

Sha Chen

List of Publications by Year in descending order

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Version: 2024-02-01

158
papers

18,896
citations

6254

80
h-index

12272

133
g-index

158
all docs

158
docs citations

158
times ranked

16079
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Stabilization of cadmium in contaminated sediment based on a nanoremediation strategy: Environmental impacts and mechanisms. <i>Chemosphere</i> , 2022, 287, 132363. | 8.2 | 19 |
| 2 | Recent progress of noble metals with tailored features in catalytic oxidation for organic pollutants degradation. <i>Journal of Hazardous Materials</i> , 2022, 422, 126950. | 12.4 | 49 |
| 3 | The combined toxicity and mechanism of multi-walled carbon nanotubes and nano copper oxide toward freshwater algae: <i>Tetrademus obliquus</i> . <i>Journal of Environmental Sciences</i> , 2022, 112, 376-387. | 6.1 | 17 |
| 4 | Environmentally persistent free radicals in bismuth-based metal-organic layers derivatives: Photodegradation of pollutants and mechanism unravelling. <i>Chemical Engineering Journal</i> , 2022, 430, 133026. | 12.7 | 23 |
| 5 | Research progress of microplastics in soil-plant system: Ecological effects and potential risks. <i>Science of the Total Environment</i> , 2022, 812, 151487. | 8.0 | 87 |
| 6 | Layered double hydroxide based materials applied in persulfate based advanced oxidation processes: Property, mechanism, application and perspectives. <i>Journal of Hazardous Materials</i> , 2022, 424, 127612. | 12.4 | 62 |
| 7 | Biochar in the 21st century: A data-driven visualization of collaboration, frontier identification, and future trend. <i>Science of the Total Environment</i> , 2022, 818, 151774. | 8.0 | 60 |
| 8 | Uniform polypyrrole electrodeposition triggered by phytic acid-guided interface engineering for high energy density flexible supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 356-365. | 9.4 | 24 |
| 9 | Metallic Co and crystalline Co-Mo oxides supported on graphite felt for bifunctional electrocatalytic hydrogen evolution and urea oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 413-423. | 9.4 | 30 |
| 10 | Presence of polystyrene microplastics in Cd contaminated water promotes Cd removal by nano zero-valent iron and ryegrass (<i>Lolium Perenne</i> L.). <i>Chemosphere</i> , 2022, 303, 134729. | 8.2 | 15 |
| 11 | Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 97 |
| 12 | Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 25 |
| 13 | Progress and challenges of metal-organic frameworks-based materials for SR-AOPs applications in water treatment. <i>Chemosphere</i> , 2021, 263, 127672. | 8.2 | 138 |
| 14 | Surface and interface engineering of two-dimensional bismuth-based photocatalysts for ambient molecule activation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 196-233. | 10.3 | 50 |
| 15 | Nanoscale zerovalent iron, carbon nanotubes and biochar facilitated the phytoremediation of cadmium contaminated sediments by changing cadmium fractions, sediments properties and bacterial community structure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111510. | 6.0 | 45 |
| 16 | Carbon Dots-Decorated Carbon-Based Metal-Free Catalysts for Electrochemical Energy Storage. <i>Small</i> , 2021, 17, e2002998. | 10.0 | 27 |
| 17 | Topological transformation of bismuth vanadate into bismuth oxychloride: Band-gap engineering of ultrathin nanosheets with oxygen vacancies for efficient molecular oxygen activation. <i>Chemical Engineering Journal</i> , 2021, 420, 127573. | 12.7 | 37 |
| 18 | Microplastics and nanoplastics in the environment: Macroscopic transport and effects on creatures. <i>Journal of Hazardous Materials</i> , 2021, 407, 124399. | 12.4 | 200 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Strategies for enhancing the perylene diimide photocatalytic degradation activity: method, effect factor, and mechanism. <i>Environmental Science: Nano</i> , 2021, 8, 602-618. | 4.3 | 39 |
| 20 | Jointed Synchronous Photocatalytic Oxidation and Chromate Reduction Enabled by the Defect Distribution upon BiVO ₄ : Mechanism Insight and Toxicity Assessment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17586-17598. | 8.0 | 39 |
| 21 | Catalyst-free activation of permanganate under visible light irradiation for sulfamethazine degradation: Experiments and theoretical calculation. <i>Water Research</i> , 2021, 194, 116915. | 11.3 | 124 |
| 22 | MXenes as Superexcellent Support for Confining Single Atom: Properties, Synthesis, and Electrocatalytic Applications. <i>Small</i> , 2021, 17, e2007113. | 10.0 | 52 |
| 23 | Remediation of Cd-Contaminated Soil by Modified Nanoscale Zero-Valent Iron: Role of Plant Root Exudates and Inner Mechanisms. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5887. | 2.6 | 11 |
| 24 | A novel multifunctional platform based on ITO/APTES/ErGO/AuNPs for long-term cell culture and real-time biomolecule monitoring. <i>Talanta</i> , 2021, 228, 122232. | 5.5 | 7 |
| 25 | Visual Method for Selective Detection of Hg ²⁺ Based on the Competitive Interactions of 2-Thiobarbituric Acid with Au Nanoparticles and Hg ²⁺ . <i>ACS Applied Nano Materials</i> , 2021, 4, 6760-6767. | 5.0 | 15 |
| 26 | Stabilization of lead in polluted sediment based on an eco-friendly amendment strategy: Microenvironment response mechanism. <i>Journal of Hazardous Materials</i> , 2021, 415, 125534. | 12.4 | 23 |
| 27 | PDI Supramolecule-Encapsulated 3D BiVO ₄ toward Unobstructed Interfacial Charge Transfer for Enhanced Visible-Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18693-18707. | 3.1 | 8 |
| 28 | Spinel ferrites (MFe ₂ O ₄): Synthesis, improvement and catalytic application in environment and energy field. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102486. | 14.7 | 159 |
| 29 | Phytoremediation of poly- and perfluoroalkyl substances: A review on aquatic plants, influencing factors, and phytotoxicity. <i>Journal of Hazardous Materials</i> , 2021, 418, 126314. | 12.4 | 36 |
| 30 | Microplastics retention by reeds in freshwater environment. <i>Science of the Total Environment</i> , 2021, 790, 148200. | 8.0 | 63 |
| 31 | Boron nitride quantum dots decorated MIL-100(Fe) for boosting the photo-generated charge separation in photocatalytic refractory antibiotics removal. <i>Environmental Research</i> , 2021, 202, 111661. | 7.5 | 21 |
| 32 | Interactions between microplastics/nanoplastics and vascular plants. <i>Environmental Pollution</i> , 2021, 290, 117999. | 7.5 | 123 |
| 33 | Hierarchical urchin-like amorphous carbon with Co-adding anchored on nickel foam: A free-standing electrode for advanced asymmetrical supercapacitors and adsorbed Pb (II). <i>Journal of Colloid and Interface Science</i> , 2021, 603, 58-69. | 9.4 | 9 |
| 34 | Oxygen vacancy-rich doped CDs@graphite felt-600 heterostructures for high-performance supercapacitor electrodes. <i>Nanoscale</i> , 2021, 13, 4995-5005. | 5.6 | 15 |
| 35 | Design of an amorphous and defect-rich CoMoOF layer as a pH-universal catalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8730-8739. | 10.3 | 38 |
| 36 | Polyoxometalate@Metal-Organic Framework Composites as Effective Photocatalysts. <i>ACS Catalysis</i> , 2021, 11, 13374-13396. | 11.2 | 121 |

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|----|--|------|-----------|
| 37 | Recent development of advanced biotechnology for wastewater treatment. Critical Reviews in Biotechnology, 2020, 40, 99-118. | 9.0 | 35 |
| 38 | Distorted polymeric carbon nitride via carriers transfer bridges with superior photocatalytic activity for organic pollutants oxidation and hydrogen production under visible light. Journal of Hazardous Materials, 2020, 386, 121947. | 12.4 | 95 |
| 39 | Facet-Engineered Surface and Interface Design of Monoclinic Scheelite Bismuth Vanadate for Enhanced Photocatalytic Performance. ACS Catalysis, 2020, 10, 1024-1059. | 11.2 | 105 |
| 40 | Semiconductor-based photocatalysts for photocatalytic and photoelectrochemical water splitting: will we stop with photocorrosion?. Journal of Materials Chemistry A, 2020, 8, 2286-2322. | 10.3 | 251 |
| 41 | Recent advances in application of graphitic carbon nitride-based catalysts for degrading organic contaminants in water through advanced oxidation processes beyond photocatalysis: A critical review. Water Research, 2020, 184, 116200. | 11.3 | 343 |
| 42 | Megamerger of MOFs and g-C ₃ N ₄ for energy and environment applications: upgrading the framework stability and performance. Journal of Materials Chemistry A, 2020, 8, 17883-17906. | 10.3 | 48 |
| 43 | Recent advances in two-dimensional nanomaterials for photocatalytic reduction of CO ₂ : insights into performance, theories and perspective. Journal of Materials Chemistry A, 2020, 8, 19156-19195. | 10.3 | 101 |
| 44 | Biochar-mediated Fenton-like reaction for the degradation of sulfamethazine: Role of environmentally persistent free radicals. Chemosphere, 2020, 255, 126975. | 8.2 | 92 |
| 45 | Unravelling the role of dual quantum dots cocatalyst in OD/2D heterojunction photocatalyst for promoting photocatalytic organic pollutant degradation. Chemical Engineering Journal, 2020, 396, 125343. | 12.7 | 132 |
| 46 | Activation of persulfate by graphitized biochar for sulfamethoxazole removal: The roles of graphitic carbon structure and carbonyl group. Journal of Colloid and Interface Science, 2020, 577, 419-430. | 9.4 | 94 |
| 47 | Hybrid architectures based on noble metals and carbon-based dots nanomaterials: A review of recent progress in synthesis and applications. Chemical Engineering Journal, 2020, 399, 125743. | 12.7 | 70 |
| 48 | In Situ Grown Single-Atom Cobalt on Polymeric Carbon Nitride with Bidentate Ligand for Efficient Photocatalytic Degradation of Refractory Antibiotics. Small, 2020, 16, e2001634. | 10.0 | 235 |
| 49 | A novel Fe-hemin-metal organic frameworks supported on chitosan-reduced graphene oxide for real-time monitoring of H ₂ O ₂ released from living cells. Analytica Chimica Acta, 2020, 1128, 90-98. | 5.4 | 28 |
| 50 | Recent advances in conjugated microporous polymers for photocatalysis: designs, applications, and prospects. Journal of Materials Chemistry A, 2020, 8, 6434-6470. | 10.3 | 140 |
| 51 | Graphdiyne: A Rising Star of Electrocatalyst Support for Energy Conversion. Advanced Energy Materials, 2020, 10, 2000177. | 19.5 | 100 |
| 52 | Removal of Sulfamethoxazole in Aqueous Solutions by Iron-Based Advanced Oxidation Processes: Performances and Mechanisms. Water, Air, and Soil Pollution, 2020, 231, 1. | 2.4 | 11 |
| 53 | Megamerger of biosorbents and catalytic technologies for the removal of heavy metals from wastewater: Preparation, final disposal, mechanism and influencing factors. Journal of Environmental Management, 2020, 261, 109879. | 7.8 | 60 |
| 54 | Interface modulation of Mo ₂ C@foam nickel <i>via</i> MoS ₂ quantum dots for the electrochemical oxygen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 15074-15085. | 10.3 | 25 |

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|----|---|------|-----------|
| 55 | Silver-based semiconductor Z-scheme photocatalytic systems for environmental purification. Journal of Hazardous Materials, 2020, 390, 122128. | 12.4 | 122 |
| 56 | Unravelling the interfacial charge migration pathway at atomic level in 2D/2D interfacial Schottky heterojunction for visible-light-driven molecular oxygen activation. Applied Catalysis B: Environmental, 2020, 266, 118650. | 20.2 | 150 |
| 57 | Sustainable hydrogen production by molybdenum carbide-based efficient photocatalysts: From properties to mechanism. Advances in Colloid and Interface Science, 2020, 279, 102144. | 14.7 | 55 |
| 58 | Strategy to improve gold nanoparticles loading efficiency on defect-free high silica ZSM-5 zeolite for the reduction of nitrophenols. Chemosphere, 2020, 256, 127083. | 8.2 | 57 |
| 59 | Degradation of sulfamethazine by biochar-supported bimetallic oxide/persulfate system in natural water: Performance and reaction mechanism. Journal of Hazardous Materials, 2020, 398, 122816. | 12.4 | 133 |
| 60 | How does the microenvironment change during the stabilization of cadmium in exogenous remediation sediment?. Journal of Hazardous Materials, 2020, 398, 122836. | 12.4 | 21 |
| 61 | Dugongs under threat. Science, 2019, 365, 552-552. | 12.6 | 7 |
| 62 | Visible-light-driven photocatalytic degradation of sulfamethazine by surface engineering of carbon nitride ^{1/4} SProperties, degradation pathway and mechanisms. Journal of Hazardous Materials, 2019, 380, 120815. | 12.4 | 131 |
| 63 | Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. Journal of Hazardous Materials, 2019, 380, 120864. | 12.4 | 110 |
| 64 | Chloro-phosphate impregnated biochar prepared by co-precipitation for the lead, cadmium and copper synergic scavenging from aqueous solution. Bioresource Technology, 2019, 293, 122102. | 9.6 | 50 |
| 65 | Recent advances in covalent organic frameworks (COFs) as a smart sensing material. Chemical Society Reviews, 2019, 48, 5266-5302. | 38.1 | 630 |
| 66 | Multiple charge-carrier transfer channels of Z-scheme bismuth tungstate-based photocatalyst for tetracycline degradation: Transformation pathways and mechanism. Journal of Colloid and Interface Science, 2019, 555, 770-782. | 9.4 | 45 |
| 67 | Covalent triazine frameworks for carbon dioxide capture. Journal of Materials Chemistry A, 2019, 7, 22848-22870. | 10.3 | 106 |
| 68 | Ultrathin oxygen-vacancy abundant WO ₃ decorated monolayer Bi ₂ WO ₆ nanosheet: A 2D/2D heterojunction for the degradation of Ciprofloxacin under visible and NIR light irradiation. Journal of Colloid and Interface Science, 2019, 556, 557-567. | 9.4 | 89 |
| 69 | A fantastic two-dimensional MoS ₂ material based on the inert basal planes activation: Electronic structure, synthesis strategies, catalytic active sites, catalytic and electronics properties. Coordination Chemistry Reviews, 2019, 399, 213020. | 18.8 | 101 |
| 70 | Roles of multiwall carbon nanotubes in phytoremediation: cadmium uptake and oxidative burst in <i>Boehmeria nivea</i> (L.) Gaudich. Environmental Science: Nano, 2019, 6, 851-862. | 4.3 | 34 |
| 71 | Adsorption behavior of engineered carbons and carbon nanomaterials for metal endocrine disruptors: Experiments and theoretical calculation. Chemosphere, 2019, 222, 184-194. | 8.2 | 157 |
| 72 | Black Phosphorus, a Rising Star 2D Nanomaterial in the Post-Graphene Era: Synthesis, Properties, Modifications, and Photocatalysis Applications. Small, 2019, 15, e1804565. | 10.0 | 244 |

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|----|--|------|-----------|
| 73 | Degradation of naphthalene with magnetic bio-char activate hydrogen peroxide: Synergism of bio-char and Fe ²⁺ /Mn binary oxides. <i>Water Research</i> , 2019, 160, 238-248. | 11.3 | 335 |
| 74 | How do proteins "response" to common carbon nanomaterials?. <i>Advances in Colloid and Interface Science</i> , 2019, 270, 101-107. | 14.7 | 13 |
| 75 | Effects of typical engineered nanomaterials on 4-nonylphenol degradation in river sediment: based on bacterial community and function analysis. <i>Environmental Science: Nano</i> , 2019, 6, 2171-2184. | 4.3 | 8 |
| 76 | Peroxidase-Like Activity of Smart Nanomaterials and Their Advanced Application in Colorimetric Glucose Biosensors. <i>Small</i> , 2019, 15, e1900133. | 10.0 | 145 |
| 77 | Decontamination of lead and tetracycline from aqueous solution by a promising carbonaceous nanocomposite: Interaction and mechanisms insight. <i>Bioresource Technology</i> , 2019, 283, 277-285. | 9.6 | 98 |
| 78 | Synergistic effect of artificial enzyme and 2D nano-structured Bi ₂ WO ₆ for eco-friendly and efficient biomimetic photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 52-62. | 20.2 | 340 |
| 79 | Fabrication of novel magnetic MnFe ₂ O ₄ /bio-char composite and heterogeneous photo-Fenton degradation of tetracycline in near neutral pH. <i>Chemosphere</i> , 2019, 224, 910-921. | 8.2 | 287 |
| 80 | Effects of multi-walled carbon nanotubes on metal transformation and natural organic matters in riverine sediment. <i>Journal of Hazardous Materials</i> , 2019, 374, 459-468. | 12.4 | 27 |
| 81 | Immobilized laccase on bentonite-derived mesoporous materials for removal of tetracycline. <i>Chemosphere</i> , 2019, 222, 865-871. | 8.2 | 121 |
| 82 | Biochar facilitated the phytoremediation of cadmium contaminated sediments: Metal behavior, plant toxicity, and microbial activity. <i>Science of the Total Environment</i> , 2019, 666, 1126-1133. | 8.0 | 122 |
| 83 | In-situ deposition of gold nanoparticles onto polydopamine-decorated g-C ₃ N ₄ for highly efficient reduction of nitroaromatics in environmental water purification. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 357-369. | 9.4 | 200 |
| 84 | Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , 2019, 48, 488-516. | 38.1 | 564 |
| 85 | Colorimetric determination of mercury(II) using gold nanoparticles and double ligand exchange. <i>Mikrochimica Acta</i> , 2019, 186, 31. | 5.0 | 38 |
| 86 | Immobilizing laccase on kaolinite and its application in treatment of malachite green effluent with the coexistence of Cd (II). <i>Chemosphere</i> , 2019, 217, 843-850. | 8.2 | 51 |
| 87 | Cr(VI) removal from aqueous solution using biochar modified with Mg/Al-layered double hydroxide intercalated with ethylenediaminetetraacetic acid. <i>Bioresource Technology</i> , 2019, 276, 127-132. | 9.6 | 191 |
| 88 | Deciphering the Fenton-reaction-aid lignocellulose degradation pattern by Phanerochaete chrysosporium with ferroferric oxide nanomaterials: Enzyme secretion, straw humification and structural alteration. <i>Bioresource Technology</i> , 2019, 276, 335-342. | 9.6 | 41 |
| 89 | Synthetic strategies and application of gold-based nanocatalysts for nitroaromatics reduction. <i>Science of the Total Environment</i> , 2019, 652, 93-116. | 8.0 | 44 |
| 90 | Fabrication of CuS/BiVO ₄ (0<4<0) binary heterojunction photocatalysts with enhanced photocatalytic activity for Ciprofloxacin degradation and mechanism insight. <i>Chemical Engineering Journal</i> , 2019, 358, 891-902. | 12.7 | 401 |

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|-----|--|------|-----------|
| 91 | Nanoscale zero-valent iron assisted phytoremediation of Pb in sediment: Impacts on metal accumulation and antioxidative system of <i>Lolium perenne</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 153, 229-237. | 6.0 | 118 |
| 92 | Remediation of contaminated soils by enhanced nanoscale zero valent iron. <i>Environmental Research</i> , 2018, 163, 217-227. | 7.5 | 181 |
| 93 | Rational Design of Carbon-Doped Carbon Nitride/Bi ₁₂ O ₁₇ Cl ₂ Composites: A Promising Candidate Photocatalyst for Boosting Visible-Light-Driven Photocatalytic Degradation of Tetracycline. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6941-6949. | 6.7 | 196 |
| 94 | A novel biosorbent prepared by immobilized <i>Bacillus licheniformis</i> for lead removal from wastewater. <i>Chemosphere</i> , 2018, 200, 173-179. | 8.2 | 81 |
| 95 | “Gold rush” in modern science: Fabrication strategies and typical advanced applications of gold nanoparticles in sensing. <i>Coordination Chemistry Reviews</i> , 2018, 359, 1-31. | 18.8 | 261 |
| 96 | Cadmium immobilization in river sediment using stabilized nanoscale zero-valent iron with enhanced transport by polysaccharide coating. <i>Journal of Environmental Management</i> , 2018, 210, 191-200. | 7.8 | 77 |
| 97 | In Situ Grown AgI/Bi ₁₂ O ₁₇ Cl ₂ Heterojunction Photocatalysts for Visible Light Degradation of Sulfamethazine: Efficiency, Pathway, and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4174-4184. | 6.7 | 249 |
| 98 | Preparation of water-compatible molecularly imprinted thiol-functionalized activated titanium dioxide: Selective adsorption and efficient photodegradation of 2, 4-dinitrophenol in aqueous solution. <i>Journal of Hazardous Materials</i> , 2018, 346, 113-123. | 12.4 | 146 |
| 99 | Remediation of lead-contaminated sediment by biochar-supported nano-chlorapatite: Accompanied with the change of available phosphorus and organic matters. <i>Journal of Hazardous Materials</i> , 2018, 348, 109-116. | 12.4 | 128 |
| 100 | High adsorption of methylene blue by salicylic acid–methanol modified steel converter slag and evaluation of its mechanism. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 232-239. | 9.4 | 96 |
| 101 | Pyrolysis and reutilization of plant residues after phytoremediation of heavy metals contaminated sediments: For heavy metals stabilization and dye adsorption. <i>Bioresource Technology</i> , 2018, 253, 64-71. | 9.6 | 214 |
| 102 | BiOX (X = Cl, Br, I) photocatalytic nanomaterials: Applications for fuels and environmental management. <i>Advances in Colloid and Interface Science</i> , 2018, 254, 76-93. | 14.7 | 422 |
| 103 | Efficient degradation of sulfamethazine in simulated and real wastewater at slightly basic pH values using Co-SAM-SCS /H ₂ O ₂ Fenton-like system. <i>Water Research</i> , 2018, 138, 7-18. | 11.3 | 198 |
| 104 | Tween 80 surfactant-enhanced bioremediation: toward a solution to the soil contamination by hydrophobic organic compounds. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 17-30. | 9.0 | 80 |
| 105 | Nanoscale zero-valent iron coated with rhamnolipid as an effective stabilizer for immobilization of Cd and Pb in river sediments. <i>Journal of Hazardous Materials</i> , 2018, 341, 381-389. | 12.4 | 248 |
| 106 | White rot fungi and advanced combined biotechnology with nanomaterials: promising tools for endocrine-disrupting compounds biotransformation. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 671-689. | 9.0 | 54 |
| 107 | Rhamnolipid stabilized nano-chlorapatite: Synthesis and enhancement effect on Pb-and Cd-immobilization in polluted sediment. <i>Journal of Hazardous Materials</i> , 2018, 343, 332-339. | 12.4 | 139 |
| 108 | Highly porous carbon nitride by supramolecular preassembly of monomers for photocatalytic removal of sulfamethazine under visible light driven. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 202-210. | 20.2 | 478 |

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|-----|---|------|-----------|
| 109 | Remediation of contaminated soils by biotechnology with nanomaterials: bio-behavior, applications, and perspectives. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 455-468. | 9.0 | 158 |
| 110 | Enhanced bioremediation of 4-nonylphenol and cadmium co-contaminated sediment by composting with <i>Phanerochaete chrysosporium</i> inocula. <i>Bioresource Technology</i> , 2018, 250, 625-634. | 9.6 | 40 |
| 111 | Transcriptome analysis reveals novel insights into the response to Pb exposure in <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2018, 194, 657-665. | 8.2 | 12 |
| 112 | Electrochemical Aptasensor Based on Sulfurâ€“Nitrogen Codoped Ordered Mesoporous Carbon and Thymineâ€“Hg ²⁺ â€“Thymine Mismatch Structure for Hg ²⁺ Detection. <i>ACS Sensors</i> , 2018, 3, 2566-2573. | 7.8 | 137 |
| 113 | Alkali Metal-Assisted Synthesis of Graphite Carbon Nitride with Tunable Band-Gap for Enhanced Visible-Light-Driven Photocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15503-15516. | 6.7 | 188 |
| 114 | Microplastic pollution in surface sediments of urban water areas in Changsha, China: Abundance, composition, surface textures. <i>Marine Pollution Bulletin</i> , 2018, 136, 414-423. | 5.0 | 183 |
| 115 | Recent advances in sensors for tetracycline antibiotics and their applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 109, 260-274. | 11.4 | 190 |
| 116 | Graphitic Carbon Nitride-Based Heterojunction Photoactive Nanocomposites: Applications and Mechanism Insight. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21035-21055. | 8.0 | 266 |
| 117 | Facile Hydrothermal Synthesis of Bi ₂ Fe ₄ O ₉ /Bi ₂ WO ₆ Heterojunction Photocatalyst with Enhanced Visible Light Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18824-18836. | 8.0 | 397 |
| 118 | Responses of microbial carbon metabolism and function diversity induced by complex fungal enzymes in lignocellulosic waste composting. <i>Science of the Total Environment</i> , 2018, 643, 539-547. | 8.0 | 24 |
| 119 | Nanoremediation of cadmium contaminated river sediments: Microbial response and organic carbon changes. <i>Journal of Hazardous Materials</i> , 2018, 359, 290-299. | 12.4 | 110 |
| 120 | Performance and toxicity assessment of nanoscale zero valent iron particles in the remediation of contaminated soil: A review. <i>Chemosphere</i> , 2018, 210, 1145-1156. | 8.2 | 149 |
| 121 | Difunctional chitosan-stabilized Fe/Cu bimetallic nanoparticles for removal of hexavalent chromium wastewater. <i>Science of the Total Environment</i> , 2018, 644, 1181-1189. | 8.0 | 76 |
| 122 | Chromosomal expression of CadR on <i>Pseudomonas aeruginosa</i> for the removal of Cd(II) from aqueous solutions. <i>Science of the Total Environment</i> , 2018, 636, 1355-1361. | 8.0 | 64 |
| 123 | A visual application of gold nanoparticles: Simple, reliable and sensitive detection of kanamycin based on hydrogen-bonding recognition. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 946-954. | 7.8 | 170 |
| 124 | The effects of rice straw biochar on indigenous microbial community and enzymes activity in heavy metal-contaminated sediment. <i>Chemosphere</i> , 2017, 174, 545-553. | 8.2 | 267 |
| 125 | The rapid degradation of bisphenol A induced by the response of indigenous bacterial communities in sediment. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3919-3928. | 3.6 | 34 |
| 126 | Effects of calcium at toxic concentrations of cadmium in plants. <i>Planta</i> , 2017, 245, 863-873. | 3.2 | 169 |

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|-----|---|------|-----------|
| 127 | Titanium dioxide nanotube arrays with silane coupling agent modification for heavy metal reduction and persistent organic pollutant degradation. <i>New Journal of Chemistry</i> , 2017, 41, 4377-4389. | 2.8 | 22 |
| 128 | Chitosan-wrapped gold nanoparticles for hydrogen-bonding recognition and colorimetric determination of the antibiotic kanamycin. <i>Mikrochimica Acta</i> , 2017, 184, 2097-2105. | 5.0 | 79 |
| 129 | Precipitation, adsorption and rhizosphere effect: The mechanisms for Phosphate-induced Pb immobilization in soils—A review. <i>Journal of Hazardous Materials</i> , 2017, 339, 354-367. | 12.4 | 327 |
| 130 | Lead-induced oxidative stress and antioxidant response provide insight into the tolerance of <i>Phanerochaete chrysosporium</i> to lead exposure. <i>Chemosphere</i> , 2017, 187, 70-77. | 8.2 | 58 |
| 131 | Stabilized Nanoscale Zerovalent Iron Mediated Cadmium Accumulation and Oxidative Damage of <i>Boehmeria nivea</i> (L.) Gaudich Cultivated in Cadmium Contaminated Sediments. <i>Environmental Science & Technology</i> , 2017, 51, 11308-11316. | 10.0 | 248 |
| 132 | Sorptive removal of ionizable antibiotic sulfamethazine from aqueous solution by graphene oxide-coated biochar nanocomposites: Influencing factors and mechanism. <i>Chemosphere</i> , 2017, 186, 414-421. | 8.2 | 158 |
| 133 | Effect of <i>Phanerochaete chrysosporium</i> inoculation on bacterial community and metal stabilization in lead-contaminated agricultural waste composting. <i>Bioresource Technology</i> , 2017, 243, 294-303. | 9.6 | 121 |
| 134 | Spatiotemporal and species variations in prokaryotic communities associated with sediments from surface-flow constructed wetlands for treating swine wastewater. <i>Chemosphere</i> , 2017, 185, 1-10. | 8.2 | 19 |
| 135 | Synthesis and application of magnetic chlorapatite nanoparticles for zinc (II), cadmium (II) and lead (II) removal from water solutions. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 824-835. | 9.4 | 43 |
| 136 | Manganese-enhanced degradation of lignocellulosic waste by <i>Phanerochaete chrysosporium</i> : evidence of enzyme activity and gene transcription. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6541-6549. | 3.6 | 21 |
| 137 | Incentive effect of bentonite and concrete admixtures on stabilization/solidification for heavy metal-polluted sediments of Xiangjiang River. <i>Environmental Science and Pollution Research</i> , 2017, 24, 892-901. | 5.3 | 20 |
| 138 | Combination of Fenton processes and biotreatment for wastewater treatment and soil remediation. <i>Science of the Total Environment</i> , 2017, 574, 1599-1610. | 8.0 | 282 |
| 139 | Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg ²⁺ -thymine base pairs for Hg ²⁺ detection. <i>Biosensors and Bioelectronics</i> , 2017, 90, 542-548. | 10.1 | 98 |
| 140 | Degradation of atrazine by a novel Fenton-like process and assessment the influence on the treated soil. <i>Journal of Hazardous Materials</i> , 2016, 312, 184-191. | 12.4 | 168 |
| 141 | Synthesis and evaluation of a new class of stabilized nano-chlorapatite for Pb immobilization in sediment. <i>Journal of Hazardous Materials</i> , 2016, 320, 278-288. | 12.4 | 118 |
| 142 | Immobilization of Cd in river sediments by sodium alginate modified nanoscale zero-valent iron: Impact on enzyme activities and microbial community diversity. <i>Water Research</i> , 2016, 106, 15-25. | 11.3 | 241 |
| 143 | Influence of morphological and chemical features of biochar on hydrogen peroxide activation: implications on sulfamethazine degradation. <i>RSC Advances</i> , 2016, 6, 73186-73196. | 3.6 | 98 |
| 144 | Composting of 4-nonylphenol-contaminated river sediment with inocula of <i>Phanerochaete chrysosporium</i> . <i>Bioresource Technology</i> , 2016, 221, 47-54. | 9.6 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 145 | Journal of Zhejiang University: Science | | |
| 146 | Effects of exogenous calcium and spermidine on cadmium stress moderation and metal accumulation in <i>Boehmeria nivea</i> (L.) Gaudich. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8699-8708. | 5.3 | 54 |
| 147 | Efficacy of carbonaceous nanocomposites for sorbing ionizable antibiotic sulfamethazine from aqueous solution. <i>Water Research</i> , 2016, 95, 103-112. | 11.3 | 326 |
| 148 | Nanoporous Au-based chronocoulometric aptasensor for amplified detection of Pb ²⁺ using DNAzyme modified with Au nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016, 81, 61-67. | 10.1 | 126 |
| 149 | Sensitive and selective detection of mercury ions based on papain and 2,6-pyridinedicarboxylic acid functionalized gold nanoparticles. <i>RSC Advances</i> , 2016, 6, 3259-3266. | 3.6 | 33 |
| 150 | Bioremediation of soils contaminated with polycyclic aromatic hydrocarbons, petroleum, pesticides, chlorophenols and heavy metals by composting: Applications, microbes and future research needs. <i>Biotechnology Advances</i> , 2015, 33, 745-755. | 11.7 | 706 |
| 151 | Study of the degradation of methylene blue by semi-solid-state fermentation of agricultural residues with <i>Phanerochaete chrysosporium</i> and reutilization of fermented residues. <i>Waste Management</i> , 2015, 38, 424-430. | 7.4 | 50 |
| 152 | Growth, metabolism of <i>Phanerochaete chrysosporium</i> and route of lignin degradation in response to cadmium stress in solid-state fermentation. <i>Chemosphere</i> , 2015, 138, 560-567. | 8.2 | 30 |
| 153 | Influence of exogenous lead pollution on enzyme activities and organic matter degradation in the surface of river sediment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11422-11435. | 5.3 | 19 |
| 154 | Bioconversion of oxygen-pretreated Kraft lignin to microbial lipid with oleaginous <i>Rhodococcus opacus</i> DSM 1069. <i>Green Chemistry</i> , 2015, 17, 2784-2789. | 9.0 | 117 |
| 155 | Combined removal of di(2-ethylhexyl)phthalate (DEHP) and Pb(II) by using a cutinase loaded nanoporous gold-polyethyleneimine adsorbent. <i>RSC Advances</i> , 2014, 4, 55511-55518. | 3.6 | 47 |
| 156 | Photocatalytic degradation of phenol by the heterogeneous Fe ₃ O ₄ nanoparticles and oxalate complex system. <i>RSC Advances</i> , 2014, 4, 40828-40836. | 3.6 | 27 |
| 157 | Antioxidant activity of carboxymethyl (1 \rightarrow 3)- β -D-glucan (from the sclerotium of <i>Poria cocos</i>) sulfate (in) Tj ETQq1 1 0.784314 rgBT / | 7.5 | 29 |
| 158 | Functionalized Gold Nanoparticles for Visual Determination of Dopamine in Biological Fluids. <i>ACS Applied Nano Materials</i> , 0, , . | 5.0 | 4 |