

Chen Zhang

List of Publications by Year in Descending Order

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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.

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	Periodate activated by manganese oxide/biochar composites for antibiotic degradation in aqueous system: Combined effects of active manganese species and biochar.. <i>Environmental Pollution</i> , 2022 , 300, 118939	9.3	2
204	Core-shell structured nanoparticles for photodynamic therapy-based cancer treatment and related imaging. <i>Coordination Chemistry Reviews</i> , 2022 , 458, 214427	23.2	2
203	Recent advances in photoelectrocatalysis for environmental applications: Sensing, pollutants removal and microbial inactivation. <i>Coordination Chemistry Reviews</i> , 2022 , 454, 214341	23.2	11
202	Lignocellulosic biomass carbonization for biochar production and characterization of biochar reactivity. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 157, 112056	16.2	7
201	Rational design to manganese and oxygen co-doped polymeric carbon nitride for efficient nonradical activation of peroxymonosulfate and the mechanism insight. <i>Chemical Engineering Journal</i> , 2022 , 430, 132751	14.7	26
200	Response of microorganisms to phosphate nanoparticles in Pb polluted sediment: Implications of Pb bioavailability, enzyme activities and bacterial community. <i>Chemosphere</i> , 2022 , 286, 131643	8.4	2
199	Heteroatom doping in metal-free carbonaceous materials for the enhancement of persulfate activation. <i>Chemical Engineering Journal</i> , 2022 , 427, 131655	14.7	19
198	Effects of biochar-based materials on the bioavailability of soil organic pollutants and their biological impacts.. <i>Science of the Total Environment</i> , 2022 , 826, 153956	10.2	0
197	Managing Fenton-treated sediment with biochar and sheep manure compost: Effects on the evolutionary characteristics of bacterial community.. <i>Journal of Environmental Management</i> , 2022 , 316, 115218	7.9	0
196	Multiple optimization strategies for improving photocatalytic performance of the h-BN/flower-ring g-C3N4 heterostructures: Morphology engineering and internal electric field effect. <i>Chemical Engineering Journal</i> , 2022 , 137027	14.7	0
195	Molecular engineering of donor-acceptor structured g-C3N4 for superior photocatalytic oxytetracycline degradation. <i>Chemical Engineering Journal</i> , 2022 , 137370	14.7	2
194	Dual Optimization Approach to Mo Single Atom Dispersed g-C3N4 Photocatalyst: Morphology and Defect Evolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 303, 120904	21.8	38
193	Biochar in the 21st century: A data-driven visualization of collaboration, frontier identification, and future trend. <i>Science of the Total Environment</i> , 2021 , 151774	10.2	4
192	Enhanced biogas production in anaerobic digestion of sludge medicated by biochar prepared from excess sludge: Role of persistent free radicals and electron mediators. <i>Bioresource Technology</i> , 2021 , 126422	11	3
191	Lignocellulosic biomass derived N-doped and CoO-loaded carbocatalyst used as highly efficient peroxymonosulfate activator for ciprofloxacin degradation.. <i>Journal of Colloid and Interface Science</i> , 2021 , 610, 221-233	9.3	1
190	Tailoring biochar for persulfate-based environmental catalysis: Impact of biomass feedstocks. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127663	12.8	6
189	Metal-modified sludge-based biochar enhance catalytic capacity: Characteristics and mechanism. <i>Journal of Environmental Management</i> , 2021 , 284, 112113	7.9	16

188	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
187	Deep Learning-Based Automatic Tumor Burden Assessment of Pediatric High-Grade Gliomas, Medulloblastomas, and Other Leptomeningeal Seeding Tumors. <i>Neuro-Oncology</i> , 2021 ,	1	4
186	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	5.6	0
185	Tissue factor pathway inhibitor 2 suppresses the growth of thyroid cancer cells through by induction of apoptosis. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2021 , 17, e48-e56	1.9	1
184	Carbon nitride based photocatalysts for solar photocatalytic disinfection, can we go further?. <i>Chemical Engineering Journal</i> , 2021 , 404, 126540	14.7	43
183	Recent advances in application of transition metal phosphides for photocatalytic hydrogen production. <i>Chemical Engineering Journal</i> , 2021 , 405, 126547	14.7	46
182	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
181	A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , 2021 , 766, 142572	10.2	50
180	Application of biochar for the remediation of polluted sediments. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124052	12.8	26
179	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
178	Recent advances in photocatalytic degradation of plastics and plastic-derived chemicals. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13402-13441	13	31
177	iTRAQ-based proteomic analysis of the hippocampus of pentylene-tetrazole-kindled epileptic rats. <i>International Journal of Developmental Neuroscience</i> , 2021 , 81, 125-141	2.7	1
176	Metal chalcogenide/oxide-based quantum dots decorated functional materials for energy-related applications: Synthesis and preservation. <i>Coordination Chemistry Reviews</i> , 2021 , 429, 213715	23.2	4
175	Effects of swine manure composting by microbial inoculation: Heavy metal fractions, humic substances, and bacterial community metabolism. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125559	12.8	21
174	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
173	Silver iodide decorated ZnSn(OH) ₆ hollow cube: Room-temperature preparation and application for highly efficient photocatalytic oxytetracycline degradation. <i>Chemical Engineering Journal</i> , 2021 , 421, 129810	14.7	24
172	Development and validation of a new scoring system for the early diagnosis of tuberculous meningitis in adults. <i>Diagnostic Microbiology and Infectious Disease</i> , 2021 , 101, 115393	2.9	0
171	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

170	Mechanism of removal and degradation characteristics of dicamba by biochar prepared from Fe-modified sludge. <i>Journal of Environmental Management</i> , 2021 , 299, 113602	7.9	3
169	Altered Expression of Par3, aPKC- η and Lgl1 in Hippocampus in Kainic Acid-Induced Status Epilepticus Rat Model.. <i>Frontiers in Neurology</i> , 2021 , 12, 780042	4.1	1
168	1D porous tubular g-C3N4 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
167	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
166	Formation of Mo2C/hollow tubular g-C3N4 hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. <i>Applied Surface Science</i> , 2020 , 527, 146757	6.7	28
165	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
164	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
163	Interface modulation of Mo2C@foam nickel via MoS2 quantum dots for the electrochemical oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15074-15085	13	15
162	Hydrogen Gas Attenuates Hypoxic-Ischemic Brain Injury via Regulation of the MAPK/HO-1/PGC-1 α Pathway in Neonatal Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 6978784	6.7	15
161	Deterministic thermal micro-reflow of lithographic structures for Sub-10-nm metallic gaps fabrication. <i>Microelectronic Engineering</i> , 2020 , 225, 111275	2.5	2
160	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
159	Impaired consciousness and decreased glucose concentration of CSF as prognostic factors in immunocompetent patients with cryptococcal meningitis. <i>BMC Infectious Diseases</i> , 2020 , 20, 69	4	6
158	Molecular engineering of polymeric carbon nitride for highly efficient photocatalytic oxytetracycline degradation and H2O2 production. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118970	21.8	135
157	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
156	F dopants triggered active sites in bifunctional cobalt sulfide@nickel foam toward electrocatalytic overall water splitting in neutral and alkaline media: Experiments and theoretical calculations. <i>Journal of Catalysis</i> , 2020 , 385, 129-139	7.3	26
155	MiR-181b suppresses the progression of epilepsy by regulation of lncRNA ZNF883. <i>American Journal of Translational Research (discontinued)</i> , 2020 , 12, 2769-2780	3	2
154	Association of Infection with Vitamin D Deficiency in Infants and Toddlers. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 102, 541-546	3.2	6
153	High-fidelity fabrication of plasmonic nanoholes array via ion-beam planarization for extraordinary transmission applications. <i>Applied Surface Science</i> , 2020 , 526, 146690	6.7	8

152	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
151	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
150	Recent progress in sustainable technologies for adsorptive and reactive removal of sulfonamides. <i>Chemical Engineering Journal</i> , 2020 , 389, 123423	14.7	63
149	Adhesion-Engineering-Enabled Etch and Peel Lithography for Aluminum Plasmonic Nanogaps. <i>Advanced Optical Materials</i> , 2020 , 8, 1901202	8.1	4
148	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
147	Fabrication of an innovative designed TiO ₂ nanosheets/CdSe/polyaniline/graphene quaternary composite and its application as in-situ photocathodic protection coatings on 304SS. <i>Journal of Alloys and Compounds</i> , 2020 , 822, 153685	5.7	14
146	The synergistic effect of proton intercalation and electron transfer via electro-activated molybdenum disulfide/graphite felt toward hydrogen evolution reaction. <i>Journal of Catalysis</i> , 2020 , 381, 175-185	7.3	17
145	Mn doped magnetic biochar as persulfate activator for the degradation of tetracycline. <i>Chemical Engineering Journal</i> , 2020 , 391, 123532	14.7	63
144	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
143	Application of the APE-CHN and RITE-CHN scores for autoimmune seizures and epilepsy in Chinese patients: A retrospective study. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020 , 81, 63-70	3.2	1
142	Metal-organic frameworks and their derivatives as signal amplification elements for electrochemical sensing. <i>Coordination Chemistry Reviews</i> , 2020 , 424, 213520	23.2	58
141	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
140	Recent progress on metal-organic frameworks based- and derived-photocatalysts for water splitting. <i>Chemical Engineering Journal</i> , 2020 , 383, 123196	14.7	96
139	Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22848-22878	13	108
138	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
137	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
136	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
135	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

134	Knowledge and behavior regarding pesticide use: a survey among caregivers of children aged 1-6 years from rural China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 23037-23043	5.1	2
133	Protective mechanism of Taxifolin for chlorpyrifos neurotoxicity in BV2 cells. <i>NeuroToxicology</i> , 2019 , 74, 74-80	4.4	6
132	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
131	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
130	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
129	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
128	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
127	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
126	Immobilized laccase on bentonite-derived mesoporous materials for removal of tetracycline. <i>Chemosphere</i> , 2019 , 222, 865-871	8.4	72
125	Dugongs under threat. <i>Science</i> , 2019 , 365, 552	33.3	6
124	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
123	Hydrogen inhalation protects hypoxic-ischemic brain damage by attenuating inflammation and apoptosis in neonatal rats. <i>Experimental Biology and Medicine</i> , 2019 , 244, 1017-1027	3.7	8
122	Ti3C2 Mxene/porous g-C3N4 interfacial Schottky junction for boosting spatial charge separation in photocatalytic H2O2 production. <i>Applied Catalysis B: Environmental</i> , 2019 , 258, 117956	21.8	269
121	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
120	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
119	Sulfur doped carbon quantum dots loaded hollow tubular g-C3N4 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
118	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
117	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

116	Application of silver phosphate-based photocatalysts: Barriers and solutions. <i>Chemical Engineering Journal</i> , 2019 , 366, 339-357	14.7	61
115	Spectrum of clinical features and neuroimaging findings in acute cerebral infarction patients with unusual ipsilateral motor impairment- a series of 22 cases. <i>BMC Neurology</i> , 2019 , 19, 279	3.1	3
114	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
113	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
112	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
111	Suppression of microRNA-141 suppressed p53 to protect against neural apoptosis in epilepsy by SIRT1 expression. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 9409-9420	4.7	10
110	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
109	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
108	Rational design of graphic 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
107	Insights into the effect of chemical treatment on the physicochemical characteristics and adsorption behavior of pig manure-derived biochars. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 1962-1972	5.1	4
106	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
105	Effects of thermal treatments on the residual stress and micro-yield strength of Al ₂ O ₃ dispersion strengthened copper alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 781, 490-495	5.7	10
104	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
103	Remediation of contaminated soils by enhanced nanoscale zero valent iron. <i>Environmental Research</i> , 2018 , 163, 217-227	7.9	117
102	Mechanisms for rhamnolipids-mediated biodegradation of hydrophobic organic compounds. <i>Science of the Total Environment</i> , 2018 , 634, 1-11	10.2	53
101	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	8.3	156
100	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
99	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

98	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
97	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
96	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
95	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
94	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
93	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
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	Successful treatment of reflex epilepsy with praxis induction by stimulus avoidance only. <i>Epilepsy and Behavior</i> , 2018 , 86, 163-165	3.2	
84	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
83	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
82	Semiconductor/boron nitride composites: Synthesis, properties, and photocatalysis applications. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 6-18	21.8	218
81	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

80	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
79	Metal-organic frameworks for highly efficient heterogeneous Fenton-like catalysis. <i>Coordination Chemistry Reviews</i> , 2018 , 368, 80-92	23.2	258
78	Perchlorate catalysis reduction by benzalkonium chloride immobilized biomass carbon supported Re-Pd bimetallic cluster particle electrode. <i>Chemical Engineering Journal</i> , 2018 , 348, 765-774	14.7	9
77	A review of titanium dioxide and its highlighted application in molecular imprinting technology in environment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 91, 517-531	5.3	24
76	Role of miR-181a in the process of apoptosis of multiple malignant tumors: A literature review. <i>Advances in Clinical and Experimental Medicine</i> , 2018 , 27, 263-270	1.8	11
75	BIOSORPTION BEHAVIOR OF IMMOBILIZED <i>Phanerochaete chrysosporium</i> FOR HEAVY METALS REMOVAL. <i>Environmental Engineering and Management Journal</i> , 2018 , 17, 2789-2794	0.6	1
74	Colorimetric determination of mercury(II) using gold nanoparticles and double ligand exchange. <i>Mikrochimica Acta</i> , 2018 , 186, 31	5.8	23
73	Molecular docking simulation on the interactions of laccase from <i>Trametes versicolor</i> with nonylphenol and octylphenol isomers. <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 331-343	3.7	18
72	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
71	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
70	Recent advances in sensors for tetracycline antibiotics and their applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 109, 260-274	14.6	118
69	Evaluation of the effects of chlorpyrifos combined with lipopolysaccharide stress on neuroinflammation and spatial memory in neonatal rats. <i>Toxicology</i> , 2018 , 410, 106-115	4.4	7
68	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
67	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
66	Facile Hydrothermal Synthesis of Z-Scheme BiFeO/BiWO Heterojunction Photocatalyst with Enhanced Visible Light Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18824-18836	9.5	284
65	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
64	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
63	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

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