

Chen Zhang

List of Publications by Year in descending order

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207
papers

24,878
citations

2802

94
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7348

152
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all docs

212
docs citations

212
times ranked

18749
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning-based automatic tumor burden assessment of pediatric high-grade gliomas, medulloblastomas, and other leptomeningeal seeding tumors. <i>Neuro-Oncology</i> , 2022, 24, 289-299.	1.2	28
2	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> , 2022, 301, 120749.	20.2	118
3	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.	8.2	15
4	Heteroatom doping in metal-free carbonaceous materials for the enhancement of persulfate activation. <i>Chemical Engineering Journal</i> , 2022, 427, 131655.	12.7	90
5	Tailoring biochar for persulfate-based environmental catalysis: Impact of biomass feedstocks. <i>Journal of Hazardous Materials</i> , 2022, 424, 127663.	12.4	53
6	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.	12.7	70
7	Dual optimization approach to Mo single atom dispersed g-C ₃ N ₄ photocatalyst: Morphology and defect evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120904.	20.2	203
8	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
9	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> , 2022, 347, 126422.	9.6	23
10	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> , 2022, 610, 221-233.	9.4	17
11	Recent advances in photoelectrocatalysis for environmental applications: Sensing, pollutants removal and microbial inactivation. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214341.	18.8	55
12	Lignocellulosic biomass carbonization for biochar production and characterization of biochar reactivity. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112056.	16.4	71
13	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.	7.5	51
14	Core-shell structured nanoparticles for photodynamic therapy-based cancer treatment and related imaging. <i>Coordination Chemistry Reviews</i> , 2022, 458, 214427.	18.8	30
15	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.	8.0	25
16	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.	7.8	6
17	Multiple optimization strategies for improving photocatalytic performance of the h-BN/flower-ring g-C ₃ N ₄ heterostructures: Morphology engineering and internal electric field effect. <i>Chemical Engineering Journal</i> , 2022, 446, 137027.	12.7	51
18	Molecular engineering of donor-acceptor structured g-C ₃ N ₄ for superior photocatalytic oxytetracycline degradation. <i>Chemical Engineering Journal</i> , 2022, 448, 137370.	12.7	70

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19	Peroxydisulfate activation by sulfur-doped ordered mesoporous carbon: Insight into the intrinsic relationship between defects and $1O_2$ generation. <i>Water Research</i> , 2022, 221, 118797.	11.3	104
20	Phytoremediation plants (ramie) and steel smelting wastes for calcium silicate coated-nZVI/biochar production: Environmental risk assessment and efficient As(V) removal mechanisms. <i>Science of the Total Environment</i> , 2022, 844, 156924.	8.0	12
21	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.	1.1	2
22	Carbon nitride based photocatalysts for solar photocatalytic disinfection, can we go further?. <i>Chemical Engineering Journal</i> , 2021, 404, 126540.	12.7	105
23	Recent advances in application of transition metal phosphides for photocatalytic hydrogen production. <i>Chemical Engineering Journal</i> , 2021, 405, 126547.	12.7	139
24	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
25	A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , 2021, 766, 142572.	8.0	189
26	Application of biochar for the remediation of polluted sediments. <i>Journal of Hazardous Materials</i> , 2021, 404, 124052.	12.4	67
27	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.	12.7	54
28	Recent advances in photocatalytic degradation of plastics and plastic-derived chemicals. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13402-13441.	10.3	118
29	iTRAQ-based proteomic analysis of the hippocampus of pentylenetetrazole-kindled epileptic rats. <i>International Journal of Developmental Neuroscience</i> , 2021, 81, 125-141.	1.6	5
30	Metal chalcogenide/oxide-based quantum dots decorated functional materials for energy-related applications: Synthesis and preservation. <i>Coordination Chemistry Reviews</i> , 2021, 429, 213715.	18.8	7
31	Metal-modified sludge-based biochar enhance catalytic capacity: Characteristics and mechanism. <i>Journal of Environmental Management</i> , 2021, 284, 112113.	7.8	43
32	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
33	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
34	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.	12.4	68
35	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.	12.7	67
36	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.	1.8	10

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37	Global evolution of research on green energy and environmental technologies:A bibliometric study. Journal of Environmental Management, 2021, 297, 113382.	7.8	139
38	Mechanism of removal and degradation characteristics of dicamba by biochar prepared from Fe-modified sludge. Journal of Environmental Management, 2021, 299, 113602.	7.8	29
39	Altered Expression of Par3, aPKC- β , and Lgl1 in Hippocampus in Kainic Acid-Induced Status Epilepticus Rat Model. Frontiers in Neurology, 2021, 12, 780042.	2.4	4
40	Recent progress on metal-organic frameworks based- and derived-photocatalysts for water splitting. Chemical Engineering Journal, 2020, 383, 123196.	12.7	148
41	Role of radical and non-radical pathway in activating persulfate for degradation of p-nitrophenol by sulfur-doped ordered mesoporous carbon. Chemical Engineering Journal, 2020, 384, 123304.	12.7	208
42	Recent progress in sustainable technologies for adsorptive and reactive removal of sulfonamides. Chemical Engineering Journal, 2020, 389, 123423.	12.7	122
43	Adhesion-Engineering-Enabled -Sketch and Peel-Lithography for Aluminum Plasmonic Nanogaps. Advanced Optical Materials, 2020, 8, 1901202.	7.3	7
44	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. Journal of Hazardous Materials, 2020, 384, 121470.	12.4	121
45	Fabrication of an innovative designed TiO ₂ nanosheets/CdSe/polyaniline/graphene quaternary composite and its application as in-situ photocathodic protection coatings on 304SS. Journal of Alloys and Compounds, 2020, 822, 153685.	5.5	33
46	The synergistic effect of proton intercalation and electron transfer via electro-activated molybdenum disulfide/graphite felt toward hydrogen evolution reaction. Journal of Catalysis, 2020, 381, 175-185.	6.2	21
47	Mn doped magnetic biochar as persulfate activator for the degradation of tetracycline. Chemical Engineering Journal, 2020, 391, 123532.	12.7	169
48	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
49	Application of the APE2-CHN and RITE2-CHN scores for autoimmune seizures and epilepsy in Chinese patients: A retrospective study. Seizure: the Journal of the British Epilepsy Association, 2020, 81, 63-70.	2.0	8
50	Metal-organic frameworks and their derivatives as signal amplification elements for electrochemical sensing. Coordination Chemistry Reviews, 2020, 424, 213520.	18.8	105
51	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
52	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. Applied Catalysis B: Environmental, 2020, 273, 119051.	20.2	306
53	Biochar-mediated Fenton-like reaction for the degradation of sulfamethazine: Role of environmentally persistent free radicals. Chemosphere, 2020, 255, 126975.	8.2	92
54	Formation of Mo ₂ C/hollow tubular g-C ₃ N ₄ hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. Applied Surface Science, 2020, 527, 146757.	6.1	56

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55	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.	9.3	84
56	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.	10.0	235
57	Interface modulation of Mo ₂ C@foam nickel via MoS ₂ quantum dots for the electrochemical oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15074-15085.	10.3	25
58	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, 1-16.	4.0	23
59	Deterministic thermal micro-reflow of lithographic structures for Sub-10-nm metallic gaps fabrication. <i>Microelectronic Engineering</i> , 2020, 225, 111275.	2.4	2
60	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.	18.8	169
61	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.	2.9	15
62	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.	20.2	263
63	Sustainable hydrogen production by molybdenum carbide-based efficient photocatalysts: From properties to mechanism. <i>Advances in Colloid and Interface Science</i> , 2020, 279, 102144.	14.7	55
64	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.	6.2	47
65	High-fidelity fabrication of plasmonic nanoholes array via ion-beam planarization for extraordinary transmission applications. <i>Applied Surface Science</i> , 2020, 526, 146690.	6.1	18
66	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.	12.4	133
67	Association of <i>Helicobacter pylori</i> Infection with Vitamin D Deficiency in Infants and Toddlers. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 102, 541-546.	1.4	18
68	MiR-181b suppresses the progression of epilepsy by regulation of lncRNA ZNF883. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 2769-2780.	0.0	3
69	Dugongs under threat. <i>Science</i> , 2019, 365, 552-552.	12.6	7
70	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.	20.2	126
71	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.	2.4	13
72	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.	20.2	485

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73	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.	4.3	48
74	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.	12.4	131
75	Sulfur doped carbon quantum dots loaded hollow tubular g-C ₃ N ₄ as novel photocatalyst for destruction of <i>Escherichia coli</i> and tetracycline degradation under visible light. <i>Chemical Engineering Journal</i> , 2019, 378, 122132.	12.7	320
76	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. <i>Journal of Hazardous Materials</i> , 2019, 380, 120864.	12.4	110
77	Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22848-22870.	10.3	106
78	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.	4.3	34
79	Adsorption behavior of engineered carbons and carbon nanomaterials for metal endocrine disruptors: Experiments and theoretical calculation. <i>Chemosphere</i> , 2019, 222, 184-194.	8.2	157
80	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.	12.7	181
81	Biochar for environmental management: Mitigating greenhouse gas emissions, contaminant treatment, and potential negative impacts. <i>Chemical Engineering Journal</i> , 2019, 373, 902-922.	12.7	256
82	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.	5.3	9
83	Protective mechanism of Taxifolin for chlorpyrifos neurotoxicity in BV2 cells. <i>NeuroToxicology</i> , 2019, 74, 74-80.	3.0	16
84	An overview on nitride and nitrogen-doped photocatalysts for energy and environmental applications. <i>Composites Part B: Engineering</i> , 2019, 172, 704-723.	12.0	61
85	Metal or metal-containing nanoparticle@MOF nanocomposites as a promising type of photocatalyst. <i>Coordination Chemistry Reviews</i> , 2019, 388, 63-78.	18.8	235
86	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
87	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.	9.0	47
88	Recent advances in biochar-based catalysts: Properties, applications and mechanisms for pollution remediation. <i>Chemical Engineering Journal</i> , 2019, 371, 380-403.	12.7	191
89	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.	12.7	143
90	Immobilized laccase on bentonite-derived mesoporous materials for removal of tetracycline. <i>Chemosphere</i> , 2019, 222, 865-871.	8.2	121

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91	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
92	Application of silver phosphate-based photocatalysts: Barriers and solutions. <i>Chemical Engineering Journal</i> , 2019, 366, 339-357.	12.7	96
93	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.	1.8	6
94	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
95	Colorimetric determination of mercury(II) using gold nanoparticles and double ligand exchange. <i>Mikrochimica Acta</i> , 2019, 186, 31.	5.0	38
96	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.	6.2	285
97	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.	6.1	134
98	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.	2.6	23
99	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.	20.2	543
100	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.	12.7	184
101	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.	12.7	195
102	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.	5.3	7
103	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
104	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.	5.5	22
105	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
106	Remediation of contaminated soils by enhanced nanoscale zero valent iron. <i>Environmental Research</i> , 2018, 163, 217-227.	7.5	181
107	Mechanisms for rhamnolipids-mediated biodegradation of hydrophobic organic compounds. <i>Science of the Total Environment</i> , 2018, 634, 1-11.	8.0	75
108	Rational Design of Carbon-Doped Carbon Nitride/Bi ₂ O ₃ /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

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109	Investigating the adsorption behavior and the relative distribution of Cd ²⁺ sorption mechanisms on biochars by different feedstock. <i>Bioresource Technology</i> , 2018, 261, 265-271.	9.6	278
110	“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
111	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
112	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.	8.0	418
113	In Situ Grown AgI/Bi ₂ O ₃ /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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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.	20.2	288
122	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
123	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.	3.4	30
124	Electrochemical Aptasensor Based on Sulfur “Nitrogen Codoped Ordered Mesoporous Carbon and Thymine-Hg ²⁺ ” Thymine Mismatch Structure for Hg ²⁺ Detection. <i>ACS Sensors</i> , 2018, 3, 2566-2573.	7.8	137
125	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
126	Recent advances in sensors for tetracycline antibiotics and their applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 109, 260-274.	11.4	190

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127	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.	4.2	9
128	Strategies to improve metal organic frameworks photocatalyst's performance for degradation of organic pollutants. <i>Coordination Chemistry Reviews</i> , 2018, 376, 449-466.	18.8	139
129	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.	12.7	538
130	Facile Hydrothermal Synthesis of Z-Scheme 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
131	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	132
132	Successful treatment of reflex epilepsy with praxis induction by stimulus avoidance only. <i>Epilepsy and Behavior</i> , 2018, 86, 163-165.	1.7	0
133	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
134	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
135	Semiconductor/boron nitride composites: Synthesis, properties, and photocatalysis applications. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 6-18.	20.2	289
136	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.	8.2	241
137	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
138	Metal-organic frameworks for highly efficient heterogeneous Fenton-like catalysis. <i>Coordination Chemistry Reviews</i> , 2018, 368, 80-92.	18.8	401
139	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.	12.7	13
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