

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|--------------------------|---------------|-----------------|
| 205 papers | 16,376 citations | 74 h-index | 124 g-index |
| 212 ext. papers | 20,479 ext. citations | 10 avg, IF | 7.06 L-index |

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 205 | Hydroxyl radicals based advanced oxidation processes (AOPs) for remediation of soils contaminated with organic compounds: A review. <i>Chemical Engineering Journal</i> , 2016 , 284, 582-598 | 14.7 | 658 |
| 204 | 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 | 21.8 | 394 |
| 203 | Boron nitride quantum dots decorated ultrathin porous g-C ₃ N ₄ : Intensified exciton dissociation and charge transfer for promoting visible-light-driven molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 87-99 | 21.8 | 378 |
| 202 | Construction of iodine vacancy-rich BiOI/Ag@AgI Z-scheme heterojunction photocatalysts for visible-light-driven tetracycline degradation: Transformation pathways and mechanism insight. <i>Chemical Engineering Journal</i> , 2018 , 349, 808-821 | 14.7 | 354 |
| 201 | Biological technologies for the remediation of co-contaminated soil. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 1062-1076 | 9.4 | 341 |
| 200 | Atomic scale g-C ₃ N ₄ /Bi ₂ WO ₆ 2D/2D heterojunction with enhanced photocatalytic degradation of ibuprofen under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 285-294 | 21.8 | 318 |
| 199 | Adsorption of tetracycline antibiotics from aqueous solutions on nanocomposite multi-walled carbon nanotube functionalized MIL-53(Fe) as new adsorbent. <i>Science of the Total Environment</i> , 2018 , 627, 235-244 | 10.2 | 304 |
| 198 | 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 | 14.3 | 288 |
| 197 | Facile Hydrothermal Synthesis of Z-Scheme BiFeO ₃ /BiWO ₄ Heterojunction Photocatalyst with Enhanced Visible Light Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18824-18836 | 9.5 | 284 |
| 196 | Evaluation methods for assessing effectiveness of in situ remediation of soil and sediment contaminated with organic pollutants and heavy metals. <i>Environment International</i> , 2017 , 105, 43-55 | 12.9 | 275 |
| 195 | Bioremediation mechanisms of combined pollution of PAHs and heavy metals by bacteria and fungi: A mini review. <i>Bioresource Technology</i> , 2017 , 224, 25-33 | 11 | 270 |
| 194 | Ti ₃ C ₂ MXene/porous g-C ₃ N ₄ interfacial Schottky junction for boosting spatial charge separation in photocatalytic H ₂ O ₂ production. <i>Applied Catalysis B: Environmental</i> , 2019 , 258, 117956 | 21.8 | 269 |
| 193 | Efficacy of carbonaceous nanocomposites for sorbing ionizable antibiotic sulfamethazine from aqueous solution. <i>Water Research</i> , 2016 , 95, 103-12 | 12.5 | 260 |
| 192 | Metal-organic frameworks for highly efficient heterogeneous Fenton-like catalysis. <i>Coordination Chemistry Reviews</i> , 2018 , 368, 80-92 | 23.2 | 258 |
| 191 | 0D/2D interface engineering of carbon quantum dots modified Bi ₂ WO ₆ ultrathin nanosheets with enhanced photoactivity for full spectrum light utilization and mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2018 , 222, 115-123 | 21.8 | 233 |
| 190 | Sulfur doped carbon quantum dots loaded hollow tubular g-C ₃ N ₄ as novel photocatalyst for destruction of Escherichia coli and tetracycline degradation under visible light. <i>Chemical Engineering Journal</i> , 2019 , 378, 122132 | 14.7 | 224 |
| 189 | Synthesis of surface molecular imprinted TiO ₂ /graphene photocatalyst and its highly efficient photocatalytic degradation of target pollutant under visible light irradiation. <i>Applied Surface Science</i> , 2016 , 390, 368-376 | 6.7 | 218 |

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| 188 | Semiconductor/boron nitride composites: Synthesis, properties, and photocatalysis applications. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 6-18 | 21.8 | 218 |
| 187 | Adsorption of phosphate from aqueous solution using iron-zirconium modified activated carbon nanofiber: Performance and mechanism. <i>Journal of Colloid and Interface Science</i> , 2017 , 493, 17-23 | 9.3 | 206 |
| 186 | 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 | 12.5 | 205 |
| 185 | In Situ Grown AgI/Bi ₂ O ₃ /Bi ₂ WO ₆ Heterojunction Photocatalysts for Visible Light Degradation of Sulfamethazine: Efficiency, Pathway, and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4174-4184 | 8.3 | 200 |
| 184 | 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 | 23.2 | 199 |
| 183 | Investigating the adsorption behavior and the relative distribution of Cd sorption mechanisms on biochars by different feedstock. <i>Bioresource Technology</i> , 2018 , 261, 265-271 | 11 | 194 |
| 182 | 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 | 12.8 | 193 |
| 181 | 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 | 10.3 | 187 |
| 180 | Rational design 2D/2D BiOBr/CDs/g-C ₃ N ₄ Z-scheme heterojunction photocatalyst with carbon dots as solid-state electron mediators for enhanced visible and NIR photocatalytic activity: Kinetics, intermediates, and mechanism insight. <i>Journal of Catalysis</i> , 2019 , 369, 469-481 | 7.3 | 185 |
| 179 | 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. <i>Water Research</i> , 2020 , 184, 116200 | 12.5 | 181 |
| 178 | Current progress in biosensors for heavy metal ions based on DNAzymes/DNA molecules functionalized nanostructures: A review. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 280-294 | 8.5 | 180 |
| 177 | Fabrication of novel magnetic MnFeO/bio-char composite and heterogeneous photo-Fenton degradation of tetracycline in near neutral pH. <i>Chemosphere</i> , 2019 , 224, 910-921 | 8.4 | 168 |
| 176 | Multi-walled carbon nanotube/amino-functionalized MIL-53(Fe) composites: Remarkable adsorptive removal of antibiotics from aqueous solutions. <i>Chemosphere</i> , 2018 , 210, 1061-1069 | 8.4 | 167 |
| 175 | In-situ deposition of gold nanoparticles onto polydopamine-decorated g-CN for highly efficient reduction of nitroaromatics in environmental water purification. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 357-369 | 9.3 | 160 |
| 174 | 1D porous tubular g-C ₃ N ₄ capture black phosphorus quantum dots as 1D/0D metal-free photocatalysts for oxytetracycline hydrochloride degradation and hexavalent chromium reduction. <i>Applied Catalysis B: Environmental</i> , 2020 , 273, 119051 | 21.8 | 158 |
| 173 | Metal or metal-containing nanoparticle@MOF nanocomposites as a promising type of photocatalyst. <i>Coordination Chemistry Reviews</i> , 2019 , 388, 63-78 | 23.2 | 157 |
| 172 | Rational Design of Carbon-Doped Carbon Nitride/Bi ₂ O ₃ /Bi ₂ WO ₆ 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 | 8.3 | 156 |
| 171 | Rational design of graphitic carbon nitride copolymers by molecular doping for visible-light-driven degradation of aqueous sulfamethazine and hydrogen evolution. <i>Chemical Engineering Journal</i> , 2019 , 359, 186-196 | 14.7 | 153 |

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| 170 | Advantages and challenges of Tween 80 surfactant-enhanced technologies for the remediation of soils contaminated with hydrophobic organic compounds. <i>Chemical Engineering Journal</i> , 2017 , 314, 98-113 | 14.7 | 151 |
| 169 | Efficient degradation of sulfamethazine in simulated and real wastewater at slightly basic pH values using Co-SAM-SCS /HO Fenton-like system. <i>Water Research</i> , 2018 , 138, 7-18 | 12.5 | 151 |
| 168 | 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 | 11 | 149 |
| 167 | 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 | 8.5 | 147 |
| 166 | Biochar for environmental management: Mitigating greenhouse gas emissions, contaminant treatment, and potential negative impacts. <i>Chemical Engineering Journal</i> , 2019 , 373, 902-922 | 14.7 | 147 |
| 165 | Molecular engineering of polymeric carbon nitride for highly efficient photocatalytic oxytetracycline degradation and H ₂ O ₂ production. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118970 | 21.8 | 135 |
| 164 | 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 | 12.8 | 135 |
| 163 | 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 | 8.3 | 134 |
| 162 | Role of radical and non-radical pathway in activating persulfate for degradation of p-nitrophenol by sulfur-doped ordered mesoporous carbon. <i>Chemical Engineering Journal</i> , 2020 , 384, 123304 | 14.7 | 131 |
| 161 | Graphene oxide and carbon nitride nanosheets co-modified silver chromate nanoparticles with enhanced visible-light photoactivity and anti-photocorrosion properties towards multiple refractory pollutants degradation. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 493-505 | 21.8 | 127 |
| 160 | Prussian blue analogue derived magnetic Cu-Fe oxide as a recyclable photo-Fenton catalyst for the efficient removal of sulfamethazine at near neutral pH values. <i>Chemical Engineering Journal</i> , 2019 , 362, 865-876 | 14.7 | 126 |
| 159 | Nonnegligible role of biomass types and its compositions on the formation of persistent free radicals in biochar: Insight into the influences on Fenton-like process. <i>Chemical Engineering Journal</i> , 2019 , 361, 353-363 | 14.7 | 122 |
| 158 | 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 | 12.8 | 120 |
| 157 | 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 | 11.8 | 119 |
| 156 | Adsorption behavior of engineered carbons and carbon nanomaterials for metal endocrine disruptors: Experiments and theoretical calculation. <i>Chemosphere</i> , 2019 , 222, 184-194 | 8.4 | 118 |
| 155 | In Situ Grown Single-Atom Cobalt on Polymeric Carbon Nitride with Bidentate Ligand for Efficient Photocatalytic Degradation of Refractory Antibiotics. <i>Small</i> , 2020 , 16, e2001634 | 11 | 118 |
| 154 | Recent advances in sensors for tetracycline antibiotics and their applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 109, 260-274 | 14.6 | 118 |
| 153 | Remediation of contaminated soils by enhanced nanoscale zero valent iron. <i>Environmental Research</i> , 2018 , 163, 217-227 | 7.9 | 117 |

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| 152 | 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 | 11 | 115 |
| 151 | Mesoporous carbon nitride based biosensor for highly sensitive and selective analysis of phenol and catechol in compost bioremediation. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 519-25 | 11.8 | 114 |
| 150 | Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. <i>Chemical Engineering Journal</i> , 2019 , 371, 380-403 | 14.7 | 113 |
| 149 | Advanced photocatalytic Fenton-like process over biomimetic hemin-Bi ₂ WO ₆ with enhanced pH. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 184-192 | 5.3 | 109 |
| 148 | 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 | 8.4 | 109 |
| 147 | Au nanoparticles decorated on activated coke via a facile preparation for efficient catalytic reduction of nitrophenols and azo dyes. <i>Applied Surface Science</i> , 2019 , 473, 578-588 | 6.7 | 108 |
| 146 | Efficient visible light driven degradation of sulfamethazine and tetracycline by salicylic acid modified polymeric carbon nitride via charge transfer. <i>Chemical Engineering Journal</i> , 2019 , 370, 1077-1086 | 14.7 | 104 |
| 145 | Electrochemical Aptasensor Based on Sulfur-Nitrogen Codoped Ordered Mesoporous Carbon and Thymine-Hg-Thymine Mismatch Structure for Hg Detection. <i>ACS Sensors</i> , 2018 , 3, 2566-2573 | 9.2 | 103 |
| 144 | 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 | 8.4 | 100 |
| 143 | A multifunctional platform by controlling of carbon nitride in the core-shell structure: From design to construction, and catalysis applications. <i>Applied Catalysis B: Environmental</i> , 2019 , 258, 117957 | 21.8 | 97 |
| 142 | Recent progress on metal-organic frameworks based- and derived-photocatalysts for water splitting. <i>Chemical Engineering Journal</i> , 2020 , 383, 123196 | 14.7 | 96 |
| 141 | Strategies to improve metal organic frameworks photocatalyst performance for degradation of organic pollutants. <i>Coordination Chemistry Reviews</i> , 2018 , 376, 449-466 | 23.2 | 96 |
| 140 | Metal sulfide/MOF-based composites as visible-light-driven photocatalysts for enhanced hydrogen production from water splitting. <i>Coordination Chemistry Reviews</i> , 2020 , 409, 213220 | 23.2 | 92 |
| 139 | Effect of Phanerochaete chrysosporium inoculation on bacterial community and metal stabilization in lead-contaminated agricultural waste composting. <i>Bioresource Technology</i> , 2017 , 243, 294-303 | 11 | 92 |
| 138 | Visible-light-driven photocatalytic degradation of sulfamethazine by surface engineering of carbon nitride: Properties, degradation pathway and mechanisms. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120815 | 12.8 | 90 |
| 137 | Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg-thymine base pairs for Hg detection. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 542-548 | 11.8 | 90 |
| 136 | A novel SnS ₂ /MgFe ₂ O ₄ /reduced graphene oxide flower-like photocatalyst: Solvothermal synthesis, characterization and improved visible-light photocatalytic activity. <i>Catalysis Communications</i> , 2015 , 61, 62-66 | 3.2 | 87 |
| 135 | Degradation of sulfamethazine by biochar-supported bimetallic oxide/persulfate system in natural water: Performance and reaction mechanism. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122816 | 12.8 | 86 |

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| 134 | Nanoremediation of cadmium contaminated river sediments: Microbial response and organic carbon changes. <i>Journal of Hazardous Materials</i> , 2018 , 359, 290-299 | 12.8 | 84 |
| 133 | Cadmium-containing quantum dots: properties, applications, and toxicity. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 2713-2733 | 5.7 | 77 |
| 132 | Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120864 | 12.8 | 77 |
| 131 | Immobilized laccase on bentonite-derived mesoporous materials for removal of tetracycline. <i>Chemosphere</i> , 2019 , 222, 865-871 | 8.4 | 72 |
| 130 | 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 | 10.2 | 72 |
| 129 | Influence of morphological and chemical features of biochar on hydrogen peroxide activation: implications on sulfamethazine degradation. <i>RSC Advances</i> , 2016 , 6, 73186-73196 | 3.7 | 71 |
| 128 | Effect of multi-walled carbon nanotubes on phytotoxicity of sediments contaminated by phenanthrene and cadmium. <i>Chemosphere</i> , 2017 , 172, 449-458 | 8.4 | 70 |
| 127 | Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22848-22868 | 13.5 | 68 |
| 126 | Chitosan-wrapped gold nanoparticles for hydrogen-bonding recognition and colorimetric determination of the antibiotic kanamycin. <i>Mikrochimica Acta</i> , 2017 , 184, 2097-2105 | 5.8 | 67 |
| 125 | Heavy metal-induced glutathione accumulation and its role in heavy metal detoxification in <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 6409-18 | 5.7 | 67 |
| 124 | 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 | 9.3 | 65 |
| 123 | Recent progress in sustainable technologies for adsorptive and reactive removal of sulfonamides. <i>Chemical Engineering Journal</i> , 2020 , 389, 123423 | 14.7 | 63 |
| 122 | Mn doped magnetic biochar as persulfate activator for the degradation of tetracycline. <i>Chemical Engineering Journal</i> , 2020 , 391, 123532 | 14.7 | 63 |
| 121 | Application of silver phosphate-based photocatalysts: Barriers and solutions. <i>Chemical Engineering Journal</i> , 2019 , 366, 339-357 | 14.7 | 61 |
| 120 | Catalyst-free activation of permanganate under visible light irradiation for sulfamethazine degradation: Experiments and theoretical calculation. <i>Water Research</i> , 2021 , 194, 116915 | 12.5 | 60 |
| 119 | Metal-organic frameworks and their derivatives as signal amplification elements for electrochemical sensing. <i>Coordination Chemistry Reviews</i> , 2020 , 424, 213520 | 23.2 | 58 |
| 118 | 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 | 7.9 | 57 |
| 117 | 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 | 9.4 | 57 |

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| 116 | Fabrication of water-compatible molecularly imprinted polymer based on β -cyclodextrin modified magnetic chitosan and its application for selective removal of bisphenol A from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 77, 113-121 | 5.3 | 56 |
| 115 | Label free detection of lead using impedimetric sensor based on ordered mesoporous carbon-gold nanoparticles and DNAzyme catalytic beacons. <i>Talanta</i> , 2016 , 146, 641-7 | 6.2 | 55 |
| 114 | Environment-friendly fullerene separation methods. <i>Chemical Engineering Journal</i> , 2017 , 330, 134-145 | 14.7 | 55 |
| 113 | Salicylic acid/ethanol modified steel converter slag as heterogeneous Fenton-like catalyst for enhanced degradation of alachlor. <i>Chemical Engineering Journal</i> , 2017 , 327, 686-693 | 14.7 | 54 |
| 112 | Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121470 | 12.8 | 54 |
| 111 | PINK1/Parkin-mediated mitophagy alleviates chlorpyrifos-induced apoptosis in SH-SY5Y cells. <i>Toxicology</i> , 2015 , 334, 72-80 | 4.4 | 53 |
| 110 | Mechanisms for rhamnolipids-mediated biodegradation of hydrophobic organic compounds. <i>Science of the Total Environment</i> , 2018 , 634, 1-11 | 10.2 | 53 |
| 109 | Recent advances in two-dimensional nanomaterials for photocatalytic reduction of CO ₂ : insights into performance, theories and perspective. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19156-19195 | 13 | 53 |
| 108 | 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 | 10.2 | 52 |
| 107 | Ferrous ion-tartaric acid chelation promoted calcium peroxide fenton-like reactions for simulated organic wastewater treatment. <i>Journal of Cleaner Production</i> , 2020 , 268, 122253 | 10.3 | 50 |
| 106 | Progress and challenges of metal-organic frameworks-based materials for SR-AOPs applications in water treatment. <i>Chemosphere</i> , 2021 , 263, 127672 | 8.4 | 50 |
| 105 | A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , 2021 , 766, 142572 | 10.2 | 50 |
| 104 | Plastid casein kinase 2 knockout reduces abscisic acid (ABA) sensitivity, thermotolerance, and expression of ABA- and heat-stress-responsive nuclear genes. <i>Journal of Experimental Botany</i> , 2014 , 65, 4159-75 | 7 | 49 |
| 103 | Recent advances in application of transition metal phosphides for photocatalytic hydrogen production. <i>Chemical Engineering Journal</i> , 2021 , 405, 126547 | 14.7 | 46 |
| 102 | Biochar-mediated Fenton-like reaction for the degradation of sulfamethazine: Role of environmentally persistent free radicals. <i>Chemosphere</i> , 2020 , 255, 126975 | 8.4 | 45 |
| 101 | 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 | 8.4 | 45 |
| 100 | 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, 424-30 | 8.6 | 44 |
| 99 | Selective removal of BPA from aqueous solution using molecularly imprinted polymers based on magnetic graphene oxide. <i>RSC Advances</i> , 2016 , 6, 106201-106210 | 3.7 | 43 |

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| 98 | Carbon nitride based photocatalysts for solar photocatalytic disinfection, can we go further?. <i>Chemical Engineering Journal</i> , 2021 , 404, 126540 | 14.7 | 43 |
| 97 | 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 | 3.7 | 42 |
| 96 | An overview on nitride and nitrogen-doped photocatalysts for energy and environmental applications. <i>Composites Part B: Engineering</i> , 2019 , 172, 704-723 | 10 | 41 |
| 95 | Dual Optimization Approach to Mo Single Atom Dispersed g-C ₃ N ₄ Photocatalyst: Morphology and Defect Evolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 303, 120904 | 21.8 | 38 |
| 94 | Neonatal chlorpyrifos exposure induces loss of dopaminergic neurons in young adult rats. <i>Toxicology</i> , 2015 , 336, 17-25 | 4.4 | 37 |
| 93 | Purification and biochemical characterization of two extracellular peroxidases from <i>Phanerochaete chrysosporium</i> responsible for lignin biodegradation. <i>International Biodeterioration and Biodegradation</i> , 2013 , 85, 166-172 | 4.8 | 37 |
| 92 | Sustainable hydrogen production by molybdenum carbide-based efficient photocatalysts: From properties to mechanism. <i>Advances in Colloid and Interface Science</i> , 2020 , 279, 102144 | 14.3 | 34 |
| 91 | Cadmium induced oxalic acid secretion and its role in metal uptake and detoxification mechanisms in <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 435-43 | 5.7 | 32 |
| 90 | Combined biological removal of methylene blue from aqueous solutions using rice straw and <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 5247-56 | 5.7 | 32 |
| 89 | 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 | 3.7 | 32 |
| 88 | Global evolution of research on green energy and environmental technologies:A bibliometric study. <i>Journal of Environmental Management</i> , 2021 , 297, 113382 | 7.9 | 32 |
| 87 | Functionalized Biochar/Clay Composites for Reducing the Bioavailable Fraction of Arsenic and Cadmium in River Sediment. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 2337-2347 | 3.8 | 31 |
| 86 | Synthetic strategies and application of gold-based nanocatalysts for nitroaromatics reduction. <i>Science of the Total Environment</i> , 2019 , 652, 93-116 | 10.2 | 31 |
| 85 | Recent advances in photocatalytic degradation of plastics and plastic-derived chemicals. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13402-13441 | 13 | 31 |
| 84 | Synthesis and Application of Modified Zero-Valent Iron Nanoparticles for Removal of Hexavalent Chromium from Wastewater. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1 | 2.6 | 30 |
| 83 | Influence of surface functionalities of pyrogenic carbonaceous materials on the generation of reactive species towards organic contaminants: A review. <i>Chemical Engineering Journal</i> , 2021 , 404, 127066 | 14.7 | 30 |
| 82 | Structure defined 2D Mo ₂ C/2Dg-C ₃ N ₄ Van der Waals heterojunction: Oriented charge flow in-plane and separation within the interface to collectively promote photocatalytic degradation of pharmaceutical and personal care products. <i>Applied Catalysis B: Environmental</i> , 2021 , 301, 120749 | 21.8 | 30 |
| 81 | Roles of multiwall carbon nanotubes in phytoremediation: cadmium uptake and oxidative burst in <i>Boehmeria nivea</i> (L.) Gaudich. <i>Environmental Science: Nano</i> , 2019 , 6, 851-862 | 7.1 | 28 |

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| 80 | Formation of Mo ₂ C/hollow tubular g-C ₃ N ₄ hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. <i>Applied Surface Science</i> , 2020 , 527, 146757 | 6.7 | 28 |
| 79 | Metal bioaccumulation, oxidative stress and antioxidant defenses in <i>Phanerochaete chrysosporium</i> response to Cd exposure. <i>Ecological Engineering</i> , 2016 , 87, 150-156 | 3.9 | 28 |
| 78 | 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 | 9.3 | 28 |
| 77 | Sensitive impedimetric biosensor based on duplex-like DNA scaffolds and ordered mesoporous carbon nitride for silver(I) ion detection. <i>Analyst, The</i> , 2014 , 139, 6529-35 | 5 | 28 |
| 76 | Influence of surfactants on anaerobic digestion of waste activated sludge: acid and methane production and pollution removal. <i>Critical Reviews in Biotechnology</i> , 2019 , 39, 746-757 | 9.4 | 27 |
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