Guangming Zeng

List of Publications by Year
in descending order

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1,210	132,368	45	402
papers	citations	186 h-index	278 g-index

1212	1212	1212	67696
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of biochar for the removal of pollutants from aqueous solutions. Chemosphere, 2015, 125, 70-85.	8.2	1,324
2	Doping of graphitic carbon nitride for photocatalysis: A review. Applied Catalysis B: Environmental, 2017, 217, 388-406.	20.2	1,194
3	An overview on limitations of TiO2-based particles for photocatalytic degradation of organic pollutants and the corresponding countermeasures. Water Research, 2015, 79, 128-146.	11.3	1,046
4	Removal of cationic dyes from aqueous solution using magnetic multi-wall carbon nanotube nanocomposite as adsorbent. Journal of Hazardous Materials, 2009, 164, 1517-1522.	12.4	928
5	Hydroxyl radicals based advanced oxidation processes (AOPs) for remediation of soils contaminated with organic compounds: A review. Chemical Engineering Journal, 2016, 284, 582-598.	12.7	919
6	A review of the hydrothermal carbonization of biomass waste for hydrochar formation: Process conditions, fundamentals, and physicochemical properties. Renewable and Sustainable Energy Reviews, 2018, 90, 223-247.	16.4	803
7	Hierarchical assembly of graphene-bridged Ag3PO4/Ag/BiVO4 (040) Z-scheme photocatalyst: An efficient, sustainable and heterogeneous catalyst with enhanced visible-light photoactivity towards tetracycline degradation under visible light irradiation. Applied Catalysis B: Environmental, 2017, 200, 330-342.	20.2	752
8	Adsorption of chromium (VI) by ethylenediamine-modified cross-linked magnetic chitosan resin: Isotherms, kinetics and thermodynamics. Journal of Hazardous Materials, 2011, 185, 306-314.	12.4	730
9	Bioremediation of soils contaminated with polycyclic aromatic hydrocarbons, petroleum, pesticides, chlorophenols and heavy metals by composting: Applications, microbes and future research needs. Biotechnology Advances, 2015, 33, 745-755.	11.7	706
10	Biochar-based nano-composites for the decontamination of wastewater: A review. Bioresource Technology, 2016, 212, 318-333.	9.6	654
11	Covalent organic framework photocatalysts: structures and applications. Chemical Society Reviews, 2020, 49, 4135-4165.	38.1	649
12	Facile synthesis of amino-functionalized titanium metal-organic frameworks and their superior visible-light photocatalytic activity for Cr(VI) reduction. Journal of Hazardous Materials, 2015, 286, 187-194.	12.4	634
13	Biochar to improve soil fertility. A review. Agronomy for Sustainable Development, 2016, 36, 1.	5.3	633
14	Recent advances in covalent organic frameworks (COFs) as a smart sensing material. Chemical Society Reviews, 2019, 48, 5266-5302.	38.1	630
15	Enhanced activation process of persulfate by mesoporous carbon for degradation of aqueous organic pollutants: Electron transfer mechanism. Applied Catalysis B: Environmental, 2018, 231, 1-10.	20.2	614
16	Impact of humic/fulvic acid on the removal of heavy metals from aqueous solutions using nanomaterials: A review. Science of the Total Environment, 2014, 468-469, 1014-1027.	8.0	605
17	Synthesis and applications of novel graphitic carbon nitride/metal-organic frameworks mesoporous photocatalyst for dyes removal. Applied Catalysis B: Environmental, 2015, 174-175, 445-454.	20.2	594
18	Chlorinated volatile organic compounds (Cl-VOCs) in environment â€" sources, potential human health impacts, and current remediation technologies. Environment International, 2014, 71, 118-138.	10.0	586

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19	Simultaneous removal of Cd(II) and ionic dyes from aqueous solution using magnetic graphene oxide nanocomposite as an adsorbent. Chemical Engineering Journal, 2013, 226, 189-200.	12.7	565
20	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. Chemical Society Reviews, 2019, 48, 488-516.	38.1	564
21	Effects of sediment geochemical properties on heavy metal bioavailability. Environment International, 2014, 73, 270-281.	10.0	553
22	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. Journal of Colloid and Interface Science, 2018, 519, 273-284.	9.4	552
23	Boron nitride quantum dots decorated ultrathin porous g-C3N4: Intensified exciton dissociation and charge transfer for promoting visible-light-driven molecular oxygen activation. Applied Catalysis B: Environmental, 2019, 245, 87-99.	20.2	543
24	In situ synthesis of In2S3@MIL-125(Ti) coreâ€“shell microparticle for the removal of tetracycline from wastewater by integrated adsorption and visible-light-driven photocatalysis. Applied Catalysis B: Environmental, 2016, 186, 19-29.	20.2	538
25	Construction of iodine vacancy-rich BiOI/Ag@AgI Z-scheme heterojunction photocatalysts for visible-light-driven tetracycline degradation: Transformation pathways and mechanism insight. Chemical Engineering Journal, 2018, 349, 808-821.	12.7	538
26	Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater. Water Research, 2014, 67, 330-344.	11.3	527
27	Facile assembled biochar-based nanocomposite with improved graphitization for efficient photocatalytic activity driven by visible light. Applied Catalysis B: Environmental, 2019, 250, 78-88.	20.2	516
28	Insight into highly efficient simultaneous photocatalytic removal of Cr(VI) and 2,4-diclorophenol under visible light irradiation by phosphorus doped porous ultrathin g-C3N4 nanosheets from aqueous media: Performance and reaction mechanism. Applied Catalysis B: Environmental, 2017, 203, 343-354.	20.2	513
29	Stabilization of nanoscale zero-valent iron (nZVI) with modified biochar for Cr(VI) removal from aqueous solution. Journal of Hazardous Materials, 2017, 332, 79-86.	12.4	497
30	In-situ synthesis of direct solid-state dual Z-scheme WO3/g-C3N4/Bi2O3 photocatalyst for the degradation of refractory pollutant. Applied Catalysis B: Environmental, 2018, 227, 376-385.	20.2	495
31	Biochar as potential sustainable precursors for activated carbon production: Multiple applications in environmental protection and energy storage. Bioresource Technology, 2017, 227, 359-372.	9.6	487
32	Ti3C2 Mxene/porous g-C3N4 interfacial Schottky junction for boosting spatial charge separation in photocatalytic H2O2 production. Applied Catalysis B: Environmental, 2019, 258, 117956.	20.2	485
33	Highly porous carbon nitride by supramolecular preassembly of monomers for photocatalytic removal of sulfamethazine under visible light driven. Applied Catalysis B: Environmental, 2018, 220, 202-210.	20.2	478
34	Sustainable efficient adsorbent: Alkali-acid modified magnetic biochar derived from sewage sludge for aqueous organic contaminant removal. Chemical Engineering Journal, 2018, 336, 160-169.	12.7	449
35	Nitrogen-doped biochar fiber with graphitization from Boehmeria nivea for promoted peroxymonosulfate activation and non-radical degradation pathways with enhancing electron transfer. Applied Catalysis B: Environmental, 2020, 269, 118850.	20.2	449
36	Metal-free efficient photocatalyst for stable visible-light photocatalytic degradation of refractory pollutant. Applied Catalysis B: Environmental, 2018, 221, 715-725.	20.2	438

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37	Clayâ€Inspired MXeneâ€Based Electrochemical Devices and Photoâ€Electrocatalyst: Stateâ€ofâ€theâ€Art Progresses and Challenges. Advanced Materials, 2018, 30, e1704561.	21.0	431
38	Biological technologies for the remediation of co-contaminated soil. Critical Reviews in Biotechnology, 2017, 37, 1062-1076.	9.0	423
39	BiOX (Xâ€¯=â€¯Cl, Br, I) photocatalytic nanomaterials: Applications for fuels and environmental management. Advances in Colloid and Interface Science, 2018, 254, 76-93.	14.7	422
40	Adsorption characteristics and behaviors of graphene oxide for Zn(II) removal from aqueous solution. Applied Surface Science, 2013, 279, 432-440.	6.1	418
41	Adsorption of tetracycline antibiotics from aqueous solutions on nanocomposite multi-walled carbon nanotube functionalized MIL-53(Fe) as new adsorbent. Science of the Total Environment, 2018, 627, 235-244.	8.0	418
42	Adsorption of Cd (II) and Zn (II) from aqueous solutions using magnetic hydroxyapatite nanoparticles as adsorbents. Chemical Engineering Journal, 2010, 162, 487-494.	12.7	416
43	Spatial distribution and source identification of heavy metals in surface soils in a typical coal mine city, Lianyuan, China. Environmental Pollution, 2017, 225, 681-690.	7.5	416
44	Recent advances in toxicological research of nanoplastics in the environment: A review. Environmental Pollution, 2019, 252, 511-521.	7.5	416
45	Quaternary ammonium compounds (QACs): A review on occurrence, fate and toxicity in the environment. Science of the Total Environment, 2015, 518-519, 352-362.	8.0	410
46	Enhanced Photocatalytic Degradation of Tetracycline by AgI/BiVO₄ Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. ACS Applied Materials & Interfaces, 2016, 8, 32887-32900.	8.0	407
47	Biosorption of cadmium(II), zinc(II) and lead(II) by Penicillium simplicissimum: Isotherms, kinetics and thermodynamics. Journal of Hazardous Materials, 2008, 160, 655-661.	12.4	406
48	Photocatalytic degradation of ciprofloxacin by a novel Z-scheme CeO2â€“Ag/AgBr photocatalyst: Influencing factors, possible degradation pathways, and mechanism insight. Journal of Catalysis, 2018, 358, 141-154.	6.2	406
49	Sorption, transport and biodegradation â€“ An insight into bioavailability of persistent organic pollutants in soil. Science of the Total Environment, 2018, 610-611, 1154-1163.	8.0	402
50	Metal-organic frameworks for highly efficient heterogeneous Fenton-like catalysis. Coordination Chemistry Reviews, 2018, 368, 80-92.	18.8	401
51	Fabrication of CuS/BiVO4 (0â€¯4â€¯0) binary heterojunction photocatalysts with enhanced photocatalytic activity for Ciprofloxacin degradation and mechanism insight. Chemical Engineering Journal, 2019, 358, 891-902.	12.7	401
52	Facile Hydrothermal Synthesis of Z-Scheme Bi₂Fe₄O₉/Bi₂WO₆ Heterojunction Photocatalyst with Enhanced Visible Light Photocatalytic Activity. ACS Applied Materials & Interfaces, 2018, 10, 18824-18836.	8.0	397
53	Atomic scale g-C3N4/Bi2WO6 2D/2D heterojunction with enhanced photocatalytic degradation of ibuprofen under visible light irradiation. Applied Catalysis B: Environmental, 2017, 209, 285-294.	20.2	390
54	A novel Ag2O/CeO2 heterojunction photocatalysts for photocatalytic degradation of enrofloxacin: possible degradation pathways, mineralization activity and an in depth mechanism insight. Applied Catalysis B: Environmental, 2018, 221, 701-714.	20.2	389

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55	Bioremediation mechanisms of combined pollution of PAHs and heavy metals by bacteria and fungi: A mini review. Bioresource Technology, 2017, 224, 25-33.	9.6	388
56	Selective prepared carbon nanomaterials for advanced photocatalytic application in environmental pollutant treatment and hydrogen production. Applied Catalysis B: Environmental, 2018, 239, 408-424.	20.2	386
57	Facile synthesis of polypyrrole decorated reduced graphene oxideâ€“Fe3O4 magnetic composites and its application for the Cr(VI) removal. Chemical Engineering Journal, 2015, 262, 597-606.	12.7	381
58	Evaluation methods for assessing effectiveness of in situ remediation of soil and sediment contaminated with organic pollutants and heavy metals. Environment International, 2017, 105, 43-55.	10.0	379
59	Magnetic nitrogen-doped sludge-derived biochar catalysts for persulfate activation: Internal electron transfer mechanism. Chemical Engineering Journal, 2019, 364, 146-159.	12.7	375
60	Amorphous MnO₂ Modified Biochar Derived from Aerobically Composted Swine Manure for Adsorption of Pb(II) and Cd(II). ACS Sustainable Chemistry and Engineering, 2017, 5, 5049-5058.	6.7	372
61	(Micro)plastic crisis: Un-ignorable contribution to global greenhouse gas emissions and climate change. Journal of Cleaner Production, 2020, 254, 120138.	9.3	357
62	Exploiting extracellular polymeric substances (EPS) controlling strategies for performance enhancement of biological wastewater treatments: An overview. Chemosphere, 2017, 180, 396-411.	8.2	349
63	Heterogeneous activation of peroxymonosulfate by Fe-Co layered doubled hydroxide for efficient catalytic degradation of Rhoadmine B. Chemical Engineering Journal, 2017, 321, 222-232.	12.7	344
64	Novel ternary heterojunction photcocatalyst of Ag nanoparticles and g-C3N4 nanosheets co-modified BiVO4 for wider spectrum visible-light photocatalytic degradation of refractory pollutant. Applied Catalysis B: Environmental, 2017, 205, 133-147.	20.2	343
65	The effects of activated biochar addition on remediation efficiency of co-composting with contaminated wetland soil. Resources, Conservation and Recycling, 2019, 140, 278-285.	10.8	343
66	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
67	Competitive adsorption of Pb(II), Cd(II) and Cu(II) onto chitosan-pyromellitic dianhydride modified biochar. Journal of Colloid and Interface Science, 2017, 506, 355-364.	9.4	342
68	Synergistic effect of artificial enzyme and 2D nano-structured Bi2WO6 for eco-friendly and efficient biomimetic photocatalysis. Applied Catalysis B: Environmental, 2019, 250, 52-62.	20.2	340
69	Phosphorus- and Sulfur-Codoped g-C₃N₄: Facile Preparation, Mechanism Insight, and Application as Efficient Photocatalyst for Tetracycline and Methyl Orange Degradation under Visible Light Irradiation. ACS Sustainable Chemistry and Engineering, 2017, 5, 5831-5841.	6.7	337
70	Co-occurrence and interactions of pollutants, and their impacts on soil remediationâ€”A review. Critical Reviews in Environmental Science and Technology, 2017, 47, 1528-1553.	12.8	335
71	Degradation of naphthalene with magnetic bio-char activate hydrogen peroxide: Synergism of bio-char and Feâ€“Mn binary oxides. Water Research, 2019, 160, 238-248.	11.3	335
72	Precipitation, adsorption and rhizosphere effect: The mechanisms for Phosphate-induced Pb immobilization in soilsâ€”A review. Journal of Hazardous Materials, 2017, 339, 354-367.	12.4	327

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73	Efficacy of carbonaceous nanocomposites for sorbing ionizable antibiotic sulfamethazine from aqueous solution. Water Research, 2016, 95, 103-112.	11.3	326
74	Bioremediation of heavy metals by growing hyperaccumulaor endophytic bacterium Bacillus sp. L14. Bioresource Technology, 2010, 101, 8599-8605.	9.6	320
75	Challenges and solutions for biofiltration of hydrophobic volatile organic compounds. Biotechnology Advances, 2016, 34, 1091-1102.	11.7	320
76	Sulfur doped carbon quantum dots loaded hollow tubular g-C3N4 as novel photocatalyst for destruction of Escherichia coli and tetracycline degradation under visible light. Chemical Engineering Journal, 2019, 378, 122132.	12.7	320
77	Megamerger in photocatalytic field: 2D g-C3N4 nanosheets serve as support of 0D nanomaterials for improving photocatalytic performance. Applied Catalysis B: Environmental, 2019, 240, 153-173.	20.2	310
78	Microplastics and associated contaminants in the aquatic environment: A review on their ecotoxicological effects, trophic transfer, and potential impacts to human health. Journal of Hazardous Materials, 2021, 405, 124187.	12.4	308
79	Graphene-based materials: Fabrication, characterization and application for the decontamination of wastewater and wastegas and hydrogen storage/generation. Advances in Colloid and Interface Science, 2013, 195-196, 19-40.	14.7	306
80	Production of char from sewage sludge employing hydrothermal carbonization: Char properties, combustion behavior and thermal characteristics. Fuel, 2016, 176, 110-118.	6.4	306
81	1D porous tubular g-C3N4 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
82	The interactions of composting and biochar and their implications for soil amendment and pollution remediation: a review. Critical Reviews in Biotechnology, 2017, 37, 754-764.	9.0	303
83	The application of different typological and structural MOFs-based materials for the dyes adsorption. Coordination Chemistry Reviews, 2019, 380, 471-483.	18.8	302
84	Are biodegradable plastics a promising solution to solve the global plastic pollution?. Environmental Pollution, 2020, 263, 114469.	7.5	300
85	Changes in heavy metal mobility and availability from contaminated wetland soil remediated with combined biochar-compost. Chemosphere, 2017, 181, 281-288.	8.2	298
86	Various cell architectures of capacitive deionization: Recent advances and future trends. Water Research, 2019, 150, 225-251.	11.3	298
87	Formation of quasi-core-shell In2S3/anatase TiO2@metallic Ti3C2Tx hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. Applied Catalysis B: Environmental, 2018, 233, 213-225.	20.2	297
88	Effectiveness and mechanisms of phosphate adsorption on iron-modified biochars derived from waste activated sludge. Bioresource Technology, 2018, 247, 537-544.	9.6	297
89	PEI-grafted magnetic porous powder for highly effective adsorption of heavy metal ions. Desalination, 2011, 281, 278-284.	8.2	292
90	Removal of phosphate from aqueous solution by magnetic Feâ€“Zr binary oxide. Chemical Engineering Journal, 2011, 171, 448-455.	12.7	290

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91	Plasmonic Bi Metal Deposition and g-C₃N₄ Coating on Bi₂WO₆ Microspheres for Efficient Visible-Light Photocatalysis. ACS Sustainable Chemistry and Engineering, 2017, 5, 1062-1072.	6.7	289
92	Semiconductor/boron nitride composites: Synthesis, properties, and photocatalysis applications. Applied Catalysis B: Environmental, 2018, 238, 6-18.	20.2	289
93	0D/2D interface engineering of carbon quantum dots modified Bi2WO6 ultrathin nanosheets with enhanced photoactivity for full spectrum light utilization and mechanism insight. Applied Catalysis B: Environmental, 2018, 222, 115-123.	20.2	288
94	Research on the sustainable efficacy of g-MoS2 decorated biochar nanocomposites for removing tetracycline hydrochloride from antibiotic-polluted aqueous solution. Science of the Total Environment, 2019, 648, 206-217.	8.0	287
95	Fabrication of novel magnetic MnFe2O4/bio-char composite and heterogeneous photo-Fenton degradation of tetracycline in near neutral pH. Chemosphere, 2019, 224, 910-921.	8.2	287
96	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. Bioresource Technology, 2016, 218, 351-359.	9.6	286
97	Three-dimensional graphene supported catalysts for organic dyes degradation. Applied Catalysis B: Environmental, 2018, 228, 19-28.	20.2	286
98	Rational design 2D/2D BiOBr/CDs/g-C3N4 Z-scheme heterojunction photocatalyst with carbon dots as solid-state electron mediators for enhanced visible and NIR photocatalytic activity: Kinetics, intermediates, and mechanism insight. Journal of Catalysis, 2019, 369, 469-481.	6.2	285
99	Combination of Fenton processes and biotreatment for wastewater treatment and soil remediation. Science of the Total Environment, 2017, 574, 1599-1610.	8.0	282
100	Hierarchical porous biochar from shrimp shell for persulfate activation: A two-electron transfer path and key impact factors. Applied Catalysis B: Environmental, 2020, 260, 118160.	20.2	282
101	Investigating the adsorption behavior and the relative distribution of Cd2+ sorption mechanisms on biochars by different feedstock. Bioresource Technology, 2018, 261, 265-271.	9.6	278
102	Simultaneous adsorption of atrazine and Cu (II) from wastewater by magnetic multi-walled carbon nanotube. Chemical Engineering Journal, 2012, 211-212, 470-478.	12.7	272
103	A hydroquinone biosensor using modified coreâ€“shell magnetic nanoparticles supported on carbon paste electrode. Biosensors and Bioelectronics, 2007, 22, 2121-2126.	10.1	271
104	Subcellular distribution and chemical forms of cadmium in Bechmeria nivea (L.) Gaud.. Environmental and Experimental Botany, 2008, 62, 389-395.	4.2	269
105	The effects of rice straw biochar on indigenous microbial community and enzymes activity in heavy metal-contaminated sediment. Chemosphere, 2017, 174, 545-553.	8.2	267
106	Adsorption of phosphate from aqueous solution using iron-zirconium modified activated carbon nanofiber: Performance and mechanism. Journal of Colloid and Interface Science, 2017, 493, 17-23.	9.4	267
107	Graphitic Carbon Nitride-Based Heterojunction Photoactive Nanocomposites: Applications and Mechanism Insight. ACS Applied Materials & Interfaces, 2018, 10, 21035-21055.	8.0	266
108	Degradation of Lead-Contaminated Lignocellulosic Waste by Phanerochaete chrysosporium and the Reduction of Lead Toxicity. Environmental Science & Technology, 2008, 42, 4946-4951.	10.0	265

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109	Artificial Z-scheme photocatalytic system: What have been done and where to go?. Coordination Chemistry Reviews, 2019, 385, 44-80.	18.8	265
110	Seed germination test for toxicity evaluation of compost: Its roles, problems and prospects. Waste Management, 2018, 71, 109-114.	7.4	264
111	Molecular engineering of polymeric carbon nitride for highly efficient photocatalytic oxytetracycline degradation and H2O2 production. Applied Catalysis B: Environmental, 2020, 272, 118970.	20.2	263
112	A GIS-Based Spatial Multi-Criteria Approach for Flood Risk Assessment in the Dongting Lake Region, Hunan, Central China. Water Resources Management, 2011, 25, 3465-3484.	3.9	262
113	â€œGold rushâ€•in modern science: Fabrication strategies and typical advanced applications of gold nanoparticles in sensing. Coordination Chemistry Reviews, 2018, 359, 1-31.	18.8	261
114	Removal of 17Î²-estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. Chemical Engineering Journal, 2016, 284, 93-102.	12.7	258
115	Biochar for environmental management: Mitigating greenhouse gas emissions, contaminant treatment, and potential negative impacts. Chemical Engineering Journal, 2019, 373, 902-922.	12.7	256
116	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. Chemosphere, 2019, 226, 360-380.	8.2	254
117	A novel double Z-scheme photocatalyst Ag3PO4/Bi2S3/Bi2O3 with enhanced visible-light photocatalytic performance for antibiotic degradation. Chemical Engineering Journal, 2019, 368, 730-745.	12.7	254
118	Iron Containing Metalâ€“Organic Frameworks: Structure, Synthesis, and Applications in Environmental Remediation. ACS Applied Materials & Interfaces, 2017, 9, 20255-20275.	8.0	250
119	Metal-free carbon materials for persulfate-based advanced oxidation process: Microstructure, property and tailoring. Progress in Materials Science, 2020, 111, 100654.	32.8	250
120	In Situ Grown AgI/Bi₁₂O₁₇Cl₂ Heterojunction Photocatalysts for Visible Light Degradation of Sulfamethazine: Efficiency, Pathway, and Mechanism. ACS Sustainable Chemistry and Engineering, 2018, 6, 4174-4184.	6.7	249
121	Stabilized Nanoscale Zerovalent Iron Mediated Cadmium Accumulation and Oxidative Damage of Boehmeria nivea (L.) Gaudich Cultivated in Cadmium Contaminated Sediments. Environmental Science & Technology, 2017, 51, 11308-11316.	10.0	248
122	Nanoscale zero-valent iron coated with rhamnolipid as an effective stabilizer for immobilization of Cd and Pb in river sediments. Journal of Hazardous Materials, 2018, 341, 381-389.	12.4	248
123	Effects of heavy metals and soil physicochemical properties on wetland soil microbial biomass and bacterial community structure. Science of the Total Environment, 2016, 557-558, 785-790.	8.0	247
124	Electrocoagulation treatment of arsenic in wastewaters: A comprehensive review. Chemical Engineering Journal, 2017, 317, 707-725.	12.7	245
125	Effect of Cu(II) ions on the enhancement of tetracycline adsorption by Fe3O4@SiO2-Chitosan/graphene oxide nanocomposite. Carbohydrate Polymers, 2017, 157, 576-585.	10.2	245
126	Black Phosphorus, a Rising Star 2D Nanomaterial in the Postâ€Graphene Era: Synthesis, Properties, Modifications, and Photocatalysis Applications. Small, 2019, 15, e1804565.	10.0	244

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127	Three dimensional graphene based materials: Synthesis and applications from energy storage and conversion to electrochemical sensor and environmental remediation. Advances in Colloid and Interface Science, 2015, 221, 41-59.	14.7	242
128	Synthesis of surface molecular imprinted TiO2/graphene photocatalyst and its highly efficient photocatalytic degradation of target pollutant under visible light irradiation. Applied Surface Science, 2016, 390, 368-376.	6.1	242
129	Immobilization of Cd in river sediments by sodium alginate modified nanoscale zero-valent iron: Impact on enzyme activities and microbial community diversity. Water Research, 2016, 106, 15-25.	11.3	241
130	Multi-walled carbon nanotube/amino-functionalized MIL-53(Fe) composites: Remarkable adsorptive removal of antibiotics from aqueous solutions. Chemosphere, 2018, 210, 1061-1069.	8.2	241
131	Immobilization of laccase on magnetic bimodal mesoporous carbon and the application in the removal of phenolic compounds. Bioresource Technology, 2012, 115, 21-26.	9.6	240
132	Facile construction of hierarchical flower-like Z-scheme AgBr/Bi2WO6 photocatalysts for effective removal of tetracycline: Degradation pathways and mechanism. Chemical Engineering Journal, 2019, 375, 121991.	12.7	237
133	Facile synthesis of Sb2S3/ultrathin g-C3N4 sheets heterostructures embedded with g-C3N4 quantum dots with enhanced NIR-light photocatalytic performance. Applied Catalysis B: Environmental, 2016, 193, 36-46.	20.2	235
134	Metal or metal-containing nanoparticle@MOF nanocomposites as a promising type of photocatalyst. Coordination Chemistry Reviews, 2019, 388, 63-78.	18.8	235
135	In Situ Grown Singleâ€Atom Cobalt on Polymeric Carbon Nitride with Bidentate Ligand for Efficient Photocatalytic Degradation of Refractory Antibiotics. Small, 2020, 16, e2001634.	10.0	235
136	Biomass accumulation and control strategies in gas biofiltration. Biotechnology Advances, 2010, 28, 531-540.	11.7	234
137	Amidoxime-based materials for uranium recovery and removal. Journal of Materials Chemistry A, 2020, 8, 7588-7625.	10.3	234
138	Application of QD-MOF composites for photocatalysis: Energy production and environmental remediation. Coordination Chemistry Reviews, 2020, 403, 213097.	18.8	233
139	Risks of Neonicotinoid Pesticides. Science, 2013, 340, 1403-1403.	12.6	230
140	Progress and prospect of adsorptive removal of heavy metal ions from aqueous solution using metalâ€“organic frameworks: A review of studies from the last decade. Chemosphere, 2018, 201, 627-643.	8.2	230
141	Electrical promotion of spatially photoinduced charge separation via interfacial-built-in quasi-alloying effect in hierarchical Zn2In2S5/Ti3C2(O, OH)x hybrids toward efficient photocatalytic hydrogen evolution and environmental remediation. Applied Catalysis B: Environmental, 2019, 245, 290-301.	20.2	229
142	Construction of plasmonic Ag modified phosphorous-doped ultrathin g-C3N4 nanosheets/BiVO4 photocatalyst with enhanced visible-near-infrared response ability for ciprofloxacin degradation. Journal of Hazardous Materials, 2018, 344, 758-769.	12.4	227
143	Enhanced photocatalytic activity of ternary Ag/g-C3N4/NaTaO3 photocatalysts under wide spectrum light radiation: The high potential band protection mechanism. Applied Catalysis B: Environmental, 2018, 230, 102-114.	20.2	225
144	Rapid Detection of Picloram in Agricultural Field Samples Using a Disposable Immunomembrane-Based Electrochemical Sensor. Environmental Science & Technology, 2008, 42, 1207-1212.	10.0	223

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145	Effect of porous zincâ€“biochar nanocomposites on Cr(<scp>vi</scp>) adsorption from aqueous solution. RSC Advances, 2015, 5, 35107-35115.	3.6	223
146	Advantages and challenges of Tween 80 surfactant-enhanced technologies for the remediation of soils contaminated with hydrophobic organic compounds. Chemical Engineering Journal, 2017, 314, 98-113.	12.7	223
147	Cross-linking to prepare composite graphene oxide-framework membranes with high-flux for dyes and heavy metal ions removal. Chemical Engineering Journal, 2017, 322, 657-666.	12.7	223
148	Fabrication of SnO₂ Nanopaticles/BiOI nâ€“p Heterostructure for Wider Spectrum Visible-Light Photocatalytic Degradation of Antibiotic Oxytetracycline Hydrochloride. ACS Sustainable Chemistry and Engineering, 2017, 5, 5134-5147.	6.7	223
149	Effects of physico-chemical parameters on the bacterial and fungal communities during agricultural waste composting. Bioresource Technology, 2011, 102, 2950-2956.	9.6	221
150	Effective removal of Cr(<scp>vi</scp>) using Î²-cyclodextrinâ€“chitosan modified biochars with adsorption/reduction bifuctional roles. RSC Advances, 2016, 6, 94-104.	3.6	221
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