 4.2 | 33 |
| 100 | Photocatalytic degradation of GenX in water using a new adsorptive photocatalyst. <i>Water Research</i> , 2022, 220, 118650. | 5.3 | 32 |
| 101 | Compositional evolution of nanoscale zero valent iron and 2,4-dichlorophenol during dechlorination by attapulgite supported Fe/Ni nanoparticles. <i>Journal of Hazardous Materials</i> , 2021, 412, 125246. | 6.5 | 31 |
| 102 | Effects of oil dispersants on photodegradation of pyrene in marine water. <i>Journal of Hazardous Materials</i> , 2015, 287, 142-150. | 6.5 | 28 |
| 103 | Impacts of traffic noise on roadside secondary schools in a prototype large Chinese city. <i>Applied Acoustics</i> , 2019, 151, 153-163. | 1.7 | 28 |
| 104 | Efficient removal and long-term sequestration of cadmium from aqueous solution using ferrous sulfide nanoparticles: Performance, mechanisms, and long-term stability. <i>Science of the Total Environment</i> , 2020, 704, 135402. | 3.9 | 28 |
| 105 | Remediation of soil and groundwater contaminated with organic chemicals using stabilized nanoparticles: Lessons from the past two decades. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1. | 3.3 | 28 |
| 106 | Application of the dual-mode model for predicting competitive sorption equilibria and rates of polycyclic aromatic hydrocarbons in estuarine sediment suspensions. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2276-2282. | 2.2 | 26 |
| 107 | Ageing decreases the phytotoxicity of zero-valent iron nanoparticles in soil cultivated with <i>Oryza sativa</i> . <i>Ecotoxicology</i> , 2016, 25, 1202-1210. | 1.1 | 26 |
| 108 | Fractional distribution of thallium in paddy soil and its bioavailability to rice. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 311-317. | 2.9 | 26 |

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|-----|--|-----|-----------|
| 109 | Enhanced nutrient removal in bioretention systems modified with water treatment residuals and internal water storage zone. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 993-1003. | 1.2 | 26 |
| 110 | Fate and Transport of Copper Applied in Channel Catfish Ponds. <i>Water, Air, and Soil Pollution</i> , 2006, 176, 139-162. | 1.1 | 25 |
| 111 | Mechanistic investigation into sunlight-facilitated photodegradation of pyrene in seawater with oil dispersants. <i>Marine Pollution Bulletin</i> , 2017, 114, 751-758. | 2.3 | 25 |
| 112 | Sorption and retardation of strontium in saturated Chinese loess: experimental results and model analysis. <i>Journal of Environmental Radioactivity</i> , 2013, 116, 19-27. | 0.9 | 24 |
| 113 | Application of Titanate Nanotubes for Photocatalytic Decontamination in Water: Challenges and Prospects. <i>ACS ES&T Engineering</i> , 2022, 2, 1015-1038. | 3.7 | 24 |
| 114 | Transport of multi-walled carbon nanotubes stabilized by carboxymethyl cellulose and starch in saturated porous media: Influences of electrolyte, clay and humic acid. <i>Science of the Total Environment</i> , 2017, 599-600, 188-197. | 3.9 | 23 |
| 115 | Sorption of dispersed petroleum hydrocarbons by activated charcoals: Effects of oil dispersants. <i>Environmental Pollution</i> , 2020, 256, 113416. | 3.7 | 23 |
| 116 | Effects of oil dispersants on photodegradation of parent and alkylated anthracene in seawater. <i>Environmental Pollution</i> , 2017, 229, 272-280. | 3.7 | 22 |
| 117 | Bromate reduction and reaction-enhanced perchlorate adsorption by FeCl ₃ -impregnated granular activated carbon. <i>Water Research</i> , 2019, 149, 149-158. | 5.3 | 22 |
| 118 | Sequestration of pertechnetate using carboxymethyl cellulose stabilized FeS nanoparticles: Effectiveness and mechanisms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 373-380. | 2.3 | 22 |
| 119 | Simultaneous control of soil erosion and arsenic leaching at disturbed land using polyacrylamide modified magnetite nanoparticles. <i>Science of the Total Environment</i> , 2020, 702, 134997. | 3.9 | 22 |
| 120 | Aggregation and stabilization of multiwalled carbon nanotubes in aqueous suspensions: influences of carboxymethyl cellulose, starch and humic acid. <i>RSC Advances</i> , 2016, 6, 67260-67270. | 1.7 | 21 |
| 121 | Immobilization of hexavalent chromium in soil and groundwater using synthetic pyrite particles. <i>Environmental Pollution</i> , 2019, 255, 112992. | 3.7 | 21 |
| 122 | Distribution, Source and Risk Assessment of Heavy Metal(oid)s in Water, Sediments, and Corbicula Fluminea of Xijiang River, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1823. | 1.2 | 21 |
| 123 | Microwave-enhanced reductive immobilization of high concentrations of chromium in a field soil using iron polysulfide. <i>Journal of Hazardous Materials</i> , 2021, 418, 126293. | 6.5 | 21 |
| 124 | A "Concentrate-& Destroy"™ technology for enhanced removal and destruction of per- and polyfluoroalkyl substances in municipal landfill leachate. <i>Science of the Total Environment</i> , 2021, 791, 148124. | 3.9 | 21 |
| 125 | Ozonation of Cationic Red X-GRL in aqueous solution: Kinetics and modeling. <i>Journal of Hazardous Materials</i> , 2011, 187, 526-533. | 6.5 | 20 |
| 126 | Synthesis and characterization of supported polysugar-stabilized palladium nanoparticle catalysts for enhanced hydrodechlorination of trichloroethylene. <i>Nanotechnology</i> , 2012, 23, 294004. | 1.3 | 20 |

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|-----|---|-----|-----------|
| 127 | In-situ degradation of soil-sorbed 17 β -estradiol using carboxymethyl cellulose stabilized manganese oxide nanoparticles: Column studies. <i>Environmental Pollution</i> , 2017, 223, 238-246. | 3.7 | 20 |
| 128 | Reductive immobilization of uranium by stabilized zero-valent iron nanoparticles: Effects of stabilizers, water chemistry and long-term stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125315. | 2.3 | 20 |
| 129 | Oxidation of Cationic Red X-GRL by ozonation combined with UV radiation in aqueous solution: Degradation, kinetics, and modeling. <i>Chemical Engineering Journal</i> , 2011, 171, 628-639. | 6.6 | 19 |
| 130 | Controlling phosphate releasing from poultry litter using stabilized Fe-Mn binary oxide nanoparticles. <i>Science of the Total Environment</i> , 2016, 542, 1020-1029. | 3.9 | 19 |
| 131 | FeS-mediated mobilization and immobilization of Cr(III) in oxic aquatic systems. <i>Water Research</i> , 2022, 211, 118077. | 5.3 | 19 |
| 132 | Laboratory Investigation Into Factors Affecting Performance of Capillary Barrier System in Unsaturated Soil. <i>Water, Air, and Soil Pollution</i> , 2010, 206, 295-306. | 1.1 | 18 |
| 133 | Effect of operating factors on the contaminants removal of a soil filter: multi-soil-layering system. <i>Environmental Earth Sciences</i> , 2015, 74, 2679-2686. | 1.3 | 18 |
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