

Guangming Zeng

List of Publications by Year in descending order

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Version: 2024-02-01

1,210
papers

132,368
citations

45

186
h-index

402

278
g-index

1212
all docs

1212
docs citations

1212
times ranked

67696
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilm on microplastics in aqueous environment: Physicochemical properties and environmental implications. <i>Journal of Hazardous Materials</i> , 2022, 424, 127286.	12.4	124
2	Recent progress of noble metals with tailored features in catalytic oxidation for organic pollutants degradation. <i>Journal of Hazardous Materials</i> , 2022, 422, 126950.	12.4	49
3	The presence of cationic polyacrylamide attenuated the toxicity of polyvinyl chloride microplastics to anaerobic digestion of waste activated sludge. <i>Chemical Engineering Journal</i> , 2022, 427, 131442.	12.7	10
4	A critical review of biochar-based materials for the remediation of heavy metal contaminated environment: Applications and practical evaluations. <i>Science of the Total Environment</i> , 2022, 806, 150531.	8.0	39
5	Metal-organic framework-derived CuCo/carbon as an efficient magnetic heterogeneous catalyst for persulfate activation and ciprofloxacin degradation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127196.	12.4	85
6	Activation of persulfate by swine bone derived biochar: Insight into the specific role of different active sites and the toxicity of acetaminophen degradation pathways. <i>Science of the Total Environment</i> , 2022, 807, 151059.	8.0	25
7	Efficient antibiotics removal via the synergistic effect of manganese ferrite and MoS ₂ . <i>Chemosphere</i> , 2022, 288, 132494.	8.2	11
8	Environmentally persistent free radicals in bismuth-based metal-organic layers derivatives: Photodegradation of pollutants and mechanism unravelling. <i>Chemical Engineering Journal</i> , 2022, 430, 133026.	12.7	23
9	Self-assembly hybridization of COFs and g-C ₃ N ₄ : Decipher the charge transfer channel for enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1051-1063.	9.4	32
10	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
11	Analysis of South American climate and teleconnection indices. <i>Journal of Contaminant Hydrology</i> , 2022, 244, 103915.	3.3	2
12	Integrating the Z-scheme heterojunction and hot electrons injection into a plasmonic-based Zn ₂ In ₂ S ₅ /W ₁₈ O ₄₉ composite induced improved molecular oxygen activation for photocatalytic degradation and antibacterial performance. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 953-969.	9.4	59
13	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
14	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
15	Effects of oxytetracycline and zinc ion on nutrient removal and biomass production via microalgal culturing in anaerobic digester effluent. <i>Bioresource Technology</i> , 2022, 346, 126667.	9.6	19
16	Lignocellulosic biomass carbonization for biochar production and characterization of biochar reactivity. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112056.	16.4	71
17	H ₂ O ₂ -free photo-Fenton system for antibiotics degradation in water via the synergism of oxygen-enriched graphitic carbon nitride polymer and nano manganese ferrite. <i>Environmental Science: Nano</i> , 2022, 9, 815-826.	4.3	19
18	Impacts of typical engineering nanomaterials on the response of rhizobacteria communities and rice (<i>Oryza sativa</i> L.) growths in waterlogged antimony-contaminated soils. <i>Journal of Hazardous Materials</i> , 2022, 430, 128385.	12.4	13

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19	Pyrite-mediated advanced oxidation processes: Applications, mechanisms, and enhancing strategies. <i>Water Research</i> , 2022, 211, 118048.	11.3	53
20	Investigation on the structure-performance of phthalic acid carboxyl position and carbon nitride towards efficient photocatalytic degradation of organic pollutants. <i>Separation and Purification Technology</i> , 2022, 286, 120464.	7.9	41
21	Recent advances in impacts of microplastics on nitrogen cycling in the environment: A review. <i>Science of the Total Environment</i> , 2022, 815, 152740.	8.0	70
22	Removal of chloride from water and wastewater: Removal mechanisms and recent trends. <i>Science of the Total Environment</i> , 2022, 821, 153174.	8.0	54
23	When chicken manure compost meets iron nanoparticles: an implication for the remediation of chlorophenothane-polluted riverine sediment. <i>Environmental Science: Nano</i> , 2022, 9, 1519-1529.	4.3	0
24	Core-shell structured nanoparticles for photodynamic therapy-based cancer treatment and related imaging. <i>Coordination Chemistry Reviews</i> , 2022, 458, 214427.	18.8	30
25	Versatile CMPs as platforms to support Ag nanocatalysts for nitrophenol hydrogenation in continuous flow-through process. <i>Chemical Engineering Journal</i> , 2022, 442, 136207.	12.7	20
26	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
27	Construction of dual S-scheme Ag ₂ CO ₃ /Bi ₄ O ₅ I ₂ /g-C ₃ N ₄ heterostructure photocatalyst with enhanced visible-light photocatalytic degradation for tetracycline. <i>Chemical Engineering Journal</i> , 2022, 438, 135471.	12.7	82
28	Enhancing hydrogen peroxide activation of Cu Co layered double hydroxide by compositing with biochar: Performance and mechanism. <i>Science of the Total Environment</i> , 2022, 828, 154188.	8.0	33
29	The role of microplastics in altering arsenic fractionation and microbial community structures in arsenic-contaminated riverine sediments. <i>Journal of Hazardous Materials</i> , 2022, 433, 128801.	12.4	30
30	Metal-organic frameworks as a good platform for the fabrication of multi-metal nanomaterials: design strategies, electrocatalytic applications and prospective. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102668.	14.7	16
31	Recent progress on mixed transition metal nanomaterials based on metal-organic frameworks for energy-related applications. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9788-9820.	10.3	28
32	A potential link between the structure of iron catalysts and Fenton-like performance: from fundamental understanding to engineering design. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12788-12804.	10.3	15
33	Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	97
34	Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	25
35	Biochar-based agricultural soil management: An application-dependent strategy for contributing to carbon neutrality. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 164, 112529.	16.4	39
36	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

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37	Single-Atom Catalysts for Hydrogen Generation: Rational Design, Recent Advances, and Perspectives. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	42
38	Insight into disinfection byproduct formation potential of aged biochar and its effects during chlorination. <i>Journal of Environmental Management</i> , 2022, 317, 115437.	7.8	5
39	Microplastics in landfill and leachate: Occurrence, environmental behavior and removal strategies. <i>Chemosphere</i> , 2022, 305, 135325.	8.2	51
40	Insights into the role of reactive oxygen species in photocatalytic H ₂ O ₂ generation and OTC removal over a novel BN/Zn ₃ In ₂ S ₆ heterojunction. <i>Journal of Hazardous Materials</i> , 2022, 438, 129483.	12.4	39
41	The mechanism and application of bidirectional extracellular electron transport in the field of energy and environment. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1924-1969.	12.8	38
42	Carbon nitride based photocatalysts for solar photocatalytic disinfection, can we go further?. <i>Chemical Engineering Journal</i> , 2021, 404, 126540.	12.7	105
43	Recent advances in application of transition metal phosphides for photocatalytic hydrogen production. <i>Chemical Engineering Journal</i> , 2021, 405, 126547.	12.7	139
44	A study on advanced oxidation mechanism of MnCo ₂ O ₄ /g-C ₃ N ₄ degradation of nitrobenzene: Sacrificial oxidation and radical oxidation. <i>Chemical Engineering Journal</i> , 2021, 403, 126400.	12.7	64
45	A direct Z-scheme oxygen vacant BWO/oxygen-enriched graphitic carbon nitride polymer heterojunction with enhanced photocatalytic activity. <i>Chemical Engineering Journal</i> , 2021, 403, 126363.	12.7	72
46	Surfactant changes lead adsorption behaviors and mechanisms on microplastics. <i>Chemical Engineering Journal</i> , 2021, 405, 126989.	12.7	127
47	Effects of hydroxyl, carboxyl, and amino functionalized carbon nanotubes on the functional diversity of microbial community in riverine sediment. <i>Chemosphere</i> , 2021, 262, 128053.	8.2	15
48	Highly efficient removal of hexavalent chromium from aqueous solution by calcined Mg/Al-layered double hydroxides/polyaniline composites. <i>Chemical Engineering Journal</i> , 2021, 404, 127084.	12.7	78
49	Application of biochar for the remediation of polluted sediments. <i>Journal of Hazardous Materials</i> , 2021, 404, 124052.	12.4	67
50	Microplastics in the coral reefs and their potential impacts on corals: A mini-review. <i>Science of the Total Environment</i> , 2021, 762, 143112.	8.0	95
51	Metal-organic framework-derived nanomaterials in environment related fields: Fundamentals, properties and applications. <i>Coordination Chemistry Reviews</i> , 2021, 429, 213618.	18.8	94
52	Microplastics and associated contaminants in the aquatic environment: A review on their ecotoxicological effects, trophic transfer, and potential impacts to human health. <i>Journal of Hazardous Materials</i> , 2021, 405, 124187.	12.4	308
53	Highly crystalline porous carbon nitride with electron accumulation capacity: Promoting exciton dissociation and charge carrier generation for photocatalytic molecular oxygen activation. <i>Chemical Engineering Journal</i> , 2021, 409, 128030.	12.7	60
54	Waste valorization: Transforming the fishbone biowaste into biochar as an efficient persulfate catalyst for degradation of organic pollutant. <i>Journal of Cleaner Production</i> , 2021, 291, 125225.	9.3	41

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55	Highly efficient activation of peroxydisulfate by Co ₃ O ₄ /Bi ₂ WO ₆ p-n heterojunction composites for the degradation of ciprofloxacin under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 19-30.	9.4	147
56	Improving the Fenton-like catalytic performance of MnO _x -Fe ₃ O ₄ /biochar using reducing agents: A comparative study. <i>Journal of Hazardous Materials</i> , 2021, 406, 124333.	12.4	115
57	Efficient photocatalytic nitrogen fixation to ammonia over bismuth monoxide quantum dots-modified defective ultrathin graphitic carbon nitride. <i>Chemical Engineering Journal</i> , 2021, 406, 126868.	12.7	84
58	Strategies for enhancing the perylene diimide photocatalytic degradation activity: method, effect factor, and mechanism. <i>Environmental Science: Nano</i> , 2021, 8, 602-618.	4.3	39
59	Joint connection of experiment and simulation for photocatalytic hydrogen evolution: strength, weakness, validation and complementarity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6749-6774.	10.3	8
60	Perspectives on palladium-based nanomaterials: green synthesis, ecotoxicity, and risk assessment. <i>Environmental Science: Nano</i> , 2021, 8, 20-36.	4.3	18
61	Incorporating Fe ₃ C into B, N co-doped CNTs: Non-radical-dominated peroxydisulfate catalytic activation mechanism. <i>Chemical Engineering Journal</i> , 2021, 405, 126686.	12.7	94
62	Recent Advance of Transition Metal-Based Layered Double Hydroxide Nanosheets: Synthesis, Properties, Modification, and Electrocatalytic Applications. <i>Advanced Energy Materials</i> , 2021, 11, 2002863.	19.5	137
63	Recent advances in waste water treatment through transition metal sulfides-based advanced oxidation processes. <i>Water Research</i> , 2021, 192, 116850.	11.3	163
64	Presence of microplastics in drinking water from freshwater sources: the investigation in Changsha, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42313-42324.	5.3	61
65	Recent progress in conjugated microporous polymers for clean energy: Synthesis, modification, computer simulations, and applications. <i>Progress in Polymer Science</i> , 2021, 115, 101374.	24.7	117
66	Benzyl butyl phthalate activates prophage, threatening the stable operation of waste activated sludge anaerobic digestion. <i>Science of the Total Environment</i> , 2021, 768, 144470.	8.0	11
67	Synthesis of 2D/2D CoAl-LDHs/Ti ₃ C ₂ T _x Schottky-junction with enhanced interfacial charge transfer and visible-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119867.	20.2	131
68	Recent advance of graphene/semiconductor composite nanocatalysts: Synthesis, mechanism, applications and perspectives. <i>Chemical Engineering Journal</i> , 2021, 414, 128795.	12.7	42
69	Underestimated or overestimated? Dynamic assessment of hourly PM _{2.5} exposure in the metropolitan area based on heatmap and micro-air monitoring stations. <i>Science of the Total Environment</i> , 2021, 779, 146283.	8.0	13
70	Can incineration completely eliminate plastic wastes? An investigation of microplastics and heavy metals in the bottom ash and fly ash from an incineration plant. <i>Science of the Total Environment</i> , 2021, 779, 146528.	8.0	73
71	Materials Institute Lavoisier (MIL) based materials for photocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213874.	18.8	53
72	Bismuth-based metal-organic frameworks and their derivatives: Opportunities and challenges. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213902.	18.8	62

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73	New notion of biochar: A review on the mechanism of biochar applications in advanced oxidation processes. <i>Chemical Engineering Journal</i> , 2021, 416, 129027.	12.7	153
74	A review of biodegradable plastics to biodegradable microplastics: Another ecological threat to soil environments?. <i>Journal of Cleaner Production</i> , 2021, 312, 127816.	9.3	185
75	The arsenic chemical species proportion and viral arsenic biotransformation genes composition affects lysogenic phage treatment under arsenic stress. <i>Science of the Total Environment</i> , 2021, 780, 146628.	8.0	4
76	The approaches and prospects for natural organic matter-derived disinfection byproducts control by carbon-based materials in water disinfection progresses. <i>Journal of Cleaner Production</i> , 2021, 311, 127799.	9.3	26
77	Highly efficient catalytic hydrogenation of nitrophenols by sewage sludge derived biochar. <i>Water Research</i> , 2021, 201, 117360.	11.3	41
78	Photocatalytic water purification with graphitic C ₃ N ₄ -based composites: Enhancement, mechanisms, and performance. <i>Applied Materials Today</i> , 2021, 24, 101118.	4.3	13
79	Interfacial Co-N bond bridged CoB/g-C ₃ N ₄ Schottky junction with modulated charge transfer dynamics for highly efficient photocatalytic <i>Staphylococcus aureus</i> inactivation. <i>Chemical Engineering Journal</i> , 2021, 422, 130029.	12.7	52
80	Smoked cigarette butts: Unignorable source for environmental microplastic fibers. <i>Science of the Total Environment</i> , 2021, 791, 148384.	8.0	40
81	Removal of microplastics from wastewater with aluminosilicate filter media and their surfactant-modified products: Performance, mechanism and utilization. <i>Chemical Engineering Journal</i> , 2021, 421, 129918.	12.7	75
82	Ferrocene modified g-C ₃ N ₄ as a heterogeneous catalyst for photo-assisted activation of persulfate for the degradation of tetracycline. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127024.	4.7	32
83	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
84	Significantly enhanced desalination performance of flow-electrode capacitive deionization via cathodic iodide redox couple and its great potential in treatment of iodide-containing saline wastewater. <i>Chemical Engineering Journal</i> , 2021, 421, 129905.	12.7	32
85	Potential hazards of biochar: The negative environmental impacts of biochar applications. <i>Journal of Hazardous Materials</i> , 2021, 420, 126611.	12.4	118
86	Microplastics retention by reeds in freshwater environment. <i>Science of the Total Environment</i> , 2021, 790, 148200.	8.0	63
87	Neglected microplastics pollution in global COVID-19: Disposable surgical masks. <i>Science of the Total Environment</i> , 2021, 790, 148130.	8.0	168
88	Evaluating the metabolic functional profiles of the microbial community and alfalfa (<i>Medicago</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 sediments. <i>Journal of Hazardous Materials</i> , 2021, 420, 126593.	12.4	7
89	Effects of virgin microplastics on the transport of Cd (II) in Xiangjiang River sediment. <i>Chemosphere</i> , 2021, 283, 131197.	8.2	12
90	State-of-the-art progress in the rational design of layered double hydroxide based photocatalysts for photocatalytic and photoelectrochemical H ₂ /O ₂ production. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214103.	18.8	42

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91	Refined regulation and nitrogen doping of biochar derived from ramie fiber by deep eutectic solvents (DESs) for catalytic persulfate activation toward non-radical organics degradation and disinfection. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 544-555.	9.4	48
92	Thin-film composite polyester nanofiltration membrane with high flux and efficient dye/salts separation fabricated from precise molecular sieving structure of β -cyclodextrin. <i>Separation and Purification Technology</i> , 2021, 276, 119352.	7.9	50
93	Anchoring CuFe ₂ O ₄ nanoparticles into N-doped carbon nanosheets for peroxymonosulfate activation: Built-in electric field dominated radical and non-radical process. <i>Chemical Engineering Journal</i> , 2021, 426, 130850.	12.7	91
94	Constructing a plasma-based Schottky heterojunction for near-infrared-driven photothermal synergistic water disinfection: Synergetic effects and antibacterial mechanisms. <i>Chemical Engineering Journal</i> , 2021, 426, 131902.	12.7	112
95	Porous graphitic carbon nitride nanomaterials for water treatment. <i>Environmental Science: Nano</i> , 2021, 8, 1835-1862.	4.3	16
96	2D/2D Heterojunction systems for the removal of organic pollutants: A review. <i>Advances in Colloid and Interface Science</i> , 2021, 297, 102540.	14.7	51
97	Adsorption of 17 β -estradiol from aqueous solution by raw and direct/pre/post-KOH treated lotus seedpod biochar. <i>Journal of Environmental Sciences</i> , 2020, 87, 10-23.	6.1	69
98	Antimicrobial efficacy and mechanisms of silver nanoparticles against <i>Phanerochaete chrysosporium</i> in the presence of common electrolytes and humic acid. <i>Journal of Hazardous Materials</i> , 2020, 383, 121153.	12.4	19
99	In-situ synthesis of facet-dependent BiVO ₄ /Ag ₃ PO ₄ /PANI photocatalyst with enhanced visible-light-induced photocatalytic degradation performance: Synergism of interfacial coupling and hole-transfer. <i>Chemical Engineering Journal</i> , 2020, 382, 122840.	12.7	174
100	Persulfate activation by swine bone char-derived hierarchical porous carbon: Multiple mechanism system for organic pollutant degradation in aqueous media. <i>Chemical Engineering Journal</i> , 2020, 383, 123091.	12.7	118
101	Recent progress on metal-organic frameworks based- and derived-photocatalysts for water splitting. <i>Chemical Engineering Journal</i> , 2020, 383, 123196.	12.7	148
102	Electrochemically enhanced simultaneous degradation of sulfamethoxazole, ciprofloxacin and amoxicillin from aqueous solution by multi-walled carbon nanotube filter. <i>Separation and Purification Technology</i> , 2020, 235, 116167.	7.9	65
103	A dual transfer strategy for boosting reactive oxygen species generation in ultrathin Z-scheme heterojunction driven by electronic field. <i>Chemical Engineering Journal</i> , 2020, 384, 123236.	12.7	60
104	Efficient degradation of Levofloxacin with magnetically separable ZnFe ₂ O ₄ /NCDs/Ag ₂ CO ₃ Z-scheme heterojunction photocatalyst: Vis-NIR light response ability and mechanism insight. <i>Chemical Engineering Journal</i> , 2020, 383, 123192.	12.7	123
105	Triclosan enhances short-chain fatty acid production from sludge fermentation by elevating transcriptional activity of acidogenesis bacteria. <i>Chemical Engineering Journal</i> , 2020, 384, 123285.	12.7	20
106	Recent developments on AgI based heterojunction photocatalytic systems in photocatalytic application. <i>Chemical Engineering Journal</i> , 2020, 383, 123083.	12.7	147
107	Regeneration and reutilization of cathode materials from spent lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 383, 123089.	12.7	213
108	Hierarchical porous biochar from shrimp shell for persulfate activation: A two-electron transfer path and key impact factors. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118160.	20.2	282

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109	A "bottle-around-ship"-like method synthesized yolk-shell Ag ₃ PO ₄ @MIL-53(Fe) Z-scheme photocatalysts for enhanced tetracycline removal. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 501-511.	9.4	67
110	Recent progress in sustainable technologies for adsorptive and reactive removal of sulfonamides. <i>Chemical Engineering Journal</i> , 2020, 389, 123423.	12.7	122
111	Application of QD-MOF composites for photocatalysis: Energy production and environmental remediation. <i>Coordination Chemistry Reviews</i> , 2020, 403, 213097.	18.8	233
112	Recent development of advanced biotechnology for wastewater treatment. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 99-118.	9.0	35
113	Responses of enzymatic activity and microbial communities to biochar/compost amendment in sulfamethoxazole polluted wetland soil. <i>Journal of Hazardous Materials</i> , 2020, 385, 121533.	12.4	131
114	Aging of zero-valent iron-based nanoparticles in aqueous environment and the consequent effects on their reactivity and toxicity. <i>Water Environment Research</i> , 2020, 92, 646-661.	2.7	37
115	Synergistic removal of copper and tetracycline from aqueous solution by steam-activated bamboo-derived biochar. <i>Journal of Hazardous Materials</i> , 2020, 384, 121470.	12.4	121
116	Photocatalytic degradation of sulfamethazine using a direct Z-Scheme AgI/Bi ₄ V ₂ O ₁₁ photocatalyst: Mineralization activity, degradation pathways and promoted charge separation mechanism. <i>Journal of Hazardous Materials</i> , 2020, 385, 121508.	12.4	206
117	Advances in photocatalysis based on fullerene C ₆₀ and its derivatives: Properties, mechanism, synthesis, and applications. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118579.	20.2	175
118	Steering exciton dissociation and charge migration in green synthetic oxygen-substituted ultrathin porous graphitic carbon nitride for boosted photocatalytic reactive oxygen species generation. <i>Chemical Engineering Journal</i> , 2020, 385, 123919.	12.7	123
119	Distorted polymeric carbon nitride via carriers transfer bridges with superior photocatalytic activity for organic pollutants oxidation and hydrogen production under visible light. <i>Journal of Hazardous Materials</i> , 2020, 386, 121947.	12.4	95
120	Construction of highly water-stable metal-organic framework UiO-66 thin-film composite membrane for dyes and antibiotics separation. <i>Chemical Engineering Journal</i> , 2020, 385, 123400.	12.7	143
121	Can microplastics pose a threat to ocean carbon sequestration?. <i>Marine Pollution Bulletin</i> , 2020, 150, 110712.	5.0	137
122	Lanthanum hydroxides modified poly(epichlorohydrin)-ethylenediamine composites for highly efficient phosphate removal and bacteria disinfection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 588, 124344.	4.7	9
123	Influence of humic acid and its different molecular weight fractions on sedimentation of nanoscale zero-valent iron. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2786-2796.	5.3	4
124	How climate change and eutrophication interact with microplastic pollution and sediment resuspension in shallow lakes: A review. <i>Science of the Total Environment</i> , 2020, 705, 135979.	8.0	113
125	Efficient removal of perfluorooctanoic acid by persulfate advanced oxidative degradation: inherent roles of iron-porphyrin and persistent free radicals. <i>Chemical Engineering Journal</i> , 2020, 392, 123640.	12.7	36
126	Sensitivity difference between skotomorphogenesis and photomorphogenesis of plants to antibiotics: A call for research. <i>Chemosphere</i> , 2020, 242, 125261.	8.2	4

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127	Effects of carbon nanotubes on biodegradation of pollutants: Positive or negative?. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109914.	6.0	33
128	Dual-channel charges transfer strategy with synergistic effect of Z-scheme heterojunction and LSPR effect for enhanced quasi-full-spectrum photocatalytic bacterial inactivation: new insight into interfacial charge transfer and molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118465.	20.2	219
129	Visible-light-driven activation of peroxymonosulfate for accelerating ciprofloxacin degradation using CeO ₂ /Co ₃ O ₄ p-n heterojunction photocatalysts. <i>Chemical Engineering Journal</i> , 2020, 391, 123612.	12.7	159
130	Metal-free carbon materials for persulfate-based advanced oxidation process: Microstructure, property and tailoring. <i>Progress in Materials Science</i> , 2020, 111, 100654.	32.8	250
131	Metal-organic frameworks derived Bi ₂ O ₂ CO ₃ /porous carbon nitride: A nanosized Z-scheme systems with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118700.	20.2	131
132	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.	11.3	343
133	Microalgal and duckweed based constructed wetlands for swine wastewater treatment: A review. <i>Bioresource Technology</i> , 2020, 318, 123858.	9.6	74
134	Abiotic mediation of common ions on the co-exposure of CeO ₂ NPs with Sb (III) or Sb (V) to Glycine max (Linn.) Merrill. (Soybean): Impacts on uptake, accumulation and physiochemical characters. <i>Environmental Pollution</i> , 2020, 267, 115594.	7.5	11
135	CuS QDs/Co ₃ O ₄ Polyhedra-Driven Multiple Signal Amplifications Activated h-BN Photoelectrochemical Biosensing Platform. <i>Analytical Chemistry</i> , 2020, 92, 13073-13083.	6.5	39
136	Tetracycline stress disturbs the mobilization of protein bodies in seed storage reserves during radicle elongation after seed germination. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42150-42157.	5.3	3
137	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.	10.3	101
138	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.	20.2	306
139	Utilization of biochar for resource recovery from water: A review. <i>Chemical Engineering Journal</i> , 2020, 397, 125502.	12.7	135
140	Covalent organic framework photocatalysts: structures and applications. <i>Chemical Society Reviews</i> , 2020, 49, 4135-4165.	38.1	649
141	Insight into photocatalytic nitrogen fixation on graphitic carbon nitride: Defect-dopant strategy of nitrogen defect and boron dopant. <i>Chemical Engineering Journal</i> , 2020, 396, 125395.	12.7	92
142	In situ constructing 2D/1D MgIn ₂ S ₄ /CdS heterojunction system with enhanced photocatalytic activity towards treatment of wastewater and H ₂ production. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 264-279.	9.4	109
143	Hybrid architectures based on noble metals and carbon-based dots nanomaterials: A review of recent progress in synthesis and applications. <i>Chemical Engineering Journal</i> , 2020, 399, 125743.	12.7	70
144	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

#	ARTICLE	IF	CITATIONS
145	Mutual effects of silver nanoparticles and antimony(III)/V co-exposed to <i>Glycine max</i> (L.) Merr. in hydroponic systems: uptake, translocation, physicochemical responses, and potential mechanisms. <i>Environmental Science: Nano</i> , 2020, 7, 2691-2707.	4.3	13
146	Recent advances in conjugated microporous polymers for photocatalysis: designs, applications, and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6434-6470.	10.3	140
147	Graphdiyne: A Rising Star of Electrocatalyst Support for Energy Conversion. <i>Advanced Energy Materials</i> , 2020, 10, 2000177.	19.5	100
148	3D graphene aerogel based photocatalysts: Synthesized, properties, and applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 594, 124666.	4.7	24
149	Amidoxime-based materials for uranium recovery and removal. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7588-7625.	10.3	234
150	Few-layer graphitic carbon nitride nanosheet with controllable functionalization as an effective metal-free activator for peroxymonosulfate photocatalytic activation: Role of the energy band bending. <i>Chemical Engineering Journal</i> , 2020, 401, 126072.	12.7	99
151	Hollow tubular graphitic carbon nitride catalyst with adjustable nitrogen vacancy: Enhanced optical absorption and carrier separation for improving photocatalytic activity. <i>Chemical Engineering Journal</i> , 2020, 402, 126185.	12.7	89
152	Crystal phase engineering Zn _{0.8} Cd _{0.2} S nanocrystals with twin-induced homojunctions for photocatalytic nitrogen fixation under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 401, 112766.	3.9	18
153	Insight into the mechanism of persulfate activated by bone char: Unraveling the role of functional structure of biochar. <i>Chemical Engineering Journal</i> , 2020, 401, 126127.	12.7	106
154	Potential Interactions between Three Common Metal Oxide Nanoparticles and Antimony(III/IV) Involving Their Uptake, Distribution, and Phytotoxicity to Soybean. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10125-10141.	6.7	11
155	Desalination behavior and performance of flow-electrode capacitive deionization under various operational modes. <i>Chemical Engineering Journal</i> , 2020, 389, 124051.	12.7	75
156	Powerful combination of 2D g-C ₃ N ₄ and 2D nanomaterials for photocatalysis: Recent advances. <i>Chemical Engineering Journal</i> , 2020, 390, 124475.	12.7	205
157	Revealing the active period and type of tetracycline stress on Chinese cabbage (<i>Brassica rapa</i> L.) during seed germination and post-germination. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11443-11449.	5.3	1
158	Nitrogen-doped biochar fiber with graphitization from <i>Boehmeria nivea</i> for promoted peroxymonosulfate activation and non-radical degradation pathways with enhancing electron transfer. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118850.	20.2	449
159	Bimetallic nanoparticles/metal-organic frameworks: Synthesis, applications and challenges. <i>Applied Materials Today</i> , 2020, 19, 100564.	4.3	57
160	(Micro)plastic crisis: Un-ignorable contribution to global greenhouse gas emissions and climate change. <i>Journal of Cleaner Production</i> , 2020, 254, 120138.	9.3	357
161	Unravelling the interfacial charge migration pathway at atomic level in 2D/2D interfacial Schottky heterojunction for visible-light-driven molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118650.	20.2	150
162	Insights into catalytic removal and separation of attached metals from natural-aged microplastics by magnetic biochar activating oxidation process. <i>Water Research</i> , 2020, 179, 115876.	11.3	140

#	ARTICLE	IF	CITATIONS
163	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
164	Removal of microplastics via drinking water treatment: Current knowledge and future directions. <i>Chemosphere</i> , 2020, 251, 126612.	8.2	211
165	Are biodegradable plastics a promising solution to solve the global plastic pollution?. <i>Environmental Pollution</i> , 2020, 263, 114469.	7.5	300
166	Two-dimensional transition metal carbide and nitride (MXene) derived quantum dots (QDs): synthesis, properties, applications and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7508-7535.	10.3	201
167	Public health benefits of optimizing urban industrial land layout - The case of Changsha, China. <i>Environmental Pollution</i> , 2020, 263, 114388.	7.5	9
168	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
169	Using graphdiyne (GDY) as a catalyst support for enhanced performance in organic pollutant degradation and hydrogen production: A review. <i>Journal of Hazardous Materials</i> , 2020, 398, 122957.	12.4	45
170	Influence of multi-walled carbon nanotubes on the microbial biomass, enzyme activity, and bacterial community structure in 2,4-dichlorophenol-contaminated sediment. <i>Science of the Total Environment</i> , 2020, 713, 136645.	8.0	32
171	Design and engineering of layered double hydroxide based catalysts for water depollution by advanced oxidation processes: a review. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4141-4173.	10.3	155
172	Ti ₃ C ₂ MXene decorated black phosphorus nanosheets with improved visible-light photocatalytic activity: experimental and theoretical studies. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5171-5185.	10.3	168
173	State-of-the-Art Advances and Challenges of Iron-Based Metal Organic Frameworks from Attractive Features, Synthesis to Multifunctional Applications. <i>Small</i> , 2019, 15, e1803088.	10.0	111
174	Application potential of biochar in environment: Insight from degradation of biochar-derived DOM and complexation of DOM with heavy metals. <i>Science of the Total Environment</i> , 2019, 646, 220-228.	8.0	195
175	Research on the sustainable efficacy of g-MoS ₂ decorated biochar nanocomposites for removing tetracycline hydrochloride from antibiotic-polluted aqueous solution. <i>Science of the Total Environment</i> , 2019, 648, 206-217.	8.0	287
176	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32579-32598.	8.0	120
177	Cooperative catalytic performance of bimetallic Ni-Au nanocatalyst for highly efficient hydrogenation of nitroaromatics and corresponding mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118035.	20.2	154
178	Preparation of silver-nanoparticle-loaded magnetic biochar/poly(dopamine) composite as catalyst for reduction of organic dyes. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 460-469.	9.4	55
179	Dugongs under threat. <i>Science</i> , 2019, 365, 552-552.	12.6	7
180	Influence of feedstocks and modification methods on biochar's capacity to activate hydrogen peroxide for tetracycline removal. <i>Bioresource Technology</i> , 2019, 291, 121840.	9.6	52

#	ARTICLE	IF	CITATIONS
181	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
182	Heterogeneous Fenton-like catalyst for treatment of rhamnolipid-solubilized hexadecane wastewater. <i>Chemosphere</i> , 2019, 236, 124387.	8.2	93
183	Chemical and microbiological responses of heavy metal contaminated sediment subject to washing using humic substances. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26696-26705.	5.3	15
184	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.	20.2	485
185	The role of quorum sensing in granular sludge: Impact and future application: A review. <i>Chemosphere</i> , 2019, 236, 124310.	8.2	43
186	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
187	Impacts of iron oxide nanoparticles on organic matter degradation and microbial enzyme activities during agricultural waste composting. <i>Waste Management</i> , 2019, 95, 289-297.	7.4	66
188	Microwave-assisted chemical modification method for surface regulation of biochar and its application for estrogen removal. <i>Chemical Engineering Research and Design</i> , 2019, 128, 329-341.	5.6	42
189	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.	12.7	320
190	Catalytic degradation of estrogen by persulfate activated with iron-doped graphitic biochar: Process variables effects and matrix effects. <i>Chemical Engineering Journal</i> , 2019, 378, 122141.	12.7	158
191	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
192	Tuning Electron Density Endows Fe ₃ Co ₂ P with Exceptional Capability of Electrooxidation of Organic Pollutants. <i>Environmental Science & Technology</i> , 2019, 53, 13878-13887.	10.0	59
193	Responses of seeds of typical Brassica crops to tetracycline stress: Sensitivity difference and source analysis. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109597.	6.0	15
194	Recent advances in covalent organic frameworks (COFs) as a smart sensing material. <i>Chemical Society Reviews</i> , 2019, 48, 5266-5302.	38.1	630
195	Powerful combination of g-C3N4 and LDHs for enhanced photocatalytic performance: A review of strategy, synthesis, and applications. <i>Advances in Colloid and Interface Science</i> , 2019, 272, 101999.	14.7	127
196	Roles of surfactants in pressure-driven membrane separation processes: a review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 30731-30754.	5.3	24
197	Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22848-22870.	10.3	106
198	A fantastic two-dimensional MoS2 material based on the inert basal planes activation: Electronic structure, synthesis strategies, catalytic active sites, catalytic and electronics properties. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213020.	18.8	101

#	ARTICLE	IF	CITATIONS
199	The performance of UiO-66-NH ₂ /graphene oxide (GO) composite membrane for removal of differently charged mixed dyes. <i>Chemosphere</i> , 2019, 237, 124517.	8.2	45
200	Can biotechnology strategies effectively manage environmental (micro)plastics?. <i>Science of the Total Environment</i> , 2019, 697, 134200.	8.0	57
201	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
202	Adsorption studies of 17 β -estradiol from aqueous solution using a novel stabilized Fe-Mn binary oxide nanocomposite. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7614-7626.	5.3	14
203	Enhanced activation of peroxymonosulfate by magnetic Co ₃ MnFeO ₆ nanoparticles for removal of carbamazepine: Efficiency, synergetic mechanism and stability. <i>Chemical Engineering Journal</i> , 2019, 362, 851-864.	12.7	121
204	Can microbes feed on environmental carbon nanomaterials?. <i>Nano Today</i> , 2019, 25, 10-12.	11.9	18
205	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
206	Removal of 17 β -Estradiol from water by adsorption onto montmorillonite-carbon hybrids derived from pyrolysis carbonization of carboxymethyl cellulose. <i>Journal of Environmental Management</i> , 2019, 236, 25-33.	7.8	25
207	Black Phosphorus, a Rising Star 2D Nanomaterial in the Post-Graphene Era: Synthesis, Properties, Modifications, and Photocatalysis Applications. <i>Small</i> , 2019, 15, e1804565.	10.0	244
208	Magnetic nitrogen-doped sludge-derived biochar catalysts for persulfate activation: Internal electron transfer mechanism. <i>Chemical Engineering Journal</i> , 2019, 364, 146-159.	12.7	375
209	Evaluation of self-cleaning and photocatalytic properties of modified g-C ₃ N ₄ based PVDF membranes driven by visible light. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 356-366.	9.4	93
210	Membrane layers intensifying quorum quenching alginate cores and its potential for membrane biofouling control. <i>Bioresource Technology</i> , 2019, 279, 195-201.	9.6	35
211	Influences of pH and metal ions on the interactions of oxytetracycline onto nano-hydroxyapatite and their co-adsorption behavior in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 101-113.	9.4	64
212	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
213	Integration of nanoscale zero-valent iron and functional anaerobic bacteria for groundwater remediation: A review. <i>Environment International</i> , 2019, 124, 265-277.	10.0	136
214	Influence of FeONPs amendment on nitrogen conservation and microbial community succession during composting of agricultural waste: Relative contributions of ammonia-oxidizing bacteria and archaea to nitrogen conservation. <i>Bioresource Technology</i> , 2019, 287, 121463.	9.6	43
215	Ni-doped MIL-53(Fe) nanoparticles for optimized doxycycline removal by using response surface methodology from aqueous solution. <i>Chemosphere</i> , 2019, 232, 186-194.	8.2	85
216	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

#	ARTICLE	IF	CITATIONS
217	Silver chromate modified sulfur doped graphitic carbon nitride microrod composites with enhanced visible-light photoactivity towards organic pollutants degradation. <i>Composites Part B: Engineering</i> , 2019, 173, 106918.	12.0	50
218	Degradation of naphthalene with magnetic bio-char activate hydrogen peroxide: Synergism of bio-char and Fe ²⁺ /Mn binary oxides. <i>Water Research</i> , 2019, 160, 238-248.	11.3	335
219	Facile construction of hierarchical flower-like Z-scheme AgBr/Bi ₂ WO ₆ photocatalysts for effective removal of tetracycline: Degradation pathways and mechanism. <i>Chemical Engineering Journal</i> , 2019, 375, 121991.	12.7	237
220	Evolutions of different microbial populations and the relationships with matrix properties during agricultural waste composting with amendment of iron (hydr)oxide nanoparticles. <i>Bioresource Technology</i> , 2019, 289, 121697.	9.6	15
221	China's dams threaten green peafowl. <i>Science</i> , 2019, 364, 943-943.	12.6	19
222	Photocatalysis: Modulation of Bi ₂ MoO ₆ -Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review (<i>Small</i> 23/2019). <i>Small</i> , 2019, 15, 1970122.	10.0	70
223	Enhancing optical absorption and charge transfer: Synthesis of S-doped h-BN with tunable band structures for metal-free visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117827.	20.2	110
224	Photocatalytic conversion of carbon dioxide: From products to design the catalysts. <i>Journal of CO₂ Utilization</i> , 2019, 34, 63-73.	6.8	73
225	How do proteins "response" to common carbon nanomaterials?. <i>Advances in Colloid and Interface Science</i> , 2019, 270, 101-107.	14.7	13
226	Synthesis and characterization of 2D/0D g-C ₃ N ₄ /CdS-nitrogen doped hollow carbon spheres (NHCs) composites with enhanced visible light photodegradation activity for antibiotic. <i>Chemical Engineering Journal</i> , 2019, 374, 479-493.	12.7	122
227	Highly sensitive detection of microcystin-LR under visible light using a self-powered photoelectrochemical aptasensor based on a CoO/Au/g-C ₃ N ₄ /Z-scheme heterojunction. <i>Nanoscale</i> , 2019, 11, 12198-12209.	5.6	53
228	Multiply structural optimized strategies for bismuth oxyhalide photocatalysis and their environmental application. <i>Chemical Engineering Journal</i> , 2019, 374, 1025-1045.	12.7	180
229	Acute Toxicity of Divalent Mercury Ion to <i>Anguilla japonica</i> from Seawater and Freshwater Aquaculture and Its Effects on Tissue Structure. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1965.	2.6	10
230	Recent advances in toxicological research of nanoplastics in the environment: A review. <i>Environmental Pollution</i> , 2019, 252, 511-521.	7.5	416
231	Metal-organic frameworks derived magnetic carbon-Fe/Fe ₃ C composites as a highly effective adsorbent for tetracycline removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2019, 374, 91-99.	12.7	141
232	Photocatalytic membrane in water purification: is it stepping closer to be driven by visible light?. <i>Journal of Membrane Science</i> , 2019, 584, 364-392.	8.2	168
233	Evaluation of tetracycline phytotoxicity by seed germination stage and radicle elongation stage tests: A comparison of two typical methods for analysis. <i>Environmental Pollution</i> , 2019, 251, 257-263.	7.5	25
234	Microplastics and nanoplastics: would they affect global biodiversity change?. <i>Environmental Science and Pollution Research</i> , 2019, 26, 19997-20002.	5.3	60

#	ARTICLE	IF	CITATIONS
235	An efficient adsorbent: Simultaneous activated and magnetic ZnO doped biochar derived from camphor leaves for ciprofloxacin adsorption. <i>Bioresource Technology</i> , 2019, 288, 121511.	9.6	147
236	Evaluation of self-cleaning performance of the modified g-C3N4 and GO based PVDF membrane toward oil-in-water separation under visible-light. <i>Chemosphere</i> , 2019, 230, 40-50.	8.2	107
237	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
238	Chitosan functionalized activated coke for Au nanoparticles anchoring: Green synthesis and catalytic activities in hydrogenation of nitrophenols and azo dyes. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117740.	20.2	197
239	Enhancement of Detoxification of Petroleum Hydrocarbons and Heavy Metals in Oil-Contaminated Soil by Using Glycine- β -Cyclodextrin. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1155.	2.6	18
240	Modified crystal structure and improved photocatalytic activity of MIL-53 via inorganic acid modulator. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117746.	20.2	46
241	Assembly of AgI nanoparticles and ultrathin g-C3N4 nanosheets codecorated Bi2WO6 direct dual Z-scheme photocatalyst: An efficient, sustainable and heterogeneous catalyst with enhanced photocatalytic performance. <i>Chemical Engineering Journal</i> , 2019, 373, 1144-1157.	12.7	199
242	Effects of typical engineered nanomaterials on 4-nonylphenol degradation in river sediment: based on bacterial community and function analysis. <i>Environmental Science: Nano</i> , 2019, 6, 2171-2184.	4.3	8
243	Boosting molecular oxygen activation ability in self-assembled plasmonic p-n semiconductor photocatalytic heterojunction of WO3/Ag@Ag2O. <i>Chemical Engineering Journal</i> , 2019, 372, 12-25.	12.7	78
244	Surfactant-assisted synthesis of photocatalysts: Mechanism, synthesis, recent advances and environmental application. <i>Chemical Engineering Journal</i> , 2019, 372, 429-451.	12.7	135
245	Synthesis and application of modified commercial sponges for oil-water separation. <i>Chemical Engineering Journal</i> , 2019, 373, 213-226.	12.7	179
246	Influence of fulvic acid on Pb(II) removal from water using a post-synthetically modified MIL-100(Fe). <i>Journal of Colloid and Interface Science</i> , 2019, 551, 155-163.	9.4	46
247	Recovery of Cd(II) and surfactant in permeate from MEUF by foam fractionation with anionic-nonionic surfactant mixtures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 81-88.	4.7	27
248	Source apportionment and spatial and quantitative ecological risk assessment of heavy metals in soils from a typical Chinese agricultural county. <i>Chemical Engineering Research and Design</i> , 2019, 126, 339-347.	5.6	62
249	Peroxidase-Like Activity of Smart Nanomaterials and Their Advanced Application in Colorimetric Glucose Biosensors. <i>Small</i> , 2019, 15, e1900133.	10.0	145
250	Construction of 2D/2D nano-structured rGO-BWO photocatalysts for efficient tetracycline degradation. <i>Catalysis Communications</i> , 2019, 124, 113-117.	3.3	11
251	Decontamination of lead and tetracycline from aqueous solution by a promising carbonaceous nanocomposite: Interaction and mechanisms insight. <i>Bioresource Technology</i> , 2019, 283, 277-285.	9.6	98
252	Lignosulfonate functionalized kaolin-Ag hybrid catalyst for highly effective dye decolorization. <i>Applied Clay Science</i> , 2019, 171, 38-47.	5.2	20

#	ARTICLE	IF	CITATIONS
253	Graphene and graphene-based nanocomposites used for antibiotics removal in water treatment: A review. <i>Chemosphere</i> , 2019, 226, 360-380.	8.2	254
254	Synergistic effect of artificial enzyme and 2D nano-structured Bi ₂ WO ₆ for eco-friendly and efficient biomimetic photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 52-62.	20.2	340
255	Core-shell nanomaterials: Applications in energy storage and conversion. <i>Advances in Colloid and Interface Science</i> , 2019, 267, 26-46.	14.7	125
256	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
257	Facile assembled biochar-based nanocomposite with improved graphitization for efficient photocatalytic activity driven by visible light. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 78-88.	20.2	516
258	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
259	A novel double Z-scheme photocatalyst Ag ₃ PO ₄ /Bi ₂ S ₃ /Bi ₂ O ₃ with enhanced visible-light photocatalytic performance for antibiotic degradation. <i>Chemical Engineering Journal</i> , 2019, 368, 730-745.	12.7	254
260	Control of indigenous quorum quenching bacteria on membrane biofouling in a short-period MBR. <i>Bioresource Technology</i> , 2019, 283, 261-269.	9.6	46
261	Carbon felt cathodes for electro-Fenton process to remove tetracycline via synergistic adsorption and degradation. <i>Science of the Total Environment</i> , 2019, 670, 921-931.	8.0	99
262	Assessing the human health risks of perfluorooctane sulfonate by in vivo and in vitro studies. <i>Environment International</i> , 2019, 126, 598-610.	10.0	176
263	Construction of a high-performance photocatalytic fuel cell (PFC) based on plasmonic silver modified Cr-BiOCl nanosheets for simultaneous electricity production and pollutant removal. <i>Nanoscale</i> , 2019, 11, 6662-6676.	5.6	44
264	Constructing magnetic and high-efficiency AgI/CuFe ₂ O ₄ photocatalysts for inactivation of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> under visible light: Inactivation performance and mechanism analysis. <i>Science of the Total Environment</i> , 2019, 668, 730-742.	8.0	42
265	Understanding the influence of carbon nanomaterials on microbial communities. <i>Environment International</i> , 2019, 126, 690-698.	10.0	94
266	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
267	Effects of multi-walled carbon nanotubes on metal transformation and natural organic matters in riverine sediment. <i>Journal of Hazardous Materials</i> , 2019, 374, 459-468.	12.4	27
268	Modulation of Bi ₂ Mo ₆ -Based Materials for Photocatalytic Water Splitting and Environmental Application: a Critical Review. <i>Small</i> , 2019, 15, e1901008.	10.0	179
269	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
270	The role of dissolved organic matter in soil organic carbon stability under water erosion. <i>Ecological Indicators</i> , 2019, 102, 724-733.	6.3	41

#	ARTICLE	IF	CITATIONS
271	Modifying delafossite silver ferrite with polyaniline: Visible-light-response Z-scheme heterojunction with charge transfer driven by internal electric field. <i>Chemical Engineering Journal</i> , 2019, 370, 1087-1100.	12.7	115
272	Enhanced permeability of rGO/S-GO layered membranes with tunable inter-structure for effective rejection of salts and dyes. <i>Separation and Purification Technology</i> , 2019, 220, 309-319.	7.9	51
273	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
274	Facile synthesis of bismuth oxyhalogen-based Z-scheme photocatalyst for visible-light-driven pollutant removal: Kinetics, degradation pathways and mechanism. <i>Journal of Cleaner Production</i> , 2019, 225, 898-912.	9.3	101
275	Magnetically Separable Fe ₃ O ₄ /BiOBr Microspheres: Synthesis, Characterization, and Photocatalytic Performance for Removal of Anionic Azo Dye. <i>Environmental Engineering Science</i> , 2019, 36, 466-477.	1.6	8
276	Effect of triclocarban on hydrogen production from dark fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2019, 279, 307-316.	9.6	60
277	Immobilized laccase on bentonite-derived mesoporous materials for removal of tetracycline. <i>Chemosphere</i> , 2019, 222, 865-871.	8.2	121
278	Electro-assisted Adsorption of Zn(II) on Activated Carbon Cloth in Batch-Flow Mode: Experimental and Theoretical Investigations. <i>Environmental Science & Technology</i> , 2019, 53, 2670-2678.	10.0	50
279	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
280	Alleviation of heavy metal and silver nanoparticle toxicity and enhancement of their removal by hydrogen sulfide in <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2019, 224, 554-561.	8.2	23
281	Unveiling the mechanisms of how cationic polyacrylamide affects short-chain fatty acids accumulation during long-term anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2019, 155, 142-151.	11.3	159
282	A review on strategies to LDH-based materials to improve adsorption capacity and photoreduction efficiency for CO ₂ . <i>Coordination Chemistry Reviews</i> , 2019, 386, 154-182.	18.8	187
283	Artificial Z-scheme photocatalytic system: What have been done and where to go?. <i>Coordination Chemistry Reviews</i> , 2019, 385, 44-80.	18.8	265
284	Application of silver phosphate-based photocatalysts: Barriers and solutions. <i>Chemical Engineering Journal</i> , 2019, 366, 339-357.	12.7	96
285	Efficient removal of methylene blue from aqueous solutions using magnetic graphene oxide modified zeolite. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 43-51.	9.4	134
286	Highly efficient removal of diclofenac sodium from medical wastewater by Mg/Al layered double hydroxide-poly(m-phenylenediamine) composite. <i>Chemical Engineering Journal</i> , 2019, 366, 83-91.	12.7	121
287	Saving China's onager. <i>Science</i> , 2019, 363, 701-701.	12.6	0
288	Megamerger in photocatalytic field: 2D g-C ₃ N ₄ nanosheets serve as support of OD nanomaterials for improving photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 153-173.	20.2	310

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289	In-situ deposition of gold nanoparticles onto polydopamine-decorated g-C3N4 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
290	Immobilization of laccase on hollow mesoporous carbon nanospheres: Noteworthy immobilization, excellent stability and efficacious for antibiotic contaminants removal. <i>Journal of Hazardous Materials</i> , 2019, 362, 318-326.	12.4	170
291	Toxicity of environmental nanosilver: mechanism and assessment. <i>Environmental Chemistry Letters</i> , 2019, 17, 319-333.	16.2	30
292	Construction of 2D heterojunction system with enhanced photocatalytic performance: Plasmonic Bi and reduced graphene oxide co-modified Bi5O7I with high-speed charge transfer channels. <i>Journal of Hazardous Materials</i> , 2019, 361, 245-258.	12.4	132
293	Interaction of tetramer protein with carbon nanotubes. <i>Applied Surface Science</i> , 2019, 464, 30-35.	6.1	6
294	Fabrication of visible-light-driven silver iodide modified iodine-deficient bismuth oxyiodides Z-scheme heterojunctions with enhanced photocatalytic activity for <i>Escherichia coli</i> inactivation and tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 636-648.	9.4	79
295	In-situ synthesis of 3D microsphere-like In2S3/InVO4 heterojunction with efficient photocatalytic activity for tetracycline degradation under visible light irradiation. <i>Chemical Engineering Journal</i> , 2019, 356, 371-381.	12.7	171
296	Wetland-a hub for microplastic transmission in the global ecosystem. <i>Resources, Conservation and Recycling</i> , 2019, 142, 153-154.	10.8	25
297	In situ synthesis of visible-light-driven Z-scheme AgI/Bi2WO6 heterojunction photocatalysts with enhanced photocatalytic activity. <i>Ceramics International</i> , 2019, 45, 6340-6349.	4.8	85
298	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , 2019, 48, 488-516.	38.1	564
299	Colorimetric determination of mercury(II) using gold nanoparticles and double ligand exchange. <i>Mikrochimica Acta</i> , 2019, 186, 31.	5.0	38
300	Photo-removal of 2,2,4,4-tetrabromodiphenyl ether in liquid medium by reduced graphene oxide bridged artificial Z-scheme system of Ag@Ag3PO4/g-C3N4. <i>Chemical Engineering Journal</i> , 2019, 361, 373-386.	12.7	101
301	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. <i>Journal of Catalysis</i> , 2019, 369, 469-481.	6.2	285
302	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. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 290-301.	20.2	229
303	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
304	Boron nitride quantum dots decorated ultrathin porous g-C3N4: 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
305	Perchlorate removal from brackish water by capacitive deionization: Experimental and theoretical investigations. <i>Chemical Engineering Journal</i> , 2019, 361, 209-218.	12.7	39
306	Novel cellulose-GO/MoS2 composites membranes with enhanced permeability for effective salts and dyes rejection at low pressure. <i>Journal of Membrane Science</i> , 2019, 574, 112-123.	8.2	147

#	ARTICLE	IF	CITATIONS
307	Nanohybrid Photocatalysts for Recalcitrant Organic Pollutant Degradation. , 2019, , 155-200.		2
308	Ultrathin Bi ₂ WO ₆ nanosheets loaded g-C ₃ N ₄ quantum dots: A direct Z-scheme photocatalyst with enhanced photocatalytic activity towards degradation of organic pollutants under wide spectrum light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 654-664.	9.4	132
309	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
310	Fabrication of polydopamine-kaolin supported Ag nanoparticles as effective catalyst for rapid dye decoloration. <i>Chemosphere</i> , 2019, 219, 400-408.	8.2	22
311	N- and O-Doped Carbon Dots for Rapid and High-Throughput Dual Detection of Trace Amounts of Iron in Water and Organic Phases. <i>Journal of Fluorescence</i> , 2019, 29, 137-144.	2.5	7
312	Insights into enhanced removal of TCE utilizing sulfide-modified nanoscale zero-valent iron activated persulfate. <i>Chemical Engineering Journal</i> , 2019, 359, 1046-1055.	12.7	115
313	Tailored indium sulfide-based materials for solar-energy conversion and utilization. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 38, 1-26.	11.6	127
314	Characteristics of fulvic acid during coprecipitation and adsorption to iron oxides-copper aqueous system. <i>Journal of Molecular Liquids</i> , 2019, 274, 664-672.	4.9	30
315	Immobilizing laccase on kaolinite and its application in treatment of malachite green effluent with the coexistence of Cd (II). <i>Chemosphere</i> , 2019, 217, 843-850.	8.2	51
316	The application of different typological and structural MOFs-based materials for the dyes adsorption. <i>Coordination Chemistry Reviews</i> , 2019, 380, 471-483.	18.8	302
317	Various cell architectures of capacitive deionization: Recent advances and future trends. <i>Water Research</i> , 2019, 150, 225-251.	11.3	298
318	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
319	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
320	Facile assembly of g-C ₃ N ₄ /Ag ₂ CO ₃ /graphene oxide with a novel dual Z-scheme system for enhanced photocatalytic pollutant degradation. <i>Applied Surface Science</i> , 2019, 475, 421-434.	6.1	109
321	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
322	Adsorptive removal of anionic dye using calcined oyster shells: isotherms, kinetics, and thermodynamics. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5944-5954.	5.3	62
323	Magnetic nanoferromanganese oxides modified biochar derived from pine sawdust for adsorption of tetracycline hydrochloride. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5892-5903.	5.3	86
324	Toxicity of sulfide-modified nanoscale zero-valent iron to <i>Escherichia coli</i> in aqueous solutions. <i>Chemosphere</i> , 2019, 220, 523-530.	8.2	65

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325	Ternary Z-scheme heterojunction of Bi ₂ WO ₆ with reduced graphene oxide (rGO) and meso-tetra (4-carboxyphenyl) porphyrin (TCPP) for enhanced visible-light photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 115-125.	9.4	88
326	Insight into the energy band alignment of magnetically separable Ag ₂ O/ZnFe ₂ O ₄ p-n heterostructure with rapid charge transfer assisted visible light photocatalysis. <i>Journal of Catalysis</i> , 2019, 370, 289-303.	6.2	165
327	Nitrogen doped carbon quantum dots promoted the construction of Z-scheme system with enhanced molecular oxygen activation ability. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 123-132.	9.4	44
328	Using nanomaterials to facilitate the phytoremediation of contaminated soil. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 791-824.	12.8	90
329	Deciphering the Fenton-reaction-aid lignocellulose degradation pattern by <i>Phanerochaete chrysosporium</i> with ferroferric oxide nanomaterials: Enzyme secretion, straw humification and structural alteration. <i>Bioresource Technology</i> , 2019, 276, 335-342.	9.6	41
330	Is vermicompost the possible in situ sorbent? Immobilization of Pb, Cd and Cr in sediment with sludge derived vermicompost, a column study. <i>Journal of Hazardous Materials</i> , 2019, 367, 83-90.	12.4	28
331	Micro(nano)plastics: Unignorable vectors for organisms. <i>Marine Pollution Bulletin</i> , 2019, 139, 328-331.	5.0	144
332	Influence of immobilization on phenanthrene degradation by <i>Bacillus</i> sp. P1 in the presence of Cd(II). <i>Science of the Total Environment</i> , 2019, 655, 1279-1287.	8.0	31
333	Graphene hybridized polydopamine-kaolin composite as effective adsorbent for methylene blue removal. <i>Composites Part B: Engineering</i> , 2019, 161, 141-149.	12.0	89
334	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
335	Adsorption behavior and mechanism of Mg/Fe layered double hydroxide with Fe ₃ O ₄ -carbon spheres on the removal of Pb(II) and Cu(II). <i>Journal of Colloid and Interface Science</i> , 2019, 536, 440-455.	9.4	207
336	Removal of Cd(II) by micellar enhanced ultrafiltration: Role of SDS behaviors on membrane with low concentration. <i>Journal of Cleaner Production</i> , 2019, 209, 53-61.	9.3	32
337	Mechanisms of peroxymonosulfate pretreatment enhancing production of short-chain fatty acids from waste activated sludge. <i>Water Research</i> , 2019, 148, 239-249.	11.3	188
338	Adsorption of 17 β -estradiol by a novel attapulgite/biochar nanocomposite : Characteristics and influencing factors. <i>Chemical Engineering Research and Design</i> , 2019, 121, 155-164.	5.6	54
339	Nitrogen self-doped g-C ₃ N ₄ nanosheets with tunable band structures for enhanced photocatalytic tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 17-29.	9.4	193
340	Effects of multi-walled carbon nanotubes on metabolic function of the microbial community in riverine sediment contaminated with phenanthrene. <i>Carbon</i> , 2019, 144, 1-7.	10.3	58
341	Micro(nano)plastics: An un-ignorable carbon source?. <i>Science of the Total Environment</i> , 2019, 657, 108-110.	8.0	52
342	Integrating the plasmonic effect and p-n heterojunction into a novel Ag/Ag ₂ O/PbBiO ₂ Br photocatalyst: Broadened light absorption and accelerated charge separation co-mediated highly efficient visible/NIR light photocatalysis. <i>Chemical Engineering Journal</i> , 2019, 360, 349-363.	12.7	165

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343	Humic substances from green waste compost: An effective washing agent for heavy metal (Cd, Ni) removal from contaminated sediments. <i>Journal of Hazardous Materials</i> , 2019, 366, 210-218.	12.4	88
344	The effects of activated biochar addition on remediation efficiency of co-composting with contaminated wetland soil. <i>Resources, Conservation and Recycling</i> , 2019, 140, 278-285.	10.8	343
345	Nano-structured bismuth tungstate with controlled morphology: Fabrication, modification, environmental application and mechanism insight. <i>Chemical Engineering Journal</i> , 2019, 358, 480-496.	12.7	185
346	Fabrication of CuS/BiVO ₄ (0 ⁺ 4 ⁻) binary heterojunction photocatalysts with enhanced photocatalytic activity for Ciprofloxacin degradation and mechanism insight. <i>Chemical Engineering Journal</i> , 2019, 358, 891-902.	12.7	401
347	Effects of silver nanoparticles with different dosing regimens and exposure media on artificial ecosystem. <i>Journal of Environmental Sciences</i> , 2019, 75, 181-192.	6.1	9
348	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 273-284.	9.4	552
349	Hydrogen sulfide formation control and microbial competition in batch anaerobic digestion of slaughterhouse wastewater sludge: Effect of initial sludge pH. <i>Bioresource Technology</i> , 2018, 259, 67-74.	9.6	107
350	Progress and prospect of adsorptive removal of heavy metal ions from aqueous solution using metal-organic frameworks: A review of studies from the last decade. <i>Chemosphere</i> , 2018, 201, 627-643.	8.2	230
351	Performance of magnetic graphene oxide/diethylenetriaminepentaacetic acid nanocomposite for the tetracycline and ciprofloxacin adsorption in single and binary systems. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 150-159.	9.4	127
352	Nanoscale zero-valent iron assisted phytoremediation of Pb in sediment: Impacts on metal accumulation and antioxidative system of <i>Lolium perenne</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 153, 229-237.	6.0	118
353	Preparation, performances and mechanisms of magnetic <i>Saccharomyces cerevisiae</i> bionanocomposites for atrazine removal. <i>Chemosphere</i> , 2018, 200, 380-387.	8.2	75
354	A fluorescent DNA based probe for Hg(II) based on thymine-Hg(II)-thymine interaction and enrichment via magnetized graphene oxide. <i>Mikrochimica Acta</i> , 2018, 185, 207.	5.0	14
355	Enhanced activation process of persulfate by mesoporous carbon for degradation of aqueous organic pollutants: Electron transfer mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 1-10.	20.2	614
356	Simultaneous Removal of Multicomponent VOCs in Biofilters. <i>Trends in Biotechnology</i> , 2018, 36, 673-685.	9.3	204
357	Heavy metals in soils and sediments from Dongting Lake in China: occurrence, sources, and spatial distribution by multivariate statistical analysis. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13687-13696.	5.3	40
358	Remediation of contaminated soils by enhanced nanoscale zero valent iron. <i>Environmental Research</i> , 2018, 163, 217-227.	7.5	181
359	Biotransformation of cadmium-sulfamethazine combined pollutant in aqueous environments: <i>Phanerochaete chrysosporium</i> bring cautious optimism. <i>Chemical Engineering Journal</i> , 2018, 347, 74-83.	12.7	67
360	Cyclic volatile methylsiloxanes in sediment, soil, and surface water from Dongting Lake, China. <i>Journal of Soils and Sediments</i> , 2018, 18, 2063-2071.	3.0	22

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361	Enhanced short-chain fatty acids production from waste activated sludge by combining calcium peroxide with free ammonia pretreatment. <i>Bioresource Technology</i> , 2018, 262, 114-123.	9.6	85
362	Multivariate relationships between microbial communities and environmental variables during co-composting of sewage sludge and agricultural waste in the presence of PVP-AgNPs. <i>Bioresource Technology</i> , 2018, 261, 10-18.	9.6	138
363	A review of the hydrothermal carbonization of biomass waste for hydrochar formation: Process conditions, fundamentals, and physicochemical properties. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 223-247.	16.4	803
364	Mechanisms for rhamnolipids-mediated biodegradation of hydrophobic organic compounds. <i>Science of the Total Environment</i> , 2018, 634, 1-11.	8.0	75
365	Co-Mn layered double hydroxide as an effective heterogeneous catalyst for degradation of organic dyes by activation of peroxymonosulfate. <i>Chemosphere</i> , 2018, 204, 11-21.	8.2	193
366	Formation of quasi-core-shell In ₂ S ₃ /anatase TiO ₂ @metallic Ti ₃ C ₂ T _x hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 213-225.	20.2	297
367	Rational Design of Carbon-Doped Carbon Nitride/Bi ₁₂ O ₁₇ Cl ₂ Composites: A Promising Candidate Photocatalyst for Boosting Visible-Light-Driven Photocatalytic Degradation of Tetracycline. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6941-6949.	6.7	196
368	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
369	Effective treatment of oily scum via catalytic wet persulfate oxidation process activated by Fe ²⁺ . <i>Journal of Environmental Management</i> , 2018, 217, 411-415.	7.8	20
370	Remediation of multiple heavy metal-contaminated soil through the combination of soil washing and in situ immobilization. <i>Science of the Total Environment</i> , 2018, 635, 92-99.	8.0	198
371	Ultrathin reduced graphene oxide/MOF nanofiltration membrane with improved purification performance at low pressure. <i>Chemosphere</i> , 2018, 204, 378-389.	8.2	94
372	Effects of human activities and climate change on the reduction of visibility in Beijing over the past 36 years. <i>Environment International</i> , 2018, 116, 92-100.	10.0	39
373	How to Construct DNA Hydrogels for Environmental Applications: Advanced Water Treatment and Environmental Analysis. <i>Small</i> , 2018, 14, e1703305.	10.0	59
374	Coupling Modern Portfolio Theory and Marxan enhances the efficiency of Lesser White-fronted Goose's (Anser erythropus) habitat conservation. <i>Scientific Reports</i> , 2018, 8, 214.	3.3	16
375	Enhanced photocatalytic activity of ternary Ag/g-C ₃ N ₄ /NaTaO ₃ photocatalysts under wide spectrum light radiation: The high potential band protection mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 230, 102-114.	20.2	225
376	A novel biosorbent prepared by immobilized <i>Bacillus licheniformis</i> for lead removal from wastewater. <i>Chemosphere</i> , 2018, 200, 173-179.	8.2	81
377	Microstructure and performance of Z-scheme photocatalyst of silver phosphate modified by MWCNTs and Cr-doped SrTiO ₃ for malachite green degradation. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 557-570.	20.2	172
378	Three-dimensional graphene supported catalysts for organic dyes degradation. <i>Applied Catalysis B: Environmental</i> , 2018, 228, 19-28.	20.2	286

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379	“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
380	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
381	In-situ synthesis of direct solid-state dual Z-scheme WO ₃ /g-C ₃ N ₄ /Bi ₂ O ₃ photocatalyst for the degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 376-385.	20.2	495
382	Photogenerated charge transfer via interfacial internal electric field for significantly improved photocatalysis in direct Z-scheme oxygen-doped carbon nitrogen/CoAl-layered double hydroxide heterojunction. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 530-540.	20.2	219
383	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
384	Near-infrared-driven Cr(VI) reduction in aqueous solution based on a MoS ₂ /Sb ₂ S ₃ photocatalyst. <i>Catalysis Science and Technology</i> , 2018, 8, 1545-1554.	4.1	41
385	Degradation of di (2-ethylhexyl) phthalate in sediment by a surfactant-enhanced Fenton-like process. <i>Chemosphere</i> , 2018, 198, 327-333.	8.2	17
386	Regionalized and vectorial charges transferring of Cd ²⁺ /ZnS twin nanocrystal homojunctions for visible-light driven photocatalytic applications. <i>Journal of Colloid and Interface Science</i> , 2018, 518, 156-164.	9.4	42
387	Putting carbon nanomaterials on the carbon cycle map. <i>Nano Today</i> , 2018, 20, 7-9.	11.9	13
388	Free ammonia enhances dark fermentative hydrogen production from waste activated sludge. <i>Water Research</i> , 2018, 133, 272-281.	11.3	163
389	In Situ Grown Ag ₁₂ O ₁₇ Cl ₂ Heterojunction Photocatalysts for Visible Light Degradation of Sulfamethazine: Efficiency, Pathway, and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4174-4184.	6.7	249
390	Hydrothermal synthesis of montmorillonite/hydrochar nanocomposites and application for 17 β -estradiol and 17 α -ethynylestradiol removal. <i>RSC Advances</i> , 2018, 8, 4273-4283.	3.6	33
391	Controllable fabrication of a novel heterojunction composite: AgBr and Ag@Ag ₂ O co-modified Ag ₂ CO ₃ with excellent photocatalytic performance towards refractory pollutant degradation. <i>New Journal of Chemistry</i> , 2018, 42, 3270-3281.	2.8	17
392	The combination of Fenton process and <i>Phanerochaete chrysosporium</i> for the removal of bisphenol A in river sediments: Mechanism related to extracellular enzyme, organic acid and iron. <i>Chemical Engineering Journal</i> , 2018, 338, 432-439.	12.7	93
393	The feasibility of enhanced biological phosphorus removal in the novel oxidized/extended idle process using fermentation liquid from sludge fermentation. <i>RSC Advances</i> , 2018, 8, 3321-3327.	3.6	6
394	Factors influencing degradation of trichloroethylene by sulfide-modified nanoscale zero-valent iron in aqueous solution. <i>Water Research</i> , 2018, 135, 1-10.	11.3	195
395	Hydrothermal synthesis of graphene wrapped Fe-doped TiO ₂ nanospheres with high photocatalysis performance. <i>Ceramics International</i> , 2018, 44, 7473-7480.	4.8	55
396	A review on airborne microorganisms in particulate matters: Composition, characteristics and influence factors. <i>Environment International</i> , 2018, 113, 74-90.	10.0	187

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397	Influence of reflux ratio on two-stage anoxic/oxic with MBR for leachate treatment: Performance and microbial community structure. <i>Bioresource Technology</i> , 2018, 256, 69-76.	9.6	41
398	Clay-Inspired MXene-Based Electrochemical Devices and Photo-Electrocatalyst: State-of-the-Art Progresses and Challenges. <i>Advanced Materials</i> , 2018, 30, e1704561.	21.0	431
399	Combination of efficient charge separation with the assistance of novel dual Z-scheme system: self-assembly photocatalyst Ag@AgI/BiOI modified oxygen-doped carbon nitride nanosheet with enhanced photocatalytic performance. <i>Catalysis Science and Technology</i> , 2018, 8, 1161-1175.	4.1	99
400	Adsorption of estrogen contaminants (17 β -estradiol and 17 α -ethynylestradiol) by graphene nanosheets from water: Effects of graphene characteristics and solution chemistry. <i>Chemical Engineering Journal</i> , 2018, 339, 296-302.	12.7	42
401	Photocatalytic degradation of ciprofloxacin by a novel Z-scheme CeO ₂ @Ag/AgBr photocatalyst: Influencing factors, possible degradation pathways, and mechanism insight. <i>Journal of Catalysis</i> , 2018, 358, 141-154.	6.2	406
402	A facile strategy to fabricate hollow cadmium sulfide nanospheres with nanoparticles-textured surface for hexavalent chromium reduction and bacterial inactivation. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 396-406.	9.4	29
403	Understanding the impact of cationic polyacrylamide on anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2018, 130, 281-290.	11.3	156
404	Effect of acetate to glycerol ratio on enhanced biological phosphorus removal. <i>Chemosphere</i> , 2018, 196, 78-86.	8.2	47
405	Silver ion-enhanced particle-specific cytotoxicity of silver nanoparticles and effect on the production of extracellular secretions of <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2018, 196, 575-584.	8.2	45
406	The synthetic evaluation of CuO-MnOx-modified pinecone biochar for simultaneous removal formaldehyde and elemental mercury from simulated flue gas. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4761-4775.	5.3	43
407	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
408	Construction of highly efficient and stable ternary AgBr/Ag/PbBiO ₂ Br Z-scheme photocatalyst under visible light irradiation: Performance and mechanism insight. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 852-865.	9.4	110
409	From nZVI to SNCs: development of a better material for pollutant removal in water. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6175-6195.	5.3	26
410	Integrating priority areas and ecological corridors into national network for conservation planning in China. <i>Science of the Total Environment</i> , 2018, 626, 22-29.	8.0	144
411	Effect of diclofenac on the production of volatile fatty acids from anaerobic fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2018, 254, 7-15.	9.6	80
412	Remediation of lead-contaminated sediment by biochar-supported nano-chlorapatite: Accompanied with the change of available phosphorus and organic matters. <i>Journal of Hazardous Materials</i> , 2018, 348, 109-116.	12.4	128
413	Polyaniline-based adsorbents for removal of hexavalent chromium from aqueous solution: a mini review. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6158-6174.	5.3	120
414	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

#	ARTICLE	IF	CITATIONS
415	Construction of an all-solid-state Z-scheme photocatalyst based on graphite carbon nitride and its enhancement to catalytic activity. <i>Environmental Science: Nano</i> , 2018, 5, 599-615.	4.3	174
416	Pathway and mechanism of nitrogen transformation during composting: Functional enzymes and genes under different concentrations of PVP-AgNPs. <i>Bioresource Technology</i> , 2018, 253, 112-120.	9.6	81
417	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
418	Effect of mineralizing agents on the adsorption performance of metal-organic framework MIL-100(Fe) towards chromium(VI). <i>Chemical Engineering Journal</i> , 2018, 337, 532-540.	12.7	122
419	Removal of elemental mercury from simulated flue gas by a novel composite sulfurized activated carbon. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 381-387.	2.3	7
420	Responses of microalgae <i>Coelastrella</i> sp. to stress of cupric ions in treatment of anaerobically digested swine wastewater. <i>Bioresource Technology</i> , 2018, 251, 274-279.	9.6	114
421	Biochar-based functional materials in the purification of agricultural wastewater: Fabrication, application and future research needs. <i>Chemosphere</i> , 2018, 197, 165-180.	8.2	119
422	Photocatalytic degradation of levofloxacin by ternary Ag ₂ CO ₃ /CeO ₂ /AgBr photocatalyst under visible-light irradiation: Degradation pathways, mineralization ability, and an accelerated interfacial charge transfer process study. <i>Journal of Catalysis</i> , 2018, 358, 211-223.	6.2	189
423	Insight into the dual-channel charge-carrier transfer path for nonmetal plasmonic tungsten oxide based composites with boosted photocatalytic activity under full-spectrum light. <i>Applied Catalysis B: Environmental</i> , 2018, 235, 225-237.	20.2	184
424	Free ammonia-based sludge treatment reduces sludge production in the wastewater treatment process. <i>Chemosphere</i> , 2018, 205, 484-492.	8.2	44
425	Fabrication of the tea saponin functionalized reduced graphene oxide for fast adsorptive removal of Cd(II) from water. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	7
426	The bioenergetics mechanisms and applications of sulfate-reducing bacteria in remediation of pollutants in drainage: A review. <i>Ecotoxicology and Environmental Safety</i> , 2018, 158, 162-170.	6.0	82
427	Recyclable zero-valent iron activating peroxymonosulfate synchronously combined with thermal treatment enhances sludge dewaterability by altering physicochemical and biological properties. <i>Bioresource Technology</i> , 2018, 262, 294-301.	9.6	115
428	Cover Image, Volume 93, Issue 4. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, i-i.	3.2	0
429	Efficient construction of bismuth vanadate-based Z-scheme photocatalyst for simultaneous Cr(VI) reduction and ciprofloxacin oxidation under visible light: Kinetics, degradation pathways and mechanism. <i>Chemical Engineering Journal</i> , 2018, 348, 157-170.	12.7	220
430	Efficient removal of Cd ²⁺ and Pb ²⁺ from aqueous solution with amino- and thiol-functionalized activated carbon: Isotherm and kinetics modeling. <i>Science of the Total Environment</i> , 2018, 635, 1331-1344.	8.0	162
431	Enhanced removal performance for methylene blue by kaolin with graphene oxide modification. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 89, 77-85.	5.3	57
432	Magnetic bionanoparticles of <i>Penicillium</i> sp. yz11-22N2 doped with Fe ₃ O ₄ and encapsulated within PVA-SA gel beads for atrazine removal. <i>Bioresource Technology</i> , 2018, 260, 196-203.	9.6	60

#	ARTICLE	IF	CITATIONS
433	Differential behaviors of silver nanoparticles and silver ions towards cysteine: Bioremediation and toxicity to <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2018, 203, 199-208.	8.2	42
434	Application of molecular docking for the degradation of organic pollutants in the environmental remediation: A review. <i>Chemosphere</i> , 2018, 203, 139-150.	8.2	111
435	Facile construction of novel direct solid-state Z-scheme AgI/BiOBr photocatalysts for highly effective removal of ciprofloxacin under visible light exposure: Mineralization efficiency and mechanisms. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 82-94.	9.4	207
436	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
437	Template-free synthesis of three-dimensional porous CdS/TiO ₂ with high stability and excellent visible photocatalytic activity. <i>Materials Chemistry and Physics</i> , 2018, 212, 69-77.	4.0	40
438	Carbon-based core-shell nanostructured materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7310-7337.	10.3	102
439	Adsorption of 17 β -estradiol by graphene oxide: Effect of heteroaggregation with inorganic nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 343, 371-378.	12.7	36
440	Chemical and biological assessment of Cd-polluted sediment for land use: The effect of stabilization using chitosan-coated zeolite. <i>Journal of Environmental Management</i> , 2018, 212, 46-53.	7.8	31
441	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
442	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
443	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
444	Nitrogen-containing amino compounds functionalized graphene oxide: Synthesis, characterization and application for the removal of pollutants from wastewater: A review. <i>Journal of Hazardous Materials</i> , 2018, 342, 177-191.	12.4	131
445	In situ surface transfer process of Cry1Ac protein on SiO ₂ /4 β : The effect of biosurfactants for desorption. <i>Journal of Hazardous Materials</i> , 2018, 341, 150-158.	12.4	6
446	Apportioning source of erosion-induced organic matter in the hilly-gully region of loess plateau in China: Insight from lipid biomarker and isotopic signature analysis. <i>Science of the Total Environment</i> , 2018, 621, 1310-1319.	8.0	25
447	Comparative study of rice husk biochars for aqueous antibiotics removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1075-1084.	3.2	41
448	Enhanced <i>Escherichia coli</i> inactivation and oxytetracycline hydrochloride degradation by a Z-scheme silver iodide decorated bismuth vanadate nanocomposite under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 272-281.	9.4	73
449	Sorption-desorption behaviors of heavy metals by biochar-compost amendment with different ratios in contaminated wetland soil. <i>Journal of Soils and Sediments</i> , 2018, 18, 1530-1539.	3.0	25
450	White rot fungi and advanced combined biotechnology with nanomaterials: promising tools for endocrine-disrupting compounds biotransformation. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 671-689.	9.0	54

#	ARTICLE	IF	CITATIONS
451	Investigating binding characteristics of cadmium and copper to DOM derived from compost and rice straw using EEM-PARAFAC combined with two-dimensional FTIR correlation analyses. <i>Journal of Hazardous Materials</i> , 2018, 344, 539-548.	12.4	214
452	Effect of salinity on removal performance and activated sludge characteristics in sequencing batch reactors. <i>Bioresource Technology</i> , 2018, 249, 890-899.	9.6	181
453	Highly efficient photocatalysis toward tetracycline of nitrogen doped carbon quantum dots sensitized bismuth tungstate based on interfacial charge transfer. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 296-306.	9.4	119
454	A novel Ag ₂ O/CeO ₂ heterojunction photocatalysts for photocatalytic degradation of enrofloxacin: possible degradation pathways, mineralization activity and an in depth mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 701-714.	20.2	389
455	Implication of graphene oxide in Cd-contaminated soil: A case study of bacterial communities. <i>Journal of Environmental Management</i> , 2018, 205, 99-106.	7.8	75
456	Seed germination test for toxicity evaluation of compost: Its roles, problems and prospects. <i>Waste Management</i> , 2018, 71, 109-114.	7.4	264
457	Effect of zinc ions on nutrient removal and growth of <i>Lemna aequinoctialis</i> from anaerobically digested swine wastewater. <i>Bioresource Technology</i> , 2018, 249, 457-463.	9.6	77
458	Effect of exogenous carbonaceous materials on the bioavailability of organic pollutants and their ecological risks. <i>Soil Biology and Biochemistry</i> , 2018, 116, 70-81.	8.8	114
459	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
460	Rhamnolipid stabilized nano-chlorapatite: Synthesis and enhancement effect on Pb-and Cd-immobilization in polluted sediment. <i>Journal of Hazardous Materials</i> , 2018, 343, 332-339.	12.4	139
461	A case study of evaluating zeolite, CaCO ₃ , and MnO ₂ for Cd-contaminated sediment reuse in soil. <i>Journal of Soils and Sediments</i> , 2018, 18, 323-332.	3.0	14
462	Metal-free efficient photocatalyst for stable visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 715-725.	20.2	438
463	Influence of temperature on nitrogen fate during hydrothermal carbonization of food waste. <i>Bioresource Technology</i> , 2018, 247, 182-189.	9.6	163
464	Effectiveness and mechanisms of phosphate adsorption on iron-modified biochars derived from waste activated sludge. <i>Bioresource Technology</i> , 2018, 247, 537-544.	9.6	297
465	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
466	Facile fabrication of mediator-free Z-scheme photocatalyst of phosphorous-doped ultrathin graphitic carbon nitride nanosheets and bismuth vanadate composites with enhanced tetracycline degradation under visible light. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 219-234.	9.4	160
467	Sorption, transport and biodegradation – An insight into bioavailability of persistent organic pollutants in soil. <i>Science of the Total Environment</i> , 2018, 610-611, 1154-1163.	8.0	402
468	Titanium dioxide-coated biochar composites as adsorptive and photocatalytic degradation materials for the removal of aqueous organic pollutants. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 783-791.	3.2	73

#	ARTICLE	IF	CITATIONS
469	Thermal stability of organic carbon in soil aggregates as affected by soil erosion and deposition. <i>Soil and Tillage Research</i> , 2018, 175, 82-90.	5.6	89
470	Comparison of various pretreatments for ethanol production enhancement from solid residue after rumen fluid digestion of rice straw. <i>Bioresource Technology</i> , 2018, 247, 147-156.	9.6	50
471	Remediation of contaminated soils by biotechnology with nanomaterials: bio-behavior, applications, and perspectives. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 455-468.	9.0	158
472	Enhanced bioremediation of 4-nonylphenol and cadmium co-contaminated sediment by composting with <i>Phanerochaete chrysosporium</i> inocula. <i>Bioresource Technology</i> , 2018, 250, 625-634.	9.6	40
473	The potential impact on the biodegradation of organic pollutants from composting technology for soil remediation. <i>Waste Management</i> , 2018, 72, 138-149.	7.4	98
474	Simultaneous degradation of P-nitroaniline and electricity generation by using a microfiltration membrane dual-chamber microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1749-1757.	7.1	35
475	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
476	Transcriptome analysis reveals novel insights into the response to Pb exposure in <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2018, 194, 657-665.	8.2	12
477	Performance and biofilm characteristics of biotrickling filters for ethylbenzene removal in the presence of saponins. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30021-30030.	5.3	42
478	Physicochemical transformation of Fe/Ni bimetallic nanoparticles during aging in simulated groundwater and the consequent effect on contaminant removal. <i>Water Research</i> , 2018, 129, 51-57.	11.3	94
479	Modeling the transport of sodium dodecyl benzene sulfonate in riverine sediment in the presence of multi-walled carbon nanotubes. <i>Water Research</i> , 2018, 129, 20-28.	11.3	84
480	Quorum quenching activity of indigenous quorum quenching bacteria and its potential application in mitigation of membrane biofouling. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1394-1400.	3.2	29
481	Construction of plasmonic Ag modified phosphorous-doped ultrathin g-C ₃ N ₄ nanosheets/BiVO ₄ photocatalyst with enhanced visible-near-infrared response ability for ciprofloxacin degradation. <i>Journal of Hazardous Materials</i> , 2018, 344, 758-769.	12.4	227
482	Evaluation of soluble microbial products (SMP) on membrane fouling in membrane bioreactors (MBRs) at the fractional and overall level: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2018, 17, 71-85.	8.1	73
483	Highly efficient photocatalytic activity and mechanism of Yb ³⁺ /Tm ³⁺ codoped In ₂ S ₃ from ultraviolet to near infrared light towards chromium (VI) reduction and rhodamine B oxydative degradation. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 8-21.	20.2	172
484	Sustainable efficient adsorbent: Alkali-acid modified magnetic biochar derived from sewage sludge for aqueous organic contaminant removal. <i>Chemical Engineering Journal</i> , 2018, 336, 160-169.	12.7	449
485	Removal of tetracycline by Fe/Ni bimetallic nanoparticles in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 117-125.	9.4	127
486	Denitrification of landfill leachate under different hydraulic retention time in a two-stage anoxic/oxic combined membrane bioreactor process: Performances and bacterial community. <i>Bioresource Technology</i> , 2018, 250, 110-116.	9.6	87

#	ARTICLE	IF	CITATIONS
487	Understanding the mechanisms of how poly aluminium chloride inhibits short-chain fatty acids production from anaerobic fermentation of waste activated sludge. <i>Chemical Engineering Journal</i> , 2018, 334, 1351-1360.	12.7	99
488	Denitrifying microbial community with the ability to bromate reduction in a rotating biofilm-electrode reactor. <i>Journal of Hazardous Materials</i> , 2018, 342, 150-157.	12.4	36
489	Effects of molecular weight fractionated humic acid on the transport and retention of quantum dots in porous media. <i>Environmental Science: Nano</i> , 2018, 5, 2699-2711.	4.3	7
490	Electrochemical Aptasensor Based on Sulfurâ€“Nitrogen Codoped Ordered Mesoporous Carbon and Thymineâ€“Hg ²⁺ â€“Thymine Mismatch Structure for Hg ²⁺ Detection. <i>ACS Sensors</i> , 2018, 3, 2566-2573.	7.8	137
491	Heavy metal leachability in soil amended with zeolite- or biochar-modified contaminated sediment. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 751.	2.7	15
492	Labile organic matter plays a more important role than the autotrophic bacterial community in regulating microbial CO ₂ fixation in an eroded watershed. <i>Land Degradation and Development</i> , 2018, 29, 4415-4423.	3.9	10
493	Revealing the Underlying Mechanisms of How Initial pH Affects Waste Activated Sludge Solubilization and Dewaterability in Freezing and Thawing Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15822-15831.	6.7	35
494	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
495	Microplastic pollution in surface sediments of urban water areas in Changsha, China: Abundance, composition, surface textures. <i>Marine Pollution Bulletin</i> , 2018, 136, 414-423.	5.0	183
496	Immobilization of heavy metals in two contaminated soils using a modified magnesium silicate stabilizer. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32562-32571.	5.3	31
497	Simultaneous removal of hexavalent chromium and o-dichlorobenzene by isolated <i>Serratia marcescens</i> ZD-9. <i>Biodegradation</i> , 2018, 29, 605-616.	3.0	13
498	Clarifying the Role of Free Ammonia in the Production of Short-Chain Fatty Acids from Waste Activated Sludge Anaerobic Fermentation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14104-14113.	6.7	73
499	Nitrogen-Doped Hollow Mesoporous Carbon Spheres Modified g-C ₃ N ₄ /Bi ₂ O ₃ Direct Dual Semiconductor Photocatalytic System with Enhanced Antibiotics Degradation under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16424-16436.	6.7	147
500	Fabrication of Stabilized Feâ€“Mn Binary Oxide Nanoparticles: Effective Adsorption of 17Î²-Estradiol and Influencing Factors. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2218.	2.6	12
501	Ultrathin BiOCl Single-Crystalline Nanosheets with Large Reactive Facets Area and High Electron Mobility Efficiency: A Superior Candidate for High-Performance Dye Self-Photosensitization Photocatalytic Fuel Cell. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39723-39734.	8.0	51
502	Recent advances in sensors for tetracycline antibiotics and their applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 109, 260-274.	11.4	190
503	Sulfate radical induced degradation of Methyl Violet azo dye with CuFe layered doubled hydroxide as heterogeneous photoactivator of persulfate. <i>Journal of Environmental Management</i> , 2018, 227, 406-414.	7.8	77
504	Enhanced degradation performance of organic dyes removal by bismuth vanadate-reduced graphene oxide composites under visible light radiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 559, 169-183.	4.7	40

#	ARTICLE	IF	CITATIONS
505	Numerical simulation and exploration of electrocoagulation process for arsenic and antimony removal: Electric field, flow field, and mass transfer studies. <i>Journal of Environmental Management</i> , 2018, 228, 336-345.	7.8	40
506	A facile band alignment of polymeric carbon nitride isotype heterojunctions for enhanced photocatalytic tetracycline degradation. <i>Environmental Science: Nano</i> , 2018, 5, 2604-2617.	4.3	93
507	Free ammonia-based pretreatment enhances phosphorus release and recovery from waste activated sludge. <i>Chemosphere</i> , 2018, 213, 276-284.	8.2	70
508	Alginate-modified biochar derived from Ca(II)-impregnated biomass: Excellent anti-interference ability for Pb(II) removal. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 211-218.	6.0	45
509	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
510	A review on removal of siloxanes from biogas: with a special focus on volatile methylsiloxanes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30847-30862.	5.3	58
511	Evaluation of Regionalization of Soil and Water Conservation in China. <i>Sustainability</i> , 2018, 10, 3320.	3.2	8
512	Production of fuel pellets via hydrothermal carbonization of food waste using molasses as a binder. <i>Waste Management</i> , 2018, 77, 185-194.	7.4	71
513	Zirconium-based metal organic frameworks loaded on polyurethane foam membrane for simultaneous removal of dyes with different charges. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 267-279.	9.4	94
514	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
515	The complexation of rhizosphere and nonrhizosphere soil organic matter with chromium: Using elemental analysis combined with FTIR spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2018, 154, 52-58.	6.0	37
516	Effect of surfactants on the interaction of phenol with laccase: Molecular docking and molecular dynamics simulation studies. <i>Journal of Hazardous Materials</i> , 2018, 357, 10-18.	12.4	68
517	Recent advances in research on cyclic volatile methylsiloxanes in sediment, soil and biosolid: a review. <i>Chemistry and Ecology</i> , 2018, 34, 675-695.	1.6	9
518	The road to wild yak protection in China. <i>Science</i> , 2018, 360, 866-866.	12.6	16
519	Nitrogen doped carbon quantum dots mediated silver phosphate/bismuth vanadate Z-scheme photocatalyst for enhanced antibiotic degradation. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 11-22.	9.4	81
520	Graphitic Carbon Nitride-Based Heterojunction Photoactive Nanocomposites: Applications and Mechanism Insight. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21035-21055.	8.0	266
521	Activated magnetic biochar by one-step synthesis: Enhanced adsorption and coadsorption for 17 β -estradiol and copper. <i>Science of the Total Environment</i> , 2018, 639, 1530-1542.	8.0	142
522	Antibiotic removal from water: A highly efficient silver phosphate-based Z-scheme photocatalytic system under natural solar light. <i>Science of the Total Environment</i> , 2018, 639, 1462-1470.	8.0	35

#	ARTICLE	IF	CITATIONS
523	Feasibility of enhancing short-chain fatty acids production from sludge anaerobic fermentation at free nitrous acid pretreatment: Role and significance of Tea saponin. <i>Bioresource Technology</i> , 2018, 254, 194-202.	9.6	79
524	How does free ammonia-based sludge pretreatment improve methane production from anaerobic digestion of waste activated sludge. <i>Chemosphere</i> , 2018, 206, 491-501.	8.2	50
525	Modified stannous sulfide nanoparticles with metal-organic framework: Toward efficient and enhanced photocatalytic reduction of chromium (VI) under visible light. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 481-492.	9.4	89
526	Facile Hydrothermal Synthesis of ZrO_2 -Scheme Bi_2O_3 - Fe_3O_4 - WO_6 Heterojunction Photocatalyst with Enhanced Visible Light Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18824-18836.	8.0	397
527	Cu-Doped $Fe@Fe_2O_3$ core-shell nanoparticle shifted oxygen reduction pathway for high-efficiency arsenic removal in smelting wastewater. <i>Environmental Science: Nano</i> , 2018, 5, 1595-1607.	4.3	52
528	Promoting Effect of ZSM-5 Catalyst on Carbonization via Hydrothermal Conversion of Sewage Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9461-9469.	6.7	20
529	Synergistic effect of free nitrite acid integrated with biosurfactant alkyl polyglucose on sludge anaerobic fermentation. <i>Waste Management</i> , 2018, 78, 310-317.	7.4	17
530	Quorum quenching bacteria encapsulated in PAC-PVA beads for enhanced membrane antifouling properties. <i>Enzyme and Microbial Technology</i> , 2018, 117, 72-78.	3.2	14
531	Carbon nanotube-based environmental technologies: the adopted properties, primary mechanisms, and challenges. <i>Reviews in Environmental Science and Biotechnology</i> , 2018, 17, 571-590.	8.1	48
532	Responses of microbial carbon metabolism and function diversity induced by complex fungal enzymes in lignocellulosic waste composting. <i>Science of the Total Environment</i> , 2018, 643, 539-547.	8.0	24
533	Removal of Cd(II) by MEUF-FF with anionic-nonionic mixture at low concentration. <i>Separation and Purification Technology</i> , 2018, 207, 199-205.	7.9	24
534	Advancement of Ag-Graphene Based Nanocomposites: An Overview of Synthesis and Its Applications. <i>Small</i> , 2018, 14, e1800871.	10.0	108
535	Investigating organic matter properties affecting the binding behavior of heavy metals in the rhizosphere of wetlands. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 184-191.	6.0	44
536	Silver nanomaterials in the natural environment: An overview of their biosynthesis and kinetic behavior. <i>Science of the Total Environment</i> , 2018, 643, 1325-1336.	8.0	12
537	Current Progress in Aptasensors for Heavy Metal Ions Based on Photoelectrochemical Method: A Review. <i>Current Analytical Chemistry</i> , 2018, 14, .	1.2	32
538	Selective prepared carbon nanomaterials for advanced photocatalytic application in environmental pollutant treatment and hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 408-424.	20.2	386
539	Honeycomb-like carbon nitride through supramolecular preorganization of monomers for high photocatalytic performance under visible light irradiation. <i>Chemosphere</i> , 2018, 211, 324-334.	8.2	48
540	Advanced photocatalytic Fenton-like process over biomimetic hemin- Bi_2WO_6 with enhanced pH. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 184-192.	5.3	132

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541	Effects of rhamnolipids on the removal of 2,4,2,4-tetrabrominated biphenyl ether (BDE-47) by <i>Phanerochaete chrysosporium</i> analyzed with a combined approach of experiments and molecular docking. <i>Chemosphere</i> , 2018, 210, 922-930.	8.2	38
542	Effects of Fe(III)-fulvic acid on Cu removal via adsorption versus coprecipitation. <i>Chemosphere</i> , 2018, 197, 291-298.	8.2	60
543	Stable, metal-free, visible-light-driven photocatalyst for efficient removal of pollutants: Mechanism of action. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 433-443.	9.4	56
544	Improved methane production from waste activated sludge by combining free ammonia with heat pretreatment: Performance, mechanisms and applications. <i>Bioresource Technology</i> , 2018, 268, 230-236.	9.6	77
545	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
546	Where will threatened migratory birds go under climate change? Implications for China's national nature reserves. <i>Science of the Total Environment</i> , 2018, 645, 1040-1047.	8.0	34
547	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
548	Antioxidative response of <i>Phanerochaete chrysosporium</i> against silver nanoparticle-induced toxicity and its potential mechanism. <i>Chemosphere</i> , 2018, 211, 573-583.	8.2	83
549	Sulfamethazine (SMZ) affects fermentative short-chain fatty acids production from waste activated sludge. <i>Science of the Total Environment</i> , 2018, 639, 1471-1479.	8.0	51
550	Semiconductor/boron nitride composites: Synthesis, properties, and photocatalysis applications. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 6-18.	20.2	289
551	Feasibility of enhancing short-chain fatty acids production from waste activated sludge after free ammonia pretreatment: Role and significance of rhamnolipid. <i>Bioresource Technology</i> , 2018, 267, 141-148.	9.6	70
552	Difunctional chitosan-stabilized Fe/Cu bimetallic nanoparticles for removal of hexavalent chromium wastewater. <i>Science of the Total Environment</i> , 2018, 644, 1181-1189.	8.0	76
553	Evaluation of the clean characteristics and combustion behavior of hydrochar derived from food waste towards solid biofuel production. <i>Bioresource Technology</i> , 2018, 266, 275-283.	9.6	87
554	Efficient visible-light driven photocatalyst, silver (meta)vanadate: Synthesis, morphology and modification. <i>Chemical Engineering Journal</i> , 2018, 352, 782-802.	12.7	65
555	An exploration of an integrated stochastic-fuzzy pollution assessment for heavy metals in urban topsoil based on metal enrichment and bioaccessibility. <i>Science of the Total Environment</i> , 2018, 644, 649-660.	8.0	65
556	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
557	Superhydrophobic kaolinite modified graphene oxide-melamine sponge with excellent properties for oil-water separation. <i>Applied Clay Science</i> , 2018, 163, 63-71.	5.2	47
558	One-step in situ synthesis of CdS/SnO ₂ heterostructure with excellent photocatalytic performance for Cr(VI) reduction and tetracycline degradation. <i>Chemical Engineering Journal</i> , 2018, 352, 863-875.	12.7	115

#	ARTICLE	IF	CITATIONS
559	Comprehensive Adsorption Studies of Doxycycline and Ciprofloxacin Antibiotics by Biochars Prepared at Different Temperatures. <i>Frontiers in Chemistry</i> , 2018, 6, 80.	3.6	143
560	Toxicity of carbon nanomaterials to plants, animals and microbes: Recent progress from 2015-present. <i>Chemosphere</i> , 2018, 206, 255-264.	8.2	122
561	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
562	Biofouling control and sludge properties promotion through quorum quenching in membrane bioreactors at two aeration intensities. <i>Biotechnology Letters</i> , 2018, 40, 1067-1075.	2.2	11
563	Metal-organic frameworks for highly efficient heterogeneous Fenton-like catalysis. <i>Coordination Chemistry Reviews</i> , 2018, 368, 80-92.	18.8	401
564	Construction of Direct Z-Scheme Ag ₂ Sn ₂ O ₇ Nanojunction System with Enhanced Photocatalytic Activity: Accelerated Interfacial Charge Transfer Induced Efficient Cr(VI) Reduction, Tetracycline Degradation and <i>Escherichia coli</i> Inactivation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8003-8018.	6.7	171
565	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
566	Self-powered photoelectrochemical aptasensor based on phosphorus doped porous ultrathin g-C ₃ N ₄ nanosheets enhanced by surface plasmon resonance effect. <i>Biosensors and Bioelectronics</i> , 2018, 121, 19-26.	10.1	104
567	A new exploration of health risk assessment quantification from sources of soil heavy metals under different land use. <i>Environmental Pollution</i> , 2018, 243, 49-58.	7.5	169
568	Enhanced photocatalytic activity of CdS/SnS ₂ nanocomposite with highly-efficient charge transfer and visible light utilization for selective reduction of 4-nitroaniline. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 557-570.	9.4	37
569	Fate of pharmaceuticals during membrane bioreactor treatment: Status and perspectives. <i>Bioresource Technology</i> , 2018, 268, 733-748.	9.6	76
570	Recent advances in synthesis, modification and photocatalytic applications of micro/nano-structured zinc indium sulfide. <i>Chemical Engineering Journal</i> , 2018, 354, 407-431.	12.7	171
571	Free nitrous acid promotes hydrogen production from dark fermentation of waste activated sludge. <i>Water Research</i> , 2018, 145, 113-124.	11.3	137
572	Core-shell Ag ₂ CrO ₄ /N-GQDs@g-C ₃ N ₄ composites with anti-photocorrosion performance for enhanced full-spectrum-light photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 525-536.	20.2	147
573	The effect of several activated biochars on Cd immobilization and microbial community composition during in-situ remediation of heavy metal contaminated sediment. <i>Chemosphere</i> , 2018, 208, 655-664.	8.2	113
574	Promotional removal of HCHO from simulated flue gas over Mn-Fe oxides modified activated coke. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 37-48.	20.2	132
575	Conservation accord: Let countries govern. <i>Science</i> , 2018, 360, 1195-1195.	12.6	0
576	Highly efficient extraction of lead ions from smelting wastewater, slag and contaminated soil by two-dimensional montmorillonite-based surface ion imprinted polymer absorbent. <i>Chemosphere</i> , 2018, 209, 246-257.	8.2	40

#	ARTICLE	IF	CITATIONS
577	Roles of acid-producing bacteria in anaerobic digestion of waste activated sludge. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.0	69
578	The fate of cyanuric acid in biological wastewater treatment system and its impact on biological nutrient removal. <i>Journal of Environmental Management</i> , 2018, 206, 901-909.	7.8	24
579	Voltammetric Biosensor Based on Nitrogen-doped Ordered Mesoporous Carbon for Detection of Organophosphorus Pesticides in Vegetables. <i>Current Analytical Chemistry</i> , 2018, 15, 92-100.	1.2	4
580	Enhancing phosphate adsorption capacity of SDS-based magnetite by surface modification of citric acid. <i>Applied Surface Science</i> , 2017, 403, 413-425.	6.1	50
581	The impact of silver nanoparticles on the co-composting of sewage sludge and agricultural waste: Evolutions of organic matter and nitrogen. <i>Bioresource Technology</i> , 2017, 230, 132-139.	9.6	106
582	Synthesis, characterization and antibacterial performance of visible light-responsive Ag ₃ PO ₄ particles deposited on graphene nanosheets. <i>Chemical Engineering Research and Design</i> , 2017, 106, 246-255.	5.6	19
583	A visual application of gold nanoparticles: Simple, reliable and sensitive detection of kanamycin based on hydrogen-bonding recognition. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 946-954.	7.8	170
584	Biodegradation of Carbon Nanotubes, Graphene, and Their Derivatives. <i>Trends in Biotechnology</i> , 2017, 35, 836-846.	9.3	211
585	Immobilization of aqueous and sediment-sorbed ciprofloxacin by stabilized Fe-Mn binary oxide nanoparticles: Influencing factors and reaction mechanisms. <i>Chemical Engineering Journal</i> , 2017, 314, 612-621.	12.7	38
586	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.	12.7	223
587	SrTiO ₃ nanocubes decorated with Ag/AgCl nanoparticles as photocatalysts with enhanced visible-light photocatalytic activity towards the degradation of dyes, phenol and bisphenol A. <i>Environmental Science: Nano</i> , 2017, 4, 585-595.	4.3	172
588	Effect of multi-walled carbon nanotubes on phytotoxicity of sediments contaminated by phenanthrene and cadmium. <i>Chemosphere</i> , 2017, 172, 449-458.	8.2	82
589	Soil Organic Carbon Fractions and Stocks Respond to Restoration Measures in Degraded Lands by Water Erosion. <i>Environmental Management</i> , 2017, 59, 816-825.	2.7	20
590	Iron-Based Bimetallic Nanocatalysts for Highly Selective Hydrogenation of Acetylene in N,N-Dimethylformamide at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1668-1674.	6.7	14
591	The effects of rice straw biochar on indigenous microbial community and enzymes activity in heavy metal-contaminated sediment. <i>Chemosphere</i> , 2017, 174, 545-553.	8.2	267
592	New insights into the activity of a biochar supported nanoscale zerovalent iron composite and nanoscale zero valent iron under anaerobic or aerobic conditions. <i>RSC Advances</i> , 2017, 7, 8755-8761.	3.6	50
593	Understanding enzymatic degradation of single-walled carbon nanotubes triggered by functionalization using molecular dynamics simulation. <i>Environmental Science: Nano</i> , 2017, 4, 720-727.	4.3	42
594	Degradation of trichloroethene by nanoscale zero-valent iron (nZVI) and nZVI activated persulfate in the absence and presence of EDTA. <i>Chemical Engineering Journal</i> , 2017, 316, 410-418.	12.7	91

#	ARTICLE	IF	CITATIONS
595	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.	9.4	267
596	Sensitive and selective detection of glutathione based on anti-catalytical growth of gold nanoparticles colorimetric sensor. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 71-84.	3.3	6
597	Electrocoagulation treatment of arsenic in wastewaters: A comprehensive review. <i>Chemical Engineering Journal</i> , 2017, 317, 707-725.	12.7	245
598	Is denitrifying anaerobic methane oxidation-centered technologies a solution for the sustainable operation of wastewater treatment Plants?. <i>Bioresource Technology</i> , 2017, 234, 456-465.	9.6	117
599	The rapid degradation of bisphenol A induced by the response of indigenous bacterial communities in sediment. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3919-3928.	3.6	34
600	Effects of calcium at toxic concentrations of cadmium in plants. <i>Planta</i> , 2017, 245, 863-873.	3.2	169
601	Plasmonic Bi nanoparticles and BiOCl sheets as cocatalyst deposited on perovskite-type ZnSn(OH) 6 microparticle with facet-oriented polyhedron for improved visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 543-553.	20.2	151
602	AgI nanoparticles-decorated CeO 2 microsheets photocatalyst for the degradation of organic dye and tetracycline under visible-light irradiation. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 368-377.	9.4	106
603	Wastewater Opportunities for Denitrifying Anaerobic Methane Oxidation. <i>Trends in Biotechnology</i> , 2017, 35, 799-802.	9.3	85
604	Biodegradation of 3,5-dimethyl-2,4-dichlorophenol in saline wastewater by newly isolated <i>Penicillium</i> sp. yz11-22N2. <i>Journal of Environmental Sciences</i> , 2017, 57, 211-220.	6.1	25
605	Sequestration of HCHs and DDTs in sediments in Dongting Lake of China with multiwalled carbon nanotubes: implication for in situ sequestration. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7726-7739.	5.3	3
606	Enhancement of As(V) adsorption from aqueous solution by a magnetic chitosan/biochar composite. <i>RSC Advances</i> , 2017, 7, 10891-10900.	3.6	106
607	Stabilization of nanoscale zero-valent iron (nZVI) with modified biochar for Cr(VI) removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2017, 332, 79-86.	12.4	497
608	Simultaneous removal of atrazine and copper using polyacrylic acid-functionalized magnetic ordered mesoporous carbon from water: adsorption mechanism. <i>Scientific Reports</i> , 2017, 7, 43831.	3.3	49
609	Cadmium-containing quantum dots: properties, applications, and toxicity. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2713-2733.	3.6	102
610	Remediation of organochlorine pesticides contaminated lake sediment using activated carbon and carbon nanotubes. <i>Chemosphere</i> , 2017, 177, 65-76.	8.2	49
611	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.	20.2	390
612	Vermicompost as a natural adsorbent: evaluation of simultaneous metals (Pb, Cd) and tetracycline adsorption by sewage sludge-derived vermicompost. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8375-8384.	5.3	30

#	ARTICLE	IF	CITATIONS
613	Heterogeneous activation of peroxymonosulfate by Fe-Co layered doubled hydroxide for efficient catalytic degradation of Rhoadmine B. <i>Chemical Engineering Journal</i> , 2017, 321, 222-232.	12.7	344
614	Exploiting extracellular polymeric substances (EPS) controlling strategies for performance enhancement of biological wastewater treatments: An overview. <i>Chemosphere</i> , 2017, 180, 396-411.	8.2	349
615	Titanium dioxide nanotube arrays with silane coupling agent modification for heavy metal reduction and persistent organic pollutant degradation. <i>New Journal of Chemistry</i> , 2017, 41, 4377-4389.	2.8	22
616	Controlled Growth of BiOCl with Large {010} Facets for Dye Self-Photosensitization Photocatalytic Fuel Cells Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4619-4629.	6.7	76
617	Approach of describing dynamic production of volatile fatty acids from sludge alkaline fermentation. <i>Bioresource Technology</i> , 2017, 238, 343-351.	9.6	73
618	Cross-linking to prepare composite graphene oxide-framework membranes with high-flux for dyes and heavy metal ions removal. <i>Chemical Engineering Journal</i> , 2017, 322, 657-666.	12.7	223
619	Biological technologies for the remediation of co-contaminated soil. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 1062-1076.	9.0	423
620	Changes in heavy metal mobility and availability from contaminated wetland soil remediated with combined biochar-compost. <i>Chemosphere</i> , 2017, 181, 281-288.	8.2	298
621	Effects of rhamnolipids on microorganism characteristics and applications in composting: A review. <i>Microbiological Research</i> , 2017, 200, 33-44.	5.3	133
622	Fabrication of SnO ₂ Nanoparticles/BiOI nâ€“p Heterostructure for Wider Spectrum Visible-Light Photocatalytic Degradation of Antibiotic Oxytetracycline Hydrochloride. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5134-5147.	6.7	223
623	Chitosan-wrapped gold nanoparticles for hydrogen-bonding recognition and colorimetric determination of the antibiotic kanamycin. <i>Mikrochimica Acta</i> , 2017, 184, 2097-2105.	5.0	79
624	Fabrication of water-compatible molecularly imprinted polymer based on Î²-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	69
625	Plasmonic resonance excited dual Z-scheme BiVO ₄ /Ag/Cu ₂ O nanocomposite: synthesis and mechanism for enhanced photocatalytic performance in recalcitrant antibiotic degradation. <i>Environmental Science: Nano</i> , 2017, 4, 1494-1511.	4.3	202
626	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.	10.0	379
627	Adsorption of Estrogen Contaminants by Graphene Nanomaterials under Natural Organic Matter Preloading: Comparison to Carbon Nanotube, Biochar, and Activated Carbon. <i>Environmental Science & Technology</i> , 2017, 51, 6352-6359.	10.0	151
628	Amorphous MnO ₂ Modified Biochar Derived from Aerobically Composted Swine Manure for Adsorption of Pb(II) and Cd(II). <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5049-5058.	6.7	372
629	Synthesis of Ag/AgCl hollow spheres based on the Cu ₂ O nanospheres as template and their excellent photocatalytic property. <i>Molecular Catalysis</i> , 2017, 436, 100-110.	2.0	22
630	Highly enhanced visible light photocatalytic activity of CeO ₂ through fabricating a novel p-n junction BiOBr/CeO ₂ . <i>Catalysis Communications</i> , 2017, 90, 51-55.	3.3	121

#	ARTICLE	IF	CITATIONS
631	A Fluorescence Sensor for Lead (II) Ions Determination Based on Label-Free Gold Nanoparticles (GNPs)-DNAzyme Using Time-Gated Mode in Aqueous Solution. <i>Journal of Fluorescence</i> , 2017, 27, 643-649.	2.5	23
632	Carbon nanotube amendment for treating dichlorodiphenyltrichloroethane and hexachlorocyclohexane remaining in Dong-ting Lake sediment – An implication for in-situ remediation. <i>Science of the Total Environment</i> , 2017, 579, 283-291.	8.0	15
633	Highly effective antibacterial activity by the synergistic effect of three dimensional ordered mesoporous carbon-lysozyme composite. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 131-141.	9.4	19
634	Potential impact of salinity on methane production from food waste anaerobic digestion. <i>Waste Management</i> , 2017, 67, 308-314.	7.4	123
635	Applications of white rot fungi in bioremediation with nanoparticles and biosynthesis of metallic nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4853-4862.	3.6	44
636	Graphene sponge decorated with copper nanoparticles as a novel bactericidal filter for inactivation of <i>Escherichia coli</i> . <i>Chemosphere</i> , 2017, 184, 347-357.	8.2	42
637	Effective removal of colourless pollutants and organic dyes by Ag@AgCl nanoparticle-modified CaSn(OH) ₆ composite under visible light irradiation. <i>New Journal of Chemistry</i> , 2017, 41, 5334-5346.	2.8	38
638	Organic matters removal from landfill leachate by immobilized <i>Phanerochaete chrysosporium</i> loaded with graphitic carbon nitride under visible light irradiation. <i>Chemosphere</i> , 2017, 184, 1071-1079.	8.2	36
639	Precipitation, adsorption and rhizosphere effect: The mechanisms for Phosphate-induced Pb immobilization in soils – A review. <i>Journal of Hazardous Materials</i> , 2017, 339, 354-367.	12.4	327
640	Influence of biochar on heavy metals and microbial community during composting of river sediment with agricultural wastes. <i>Bioresource Technology</i> , 2017, 243, 347-355.	9.6	119
641	Visible-light photocatalytic degradation of multiple antibiotics by AgI nanoparticle-sensitized Bi ₅ O ₇ I microspheres: Enhanced interfacial charge transfer based on Z-scheme heterojunctions. <i>Journal of Catalysis</i> , 2017, 352, 160-170.	6.2	92
642	Phosphorus- and Sulfur-Codoped g-C ₃ N ₄ : Facile Preparation, Mechanism Insight, and Application as Efficient Photocatalyst for Tetracycline and Methyl Orange Degradation under Visible Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5831-5841.	6.7	337
643	Polyurethane foam membranes filled with humic acid-chitosan crosslinked gels for selective and simultaneous removal of dyes. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 67-78.	9.4	64
644	Iron Containing Metal-Organic Frameworks: Structure, Synthesis, and Applications in Environmental Remediation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20255-20275.	8.0	250
645	Single and combined removal of Cr(VI) and Cd(II) by nanoscale zero-valent iron in the absence and presence of EDDS. <i>Water Science and Technology</i> , 2017, 76, 1261-1271.	2.5	9
646	Interactions of carbon nanotubes and/or graphene with manganese peroxidase during biodegradation of endocrine disruptors and triclosan. <i>Chemosphere</i> , 2017, 184, 127-136.	8.2	41
647	Role of biochar on composting of organic wastes and remediation of contaminated soils – a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16560-16577.	5.3	176
648	Ag/AgCl nanoparticles-modified CdSnO ₃ ·3H ₂ O nanocubes photocatalyst for the degradation of methyl orange and antibiotics under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 96-104.	9.4	33

#	ARTICLE	IF	CITATIONS
649	Doping of graphitic carbon nitride for photocatalysis: A review. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 388-406.	20.2	1,194
650	Hydrothermal carbonisation of sewage sludge for char production with different waste biomass: Effects of reaction temperature and energy recycling. <i>Energy</i> , 2017, 127, 167-174.	8.8	131
651	Stability, transport and ecosystem effects of graphene in water and soil environments. <i>Nanoscale</i> , 2017, 9, 5370-5388.	5.6	75
652	Efficient removal of HCHO from simulated coal combustion flue gas using CuO-CeO ₂ supported on cylindrical activated coke. <i>Fuel</i> , 2017, 197, 397-406.	6.4	40
653	Magnetic separate "turn-on" fluorescent biosensor for Bisphenol A based on magnetic oxidation graphene. <i>Talanta</i> , 2017, 168, 196-202.	5.5	37
654	Repeating recovery and reuse of SDS micelles from MEUF retentate containing Cd ²⁺ by acidification UF. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 361-368.	4.7	40
655	Adsorption of emerging contaminant metformin using graphene oxide. <i>Chemosphere</i> , 2017, 179, 20-28.	8.2	129
656	Transport of bacteria in porous media and its enhancement by surfactants for bioaugmentation: A review. <i>Biotechnology Advances</i> , 2017, 35, 490-504.	11.7	77
657	Spatial distribution and source identification of heavy metals in surface soils in a typical coal mine city, Lianyuan, China. <i>Environmental Pollution</i> , 2017, 225, 681-690.	7.5	416
658	Treatment of arsenic in acid wastewater and river sediment by Fe@Fe ₂ O ₃ nanobunches: The effect of environmental conditions and reaction mechanism. <i>Water Research</i> , 2017, 117, 175-186.	11.3	169
659	Carbon nanotube-impeded transport of non-steroidal anti-inflammatory drugs in Xiangjiang sediments. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 229-238.	9.4	3
660	Facile synthesis of Cu(II) impregnated biochar with enhanced adsorption activity for the removal of doxycycline hydrochloride from water. <i>Science of the Total Environment</i> , 2017, 592, 546-553.	8.0	154
661	Novel p-n heterojunction BiOI/CeO ₂ photocatalyst for wider spectrum visible-light photocatalytic degradation of refractory pollutants. <i>Dalton Transactions</i> , 2017, 46, 4982-4993.	3.3	123
662	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.	20.2	158
663	Insight into highly efficient co-removal of p-nitrophenol and lead by nitrogen-functionalized magnetic ordered mesoporous carbon: Performance and modelling. <i>Journal of Hazardous Materials</i> , 2017, 333, 80-87.	12.4	167
664	Cu(II)-influenced adsorption of ciprofloxacin from aqueous solutions by magnetic graphene oxide/nitrilotriacetic acid nanocomposite: Competition and enhancement mechanisms. <i>Chemical Engineering Journal</i> , 2017, 319, 219-228.	12.7	157
665	Facile preparation of magnetic chitosan modified with thiosemicarbazide for adsorption of copper ions from aqueous solution. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	6
666	Biochar as potential sustainable precursors for activated carbon production: Multiple applications in environmental protection and energy storage. <i>Bioresource Technology</i> , 2017, 227, 359-372.	9.6	487

#	ARTICLE	IF	CITATIONS
667	Are silver nanoparticles always toxic in the presence of environmental anions?. <i>Chemosphere</i> , 2017, 171, 318-323.	8.2	23
668	Influence of pH on heavy metal speciation and removal from wastewater using micellar-enhanced ultrafiltration. <i>Chemosphere</i> , 2017, 173, 199-206.	8.2	202
669	A label-free GRa5DNAzyme sensor for lead ions detection based on nanoporous gold and anionic intercalator. <i>Talanta</i> , 2017, 165, 274-281.	5.5	18
670	Effect of low concentration rhamnolipid biosurfactant on <i>Pseudomonas aeruginosa</i> transport in natural porous media. <i>Water Resources Research</i> , 2017, 53, 361-375.	4.2	25
671	Novel ternary heterojunction photocatalyst of Ag nanoparticles and g-C ₃ N ₄ nanosheets co-modified BiVO ₄ for wider spectrum visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 133-147.	20.2	343
672	Spatial distribution and transport characteristics of heavy metals around an antimony mine area in central China. <i>Chemosphere</i> , 2017, 170, 17-24.	8.2	127
673	Effects of different ratios of glucose to acetate on phosphorus removal and microbial community of enhanced biological phosphorus removal (EBPR) system. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4494-4505.	5.3	18
674	Risk management for optimal land use planning integrating ecosystem services values: A case study in Changsha, Middle China. <i>Science of the Total Environment</i> , 2017, 579, 1675-1682.	8.0	92
675	Synthesis of Pd/Au bimetallic nanoparticle-loaded ultrathin graphitic carbon nitride nanosheets for highly efficient catalytic reduction of p-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 834-843.	9.4	85
676	Effect of land use pattern change from paddy soil to vegetable soil on the adsorption-desorption of cadmium by soil aggregates. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2734-2743.	5.3	46
677	Biodiversity change behind wide applications of nanomaterials?. <i>Nano Today</i> , 2017, 17, 11-13.	11.9	43
678	Study of the photocatalytic degradation pathway of norfloxacin and mineralization activity using a novel ternary Ag/AgCl-CeO ₂ photocatalyst. <i>Journal of Catalysis</i> , 2017, 355, 73-86.	6.2	195
679	Acetic Acid and Sodium Hydroxide-Aided Hydrothermal Carbonization of Woody Biomass for Enhanced Pelletization and Fuel Properties. <i>Energy & Fuels</i> , 2017, 31, 12200-12208.	5.1	61
680	Concentration and Exposure Evaluation of Perchlorate in Size-Segregated Airborne Particulate Matter from Changsha, China. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	5
681	Effect of sewage sludge hydrochar on soil properties and Cd immobilization in a contaminated soil. <i>Chemosphere</i> , 2017, 189, 627-633.	8.2	48
682	Co-occurrence and interactions of pollutants, and their impacts on soil remediation—A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1528-1553.	12.8	335
683	Triclocarban enhances short-chain fatty acids production from anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2017, 127, 150-161.	11.3	150
684	Lead-induced oxidative stress and antioxidant response provide insight into the tolerance of <i>Phanerochaete chrysosporium</i> to lead exposure. <i>Chemosphere</i> , 2017, 187, 70-77.	8.2	58

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685	Interaction of carbon nanotubes with microbial enzymes: conformational transitions and potential toxicity. <i>Environmental Science: Nano</i> , 2017, 4, 1954-1960.	4.3	40
686	Enhanced adsorption of hexavalent chromium by a biochar derived from ramie biomass (<i>Boehmeria</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Pollution Research, 2017, 24, 23528-23537.	5.3	30
687	Stabilized Nanoscale Zerovalent Iron Mediated Cadmium Accumulation and Oxidative Damage of <i>Boehmeria nivea</i> (L.) Gaudich Cultivated in Cadmium Contaminated Sediments. <i>Environmental Science & Technology</i> , 2017, 51, 11308-11316.	10.0	248
688	Atmospheric deposition of mercury and cadmium impacts on topsoil in a typical coal mine city, Lianyuan, China. <i>Chemosphere</i> , 2017, 189, 198-205.	8.2	60
689	Novel insights into the coagulation process for pharmaceutical wastewater treatment with fluorescence EEMs-PARAFAC. <i>Water Science and Technology</i> , 2017, 76, 3246-3257.	2.5	4
690	Highly efficient visible-light-induced photoactivity of Z-scheme $Ag_2CO_3/Ag/WO_3$ photocatalysts for organic pollutant degradation. <i>Environmental Science: Nano</i> , 2017, 4, 2175-2185.	4.3	121
691	How Do Enzymes Meet Nanoparticles and Nanomaterials?. <i>Trends in Biochemical Sciences</i> , 2017, 42, 914-930.	7.5	144
692	Comprehensive evaluation of the cytotoxicity of CdSe/ZnS quantum dots in <i>Phanerochaete chrysosporium</i> by cellular uptake and oxidative stress. <i>Environmental Science: Nano</i> , 2017, 4, 2018-2029.	4.3	81
693	Feedwater pH affects phosphorus transformation during hydrothermal carbonization of sewage sludge. <i>Bioresource Technology</i> , 2017, 245, 182-187.	9.6	107
694	Removal of trichloroethylene by biochar supported nanoscale zero-valent iron in aqueous solution. <i>Separation and Purification Technology</i> , 2017, 188, 188-196.	7.9	102
695	Aged refuse enhances anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2017, 123, 724-733.	11.3	136
696	Competitive adsorption of Pb(II), Cd(II) and Cu(II) onto chitosan-pyromellitic dianhydride modified biochar. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 355-364.	9.4	342
697	Environment-friendly fullerene separation methods. <i>Chemical Engineering Journal</i> , 2017, 330, 134-145.	12.7	73
698	Evaluating the potential impact of hydrochar on the production of short-chain fatty acid from sludge anaerobic digestion. <i>Bioresource Technology</i> , 2017, 246, 234-241.	9.6	52
699	Understanding and mitigating the toxicity of cadmium to the anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2017, 124, 269-279.	11.3	157
700	Distribution and Conversion of Polycyclic Aromatic Hydrocarbons during the Hydrothermal Treatment of Sewage Sludge. <i>Energy & Fuels</i> , 2017, 31, 9542-9549.	5.1	14
701	Effect of alkaline microwaving pretreatment on anaerobic digestion and biogas production of swine manure. <i>Scientific Reports</i> , 2017, 7, 1668.	3.3	33
702	Sorptive removal of ionizable antibiotic sulfamethazine from aqueous solution by graphene oxide-coated biochar nanocomposites: Influencing factors and mechanism. <i>Chemosphere</i> , 2017, 186, 414-421.	8.2	158

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703	Fabrication of hydrochar functionalized Fe-Mn binary oxide nanocomposites: characterization and 17 β -estradiol removal. <i>RSC Advances</i> , 2017, 7, 37122-37129.	3.6	34
704	Investigation of the structure and reaction pathway of char obtained from sewage sludge with biomass wastes, using hydrothermal treatment. <i>Journal of Cleaner Production</i> , 2017, 166, 114-123.	9.3	79
705	Functionality of surfactants in waste-activated sludge treatment: A review. <i>Science of the Total Environment</i> , 2017, 609, 1433-1442.	8.0	100
706	Free nitrous acid-based nitrifying sludge treatment in a two-sludge system enhances nutrient removal from low-carbon wastewater. <i>Bioresource Technology</i> , 2017, 244, 920-928.	9.6	83
707	Bioaccumulation and toxicity of CdSe/ZnS quantum dots in <i>Phanerochaete chrysosporium</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 303-311.	5.0	25
708	Construction of Plasmonic Ag and Nitrogen-Doped Graphene Quantum Dots Codecorated Ultrathin Graphitic Carbon Nitride Nanosheet Composites with Enhanced Photocatalytic Activity: Full-Spectrum Response Ability and Mechanism Insight. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42816-42828.	8.0	152
709	Removal of Elemental Mercury from Simulated Flue Gas over Peanut Shells Carbon Loaded with Iodine Ions, Manganese Oxides, and Zirconium Dioxide. <i>Energy & Fuels</i> , 2017, 31, 13909-13920.	5.1	27
710	An in depth mechanism insight of the degradation of multiple refractory pollutants via a novel SrTiO ₃ /BiOI heterojunction photocatalysts. <i>Journal of Catalysis</i> , 2017, 356, 283-299.	6.2	105
711	Two-stage anoxic/oxic combined membrane bioreactor system for landfill leachate treatment: Pollutant removal performances and microbial community. <i>Bioresource Technology</i> , 2017, 243, 738-746.	9.6	72
712	Investigation on the reaction of phenolic pollutions to mono-rhamnolipid micelles using MEUF. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1230-1240.	5.3	17
713	Salicylic acid-methanol modified steel converter slag as heterogeneous Fenton-like catalyst for enhanced degradation of alachlor. <i>Chemical Engineering Journal</i> , 2017, 327, 686-693.	12.7	77
714	Effect of ciprofloxacin on biological nitrogen and phosphorus removal from wastewater. <i>Science of the Total Environment</i> , 2017, 605-606, 368-375.	8.0	127
715	Effect of <i>Phanerochaete chrysosporium</i> inoculation on bacterial community and metal stabilization in lead-contaminated agricultural waste composting. <i>Bioresource Technology</i> , 2017, 243, 294-303.	9.6	121
716	Spatiotemporal and species variations in prokaryotic communities associated with sediments from surface-flow constructed wetlands for treating swine wastewater. <i>Chemosphere</i> , 2017, 185, 1-10.	8.2	19
717	Synthesis and application of magnetic chlorapatite nanoparticles for zinc (II), cadmium (II) and lead (II) removal from water solutions. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 824-835.	9.4	43
718	Manganese-enhanced degradation of lignocellulosic waste by <i>Phanerochaete chrysosporium</i> : evidence of enzyme activity and gene transcription. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6541-6549.	3.6	21
719	Enhanced biological stabilization of heavy metals in sediment using immobilized sulfate reducing bacteria beads with inner cohesive nutrient. <i>Journal of Hazardous Materials</i> , 2017, 324, 340-347.	12.4	56
720	Adsorption of Cu(II), Pb(II), and Cd(II) Ions from Acidic Aqueous Solutions by Diethylenetriaminepentaacetic Acid-Modified Magnetic Graphene Oxide. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 407-416.	1.9	82

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721	Effect of Cu(II) ions on the enhancement of tetracycline adsorption by Fe ₃ O ₄ @SiO ₂ -Chitosan/graphene oxide nanocomposite. <i>Carbohydrate Polymers</i> , 2017, 157, 576-585.	10.2	245
722	The interactions of composting and biochar and their implications for soil amendment and pollution remediation: a review. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 754-764.	9.0	303
723	Reply for comment on "Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater". <i>Water Research</i> , 2017, 108, 464-465.	11.3	8
724	Insight into highly efficient simultaneous photocatalytic removal of Cr(VI) and 2,4-dichlorophenol under visible light irradiation by phosphorus doped porous ultrathin g-C ₃ N ₄ nanosheets from aqueous media: Performance and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 343-354.	20.2	513
725	Incentive effect of bentonite and concrete admixtures on stabilization/solidification for heavy metal-polluted sediments of Xiangjiang River. <i>Environmental Science and Pollution Research</i> , 2017, 24, 892-901.	5.3	20
726	A comparative study for the stabilisation of heavy metal contaminated sediment by limestone, MnO ₂ and natural zeolite. <i>Environmental Science and Pollution Research</i> , 2017, 24, 795-804.	5.3	29
727	Photocatalytic decomposition of Congo red under visible light irradiation using MgZnCr-TiO ₂ layered double hydroxide. <i>Chemosphere</i> , 2017, 168, 80-90.	8.2	58
728	Effect of rhamnolipid solubilization on hexadecane bioavailability: enhancement or reduction?. <i>Journal of Hazardous Materials</i> , 2017, 322, 394-401.	12.4	117
729	Preparation of melamine sponge decorated with silver nanoparticles-modified graphene for water disinfection. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 26-38.	9.4	73
730	The behavior of melamine in biological wastewater treatment system. <i>Journal of Hazardous Materials</i> , 2017, 322, 445-453.	12.4	41
731	Plasmonic Bi Metal Deposition and g-C ₃ N ₄ Coating on Bi ₂ WO ₆ Microspheres for Efficient Visible-Light Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1062-1072.	6.7	289
732	Degradation of landfill leachate compounds by persulfate for groundwater remediation. <i>Chemical Engineering Journal</i> , 2017, 307, 399-407.	12.7	67
733	Spatial health risk assessment and hierarchical risk management for mercury in soils from a typical contaminated site, China. <i>Environmental Geochemistry and Health</i> , 2017, 39, 923-934.	3.4	93
734	Photocatalytic Decontamination of Wastewater Containing Organic Dyes by Metal-Organic Frameworks and their Derivatives. <i>ChemCatChem</i> , 2017, 9, 41-64.	3.7	219
735	Combination of Fenton processes and biotreatment for wastewater treatment and soil remediation. <i>Science of the Total Environment</i> , 2017, 574, 1599-1610.	8.0	282
736	Facile synthesis of a novel full-spectrum-responsive Co ₂ S ₄ nanoparticles for UV-, vis- and NIR-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 104-111.	20.2	102
737	Synthesis and application of iron and zinc doped biochar for removal of p-nitrophenol in wastewater and assessment of the influence of co-existed Pb(II). <i>Applied Surface Science</i> , 2017, 392, 391-401.	6.1	148
738	A reusable electrochemical biosensor for highly sensitive detection of mercury ions with an anionic intercalator supported on ordered mesoporous carbon/self-doped polyaniline nanofibers platform. <i>Biochemical Engineering Journal</i> , 2017, 117, 7-14.	3.6	56

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739	Tetracycline absorbed onto nitrilotriacetic acid-functionalized magnetic graphene oxide: Influencing factors and uptake mechanism. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 269-279.	9.4	138
740	Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg ²⁺ -thymine base pairs for Hg ²⁺ detection. <i>Biosensors and Bioelectronics</i> , 2017, 90, 542-548.	10.1	98
741	Effective adsorption/electrocatalytic degradation of perchlorate using Pd/Pt supported on N-doped activated carbon fiber cathode. <i>Journal of Hazardous Materials</i> , 2017, 323, 602-610.	12.4	50
742	Hierarchical assembly of graphene-bridged Ag ₃ PO ₄ /Ag/BiVO ₄ (040) Z-scheme photocatalyst: An efficient, sustainable and heterogeneous catalyst with enhanced visible-light photoactivity towards tetracycline degradation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 330-342.	20.2	752
743	Influences of anion concentration and valence on dispersion and aggregation of titanium dioxide nanoparticles in aqueous solutions. <i>Journal of Environmental Sciences</i> , 2017, 54, 135-141.	6.1	42
744	Effect of nickel on the flocculability, settleability, and dewaterability of activated sludge. <i>Bioresource Technology</i> , 2017, 224, 188-196.	9.6	55
745	In-situ synthesis of visible-light-driven plasmonic Ag/AgCl-CdWO ₄ photocatalyst. <i>Ceramics International</i> , 2017, 43, 1922-1929.	4.8	54
746	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.	9.6	388
747	The interactions between nanoscale zero-valent iron and microbes in the subsurface environment: A review. <i>Journal of Hazardous Materials</i> , 2017, 321, 390-407.	12.4	207
748	Fabrication of β -cyclodextrin/poly (L-glutamic acid) supported magnetic graphene oxide and its adsorption behavior for 17 β -estradiol. <i>Chemical Engineering Journal</i> , 2017, 308, 597-605.	12.7	187
749	Toxicity mechanisms and synergies of silver nanoparticles in 2,4-dichlorophenol degradation by <i>Phanerochaete chrysosporium</i> . <i>Journal of Hazardous Materials</i> , 2017, 321, 37-46.	12.4	118
750	Characteristics of Particulate Pollution (PM _{2.5} and PM ₁₀) and Their Space-scale-Dependent Relationships with Meteorological Elements in China. <i>Sustainability</i> , 2017, 9, 2330.	3.2	36
751	Investigation, Pollution Mapping and Simulative Leakage Health Risk Assessment for Heavy Metals and Metalloids in Groundwater from a Typical Brownfield, Middle China. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 768.	2.6	51
752	Adsorption Removal of 17 β -Estradiol from Water by Rice Straw-Derived Biochar with Special Attention to Pyrolysis Temperature and Background Chemistry. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1213.	2.6	40
753	The comparison of Se(IV) and Se(VI) sequestration by nanoscale zero-valent iron in aqueous solutions: The roles of solution chemistry. <i>Journal of Hazardous Materials</i> , 2017, 338, 306-312.	12.4	57
754	Research Progress of Aqueous Pollutants Removal by Sulfidated Nanoscale Zero-valent Iron. <i>Acta Chimica Sinica</i> , 2017, 75, 575.	1.4	4
755	Determination of Cd ²⁺ and Pb ²⁺ Based on Mesoporous Carbon Nitride/Self-Doped Polyaniline Nanofibers and Square Wave Anodic Stripping Voltammetry. <i>Nanomaterials</i> , 2016, 6, 7.	4.1	45
756	Responses of bacterial community and functional marker genes of nitrogen cycling to biochar, compost and combined amendments in soil. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8583-8591.	3.6	140

#	ARTICLE	IF	CITATIONS
757	Determination of inequable fate and toxicity of Ag nanoparticles in a Phanerochaete chrysosporium biofilm system through different sulfide sources. <i>Environmental Science: Nano</i> , 2016, 3, 1027-1035.	4.3	25
758	Quantitative assessment of the contribution of climate variability and human activity to streamflow alteration in Dongting Lake, China. <i>Hydrological Processes</i> , 2016, 30, 1929-1939.	2.6	63
759	Promotion of ZnSn(OH) ₆ photoactivity by constructing heterojunction with Ag@Ag ₃ PO ₄ nanoparticles: Visible light elimination of single or multiple dyes. <i>Catalysis Communications</i> , 2016, 84, 137-141.	3.3	12
760	Removal of nutrients, organic matter, and metal from domestic secondary effluent through microalgae cultivation in a membrane photobioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2713-2719.	3.2	68
761	Facile fabrication of BiOIO ₃ /BiOBr composites with enhanced visible light photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 64617-64625.	3.6	20
762	Investigation of the adsorption-reduction mechanisms of hexavalent chromium by ramie biochars of different pyrolytic temperatures. <i>Bioresource Technology</i> , 2016, 218, 351-359.	9.6	286
763	Removal of Pb(II) from aqueous solution by magnetic humic acid/chitosan composites. <i>Journal of Central South University</i> , 2016, 23, 2809-2817.	3.0	11
764	One-pot synthesis of carbon supported calcined-Mg/Al layered double hydroxides for antibiotic removal by slow pyrolysis of biomass waste. <i>Scientific Reports</i> , 2016, 6, 39691.	3.3	107
765	Degradation of atrazine by a novel Fenton-like process and assessment the influence on the treated soil. <i>Journal of Hazardous Materials</i> , 2016, 312, 184-191.	12.4	168
766	Facile synthesis of Sb ₂ S ₃ /ultrathin g-C ₃ N ₄ sheets heterostructures embedded with g-C ₃ N ₄ quantum dots with enhanced NIR-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2016, 193, 36-46.	20.2	235
767	Impacts of human activity modes and climate on heavy metal spread in groundwater are biased. <i>Chemosphere</i> , 2016, 152, 439-445.	8.2	61
768	Efficient removal of naphthalene-2-ol from aqueous solutions by solvent extraction. <i>Journal of Environmental Sciences</i> , 2016, 47, 120-129.	6.1	14
769	Acyl-homoserine lactone-based quorum sensing and quorum quenching hold promise to determine the performance of biological wastewater treatments: An overview. <i>Chemosphere</i> , 2016, 157, 137-151.	8.2	204
770	Effects of modified zeolite on the removal and stabilization of heavy metals in contaminated lake sediment using BCR sequential extraction. <i>Journal of Environmental Management</i> , 2016, 178, 63-69.	7.8	137
771	An exploration of spatial human health risk assessment of soil toxic metals under different land uses using sequential indicator simulation. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 199-209.	6.0	40
772	Responses of soil microbial biomass and bacterial community structure to closed-off management (an) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 345-350.	2.2	19
773	Production of char from sewage sludge employing hydrothermal carbonization: Char properties, combustion behavior and thermal characteristics. <i>Fuel</i> , 2016, 176, 110-118.	6.4	306
774	Impact of carbon nanotubes on the mobility of sulfonamide antibiotics in sediments in the Xiangjiang River. <i>RSC Advances</i> , 2016, 6, 16941-16951.	3.6	13

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775	Traffic-related heavy metals uptake by wild plants grow along two main highways in Hunan Province, China: effects of soil factors, accumulation ability, and biological indication potential. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13368-13377.	5.3	26
776	Effects of heavy metals and soil physicochemical properties on wetland soil microbial biomass and bacterial community structure. <i>Science of the Total Environment</i> , 2016, 557-558, 785-790.	8.0	247
777	Aging study on carboxymethyl cellulose-coated zero-valent iron nanoparticles in water: Chemical transformation and structural evolution. <i>Journal of Hazardous Materials</i> , 2016, 312, 234-242.	12.4	84
778	DTC-GO as Effective Adsorbent for the Removal of Cu ²⁺ and Cd ²⁺ from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	15
779	Biochar-based nano-composites for the decontamination of wastewater: A review. <i>Bioresource Technology</i> , 2016, 212, 318-333.	9.6	654
780	Simultaneous removal of elemental mercury and NO from simulated flue gas using a CeO ₂ modified V ₂ O ₅ /WO ₃ /TiO ₂ catalyst. <i>Catalysis Science and Technology</i> , 2016, 6, 6076-6086.	4.1	56
781	A combined biological removal of Cd ²⁺ from aqueous solutions using <i>Phanerochaete chrysosporium</i> and rice straw. <i>Ecotoxicology and Environmental Safety</i> , 2016, 130, 87-92.	6.0	18
782	Antibacterial properties and mechanism of graphene oxide-silver nanocomposites as bactericidal agents for water disinfection. <i>Archives of Biochemistry and Biophysics</i> , 2016, 604, 167-176.	3.0	145
783	Synthesis of fern-like Ag/AgCl/CaTiO ₃ plasmonic photocatalysts and their enhanced visible-light photocatalytic properties. <i>RSC Advances</i> , 2016, 6, 47873-47882.	3.6	65
784	Improved biological phosphorus removal induced by anoxic/extended-idle process using glycerol and acetate at equal fractions. <i>RSC Advances</i> , 2016, 6, 86165-86173.	3.6	12
785	Compost as a Soil Amendment to Remediate Heavy Metal-Contaminated Agricultural Soil: Mechanisms, Efficacy, Problems, and Strategies. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	168
786	Biochar pyrolyzed from MgAl-layered double hydroxides pre-coated ramie biomass (<i>Boehmeria nivea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf . <i>Management</i> , 2016, 184, 85-93.	7.8	98
787	Single-walled carbon nanotube release affects the microbial enzyme-catalyzed oxidation processes of organic pollutants and lignin model compounds in nature. <i>Chemosphere</i> , 2016, 163, 217-226.	8.2	52
788	Synthesis and evaluation of a new class of stabilized nano-chlorapatite for Pb immobilization in sediment. <i>Journal of Hazardous Materials</i> , 2016, 320, 278-288.	12.4	118
789	Immobilization of Cd in river sediments by sodium alginate modified nanoscale zero-valent iron: Impact on enzyme activities and microbial community diversity. <i>Water Research</i> , 2016, 106, 15-25.	11.3	241
790	pH-dependent degradation of p-nitrophenol by sulfidated nanoscale zerovalent iron under aerobic or anoxic conditions. <i>Journal of Hazardous Materials</i> , 2016, 320, 581-590.	12.4	147
791	Treatment of anaerobically digested swine wastewater by <i>Rhodobacter blasticus</i> and <i>Rhodobacter capsulatus</i> . <i>Bioresource Technology</i> , 2016, 222, 33-38.	9.6	92
792	The adsorption mechanisms of ClO ₄ ⁻ onto highly graphited and hydrophobic porous carbonaceous materials from biomass. <i>RSC Advances</i> , 2016, 6, 93975-93984.	3.6	7

#	ARTICLE	IF	CITATIONS
793	The recovery of gallic acid from wastewater by extraction with tributyl phosphate/4-methyl-2-pentanone/n-hexane, tributyl phosphate/n-octanol/n-hexane and n-hexanol. RSC Advances, 2016, 6, 93626-93639.	3.6	10
794	Influence of silver nanoparticles on heavy metals of pore water in contaminated river sediments. Chemosphere, 2016, 162, 117-124.	8.2	24
795	Influence of morphological and chemical features of biochar on hydrogen peroxide activation: implications on sulfamethazine degradation. RSC Advances, 2016, 6, 73186-73196.	3.6	98
796	Catalytic and electrocatalytic reduction of perchlorate in water – A review. Chemical Engineering Journal, 2016, 306, 1081-1091.	12.7	43
797	Facile fabrication of a direct Z-scheme Ag ₂ CrO ₄ /g-C ₃ N ₄ photocatalyst with enhanced visible light photocatalytic activity. Journal of Molecular Catalysis A, 2016, 421, 209-221.	4.8	141
798	Degradation of hexadecane by Pseudomonas aeruginosa with the mediation of surfactants: Relation between hexadecane solubilization and bioavailability. International Biodeterioration and Biodegradation, 2016, 115, 141-145.	3.9	18
799	A novel graphene oxide coated biochar composite: synthesis, characterization and application for Cr(VI) removal. RSC Advances, 2016, 6, 85202-85212.	3.6	57
800	Stability of soil organic carbon and potential carbon sequestration at eroding and deposition sites. Journal of Soils and Sediments, 2016, 16, 1705-1717.	3.0	20
801	Microbiological study on bioremediation of 2,2,4,4-tetrabromodiphenyl ether (BDE-47) contaminated soil by agricultural waste composting. Applied Microbiology and Biotechnology, 2016, 100, 9709-9718.	3.6	20
802	Synthesis of surface molecular imprinted TiO ₂ /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
803	Catalytic reduction of hexavalent chromium by a novel nitrogen-functionalized magnetic ordered mesoporous carbon doped with Pd nanoparticles. Environmental Science and Pollution Research, 2016, 23, 22027-22036.	5.3	29
804	Utilization of LDH-based materials as potential adsorbents and photocatalysts for the decontamination of dyes wastewater: a review. RSC Advances, 2016, 6, 79415-79436.	3.6	141
805	Removal of metformin hydrochloride by Alternanthera philoxeroides biomass derived porous carbon materials treated with hydrogen peroxide. RSC Advances, 2016, 6, 79275-79284.	3.6	30
806	Enhanced visible light photocatalytic activity of CdMoO ₄ microspheres modified with AgI nanoparticles. Catalysis Communications, 2016, 86, 124-128.	3.3	31
807	Metal-based quantum dots: synthesis, surface modification, transport and fate in aquatic environments and toxicity to microorganisms. RSC Advances, 2016, 6, 78595-78610.	3.6	101
808	Composting of 4-nonylphenol-contaminated river sediment with inocula of Phanerochaete chrysosporium. Bioresource Technology, 2016, 221, 47-54.	9.6	40
809	Nanostructured core-shell electrode materials for electrochemical capacitors. Journal of Power Sources, 2016, 331, 408-425.	7.8	102
810	Enhancing Sewage Sludge Dewaterability by a Skeleton Builder: Biochar Produced from Sludge Cake Conditioned with Rice Husk Flour and FeCl ₃ . ACS Sustainable Chemistry and Engineering, 2016, 4, 5711-5717.	6.7	43

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811	Enhanced adsorption of methylene blue by citric acid modification of biochar derived from water hyacinth (<i>Eichornia crassipes</i>). <i>Environmental Science and Pollution Research</i> , 2016, 23, 23606-23618.	5.3	89
812	Cysteine-induced hormesis effect of silver nanoparticles. <i>Toxicology Research</i> , 2016, 5, 1268-1272.	2.1	11
813	Advanced landfill leachate treatment using iron-carbon microelectrolysis- Fenton process: Process optimization and column experiments. <i>Journal of Hazardous Materials</i> , 2016, 318, 460-467.	12.4	83
814	Effect of vermicomposting on concentration and speciation of heavy metals in sewage sludge with additive materials. <i>Bioresource Technology</i> , 2016, 218, 867-873.	9.6	117
815	Enhanced visible light photocatalytic performance of polyaniline modified mesoporous single crystal TiO ₂ microsphere. <i>Applied Surface Science</i> , 2016, 387, 882-893.	6.1	87
816	Revealing the Underlying Mechanisms of How Sodium Chloride Affects Short-Chain Fatty Acid Production from the Cofermentation of Waste Activated Sludge and Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4675-4684.	6.7	92
817	Challenges and solutions for biofiltration of hydrophobic volatile organic compounds. <i>Biotechnology Advances</i> , 2016, 34, 1091-1102.	11.7	320
818	Hydrothermal carbonization of sewage sludge: The effect of feed-water pH on fate and risk of heavy metals in hydrochars. <i>Bioresource Technology</i> , 2016, 218, 183-188.	9.6	128
819	Simultaneous total organic carbon and humic acid removals for landfill leachate using subcritical water catalytic oxidation based on response surface methodology. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	5
820	Combined Effect of Free Nitrous Acid Pretreatment and Sodium Dodecylbenzene Sulfonate on Short-Chain Fatty Acid Production from Waste Activated Sludge. <i>Scientific Reports</i> , 2016, 6, 21622.	3.3	31
821	Enhanced Photocatalytic Degradation of Tetracycline by AgI/BiVO ₄ Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32887-32900.	8.0	407
822	Electrochemical DNA sensing strategy based on strengthening electronic conduction and a signal amplifier carrier of nanoAu/MCN composited nanomaterials for sensitive lead detection. <i>Environmental Science: Nano</i> , 2016, 3, 1504-1509.	4.3	52
823	Influence of cysteine and bovine serum albumin on silver nanoparticle stability, dissolution, and toxicity to <i>Phanerochaete chrysosporium</i> . <i>RSC Advances</i> , 2016, 6, 106177-106185.	3.6	17
824	Performances, kinetics and mechanisms of catalytic oxidative desulfurization from oils. <i>RSC Advances</i> , 2016, 6, 103253-103269.	3.6	84
825	Sub-CMC solubilization of dodecane by rhamnolipid in saturated porous media. <i>Scientific Reports</i> , 2016, 6, 33266.	3.3	22
826	Selective removal of BPA from aqueous solution using molecularly imprinted polymers based on magnetic graphene oxide. <i>RSC Advances</i> , 2016, 6, 106201-106210.	3.6	49
827	Enhanced adsorptive removal of p-nitrophenol from water by aluminum metal-organic framework/reduced graphene oxide composite. <i>Scientific Reports</i> , 2016, 6, 25638.	3.3	134
828	Activity Variation of <i>Phanerochaete chrysosporium</i> under Nanosilver Exposure by Controlling of Different Sulfide Sources. <i>Scientific Reports</i> , 2016, 6, 20813.	3.3	23

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829	Polyhydroxyalkanoates in waste activated sludge enhances anaerobic methane production through improving biochemical methane potential instead of hydrolysis rate. <i>Scientific Reports</i> , 2016, 6, 19713.	3.3	22
830	Risk assessment of heavy metals from combustion of pelletized municipal sewage sludge. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3934-3942.	5.3	31
831	Assessing the influence of water level on schistosomiasis in Dongting Lake region before and after the construction of Three Gorges Dam. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 28.	2.7	13
832	Source Apportionment Coupled with Gas/Particle Partitioning Theory and Risk Assessment of Polycyclic Aromatic Hydrocarbons Associated with Size-Segregated Airborne Particulate Matter. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	20
833	The disinfection performance and mechanisms of Ag/lysozyme nanoparticles supported with montmorillonite clay. <i>Journal of Hazardous Materials</i> , 2016, 317, 416-429.	12.4	37
834	Cadmium accumulation and tolerance of <i>Macleaya cordata</i> : a newly potential plant for sustainable phytoremediation in Cd-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10189-10199.	5.3	48
835	New trends in removing heavy metals from wastewater. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6509-6518.	3.6	186
836	Enhancing the sludge dewaterability by electrolysis/electrocoagulation combined with zero-valent iron activated persulfate process. <i>Chemical Engineering Journal</i> , 2016, 303, 636-645.	12.7	207
837	Fast removal of tetracycline from wastewater by reduced graphene oxide prepared via microwave-assisted ethylenediamine- <i>N,N</i> -disuccinic acid induction method. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18657-18671.	5.3	37
838	Full-scale evaluation of aerobic/extended-idle regime inducing biological phosphorus removal and its integration with intermittent sand filter to treat domestic sewage discharged from highway rest area. <i>Biochemical Engineering Journal</i> , 2016, 113, 114-122.	3.6	55
839	Self-assembly Z-scheme heterostructured photocatalyst of Ag ₂ O@Ag-modified bismuth vanadate for efficient photocatalytic degradation of single and dual organic pollutants under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 60291-60307.	3.6	39
840	Nutrient removal and lipid production by <i>Coelastrella</i> sp. in anaerobically and aerobically treated swine wastewater. <i>Bioresource Technology</i> , 2016, 216, 135-141.	9.6	157
841	Study on the removal of elemental mercury from simulated flue gas by Fe ₂ O ₃ -CeO ₂ /AC at low temperature. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5099-5110.	5.3	60
842	Biochar to improve soil fertility. A review. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	5.3	633
843	Photo-reduction of bromate in drinking water by metallic Ag and reduced graphene oxide (RGO) jointly modified BiVO ₄ under visible light irradiation. <i>Water Research</i> , 2016, 101, 555-563.	11.3	170
844	One-pot self-assembly and photoreduction synthesis of silver nanoparticle-decorated reduced graphene oxide/MIL-125(Ti) photocatalyst with improved visible light photocatalytic activity. <i>Applied Organometallic Chemistry</i> , 2016, 30, 289-296.	3.5	149
845	Influence of operational mode, temperature, and planting on the performances of tidal flow constructed wetland. <i>Desalination and Water Treatment</i> , 2016, 57, 8007-8014.	1.0	2
846	Probing molecular basis of single-walled carbon nanotube degradation and nondegradation by enzymes based on manganese peroxidase and lignin peroxidase. <i>RSC Advances</i> , 2016, 6, 3592-3599.	3.6	27

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847	Effects of exogenous calcium and spermidine on cadmium stress moderation and metal accumulation in <i>Boehmeria nivea</i> (L.) Gaudich. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8699-8708.	5.3	54
848	Growth inhibition and oxidative damage of <i>Microcystis aeruginosa</i> induced by crude extract of <i>Sagittaria trifolia</i> tubers. <i>Journal of Environmental Sciences</i> , 2016, 43, 40-47.	6.1	49
849	High-efficiency visible-light AgI/Ag/Bi ₂ MoO ₆ as a Z-scheme photocatalyst for environmental applications. <i>RSC Advances</i> , 2016, 6, 10221-10228.	3.6	46
850	Production of biochars from Ca impregnated ramie biomass (<i>Boehmeria nivea</i> (L.) Gaud.) and their phosphate removal potential. <i>RSC Advances</i> , 2016, 6, 5871-5880.	3.6	82
851	Enhanced photocatalytic degradation of norfloxacin in aqueous Bi ₂ WO ₆ dispersions containing nonionic surfactant under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2016, 306, 295-304.	12.4	216
852	The use of microbial-earthworm ecofilters for wastewater treatment with special attention to influencing factors in performance: A review. <i>Bioresource Technology</i> , 2016, 200, 999-1007.	9.6	58
853	Granular activated carbon supported iron as a heterogeneous persulfate catalyst for the pretreatment of mature landfill leachate. <i>RSC Advances</i> , 2016, 6, 987-994.	3.6	39
854	Metal bioaccumulation, oxidative stress and antioxidant defenses in <i>Phanerochaete chrysosporium</i> response to Cd exposure. <i>Ecological Engineering</i> , 2016, 87, 150-156.	3.6	37
855	An efficient and green pretreatment to stimulate short-chain fatty acids production from waste activated sludge anaerobic fermentation using free nitrous acid. <i>Chemosphere</i> , 2016, 144, 160-167.	8.2	137
856	CdS/Cu ₂ S co-sensitized TiO ₂ branched nanorod arrays of enhanced photoelectrochemical properties by forming nanoscale heterostructure. <i>Journal of Alloys and Compounds</i> , 2016, 662, 516-527.	5.5	64
857	Heavy metals in road dust from Xiandao District, Changsha City, China: characteristics, health risk assessment, and integrated source identification. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13100-13113.	5.3	101
858	Efficacy of carbonaceous nanocomposites for sorbing ionizable antibiotic sulfamethazine from aqueous solution. <i>Water Research</i> , 2016, 95, 103-112.	11.3	326
859	Influence of different phosphates on adsorption and leaching of Cu and Zn in red soil. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 536-543.	4.2	18
860	Catalytic reduction-adsorption for removal of p-nitrophenol and its conversion p-aminophenol from water by gold nanoparticles supported on oxidized mesoporous carbon. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 78-85.	9.4	128
861	Complete bromate and nitrate reduction using hydrogen as the sole electron donor in a rotating biofilm-electrode reactor. <i>Journal of Hazardous Materials</i> , 2016, 307, 82-90.	12.4	25
862	Influence of fulvic acid on the colloidal stability and reactivity of nanoscale zero-valent iron. <i>Environmental Pollution</i> , 2016, 211, 363-369.	7.5	61
863	Oxidative desulfurization of dibenzothiophene using a catalyst of molybdenum supported on modified medicinal stone. <i>RSC Advances</i> , 2016, 6, 17036-17045.	3.6	78
864	Enhanced dewaterability of waste activated sludge by Fe(II)-activated peroxymonosulfate oxidation. <i>Bioresource Technology</i> , 2016, 206, 134-140.	9.6	179

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865	Possibility of sludge conditioning and dewatering with rice husk biochar modified by ferric chloride. <i>Bioresource Technology</i> , 2016, 205, 258-263.	9.6	93
866	Nanoporous Au-based chronocoulometric aptasensor for amplified detection of Pb ²⁺ using DNAzyme modified with Au nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016, 81, 61-67.	10.1	126
867	Decontamination of methylene blue from aqueous solution by magnetic chitosan lignosulfonate grafted with graphene oxide: effects of environmental conditions and surfactant. <i>RSC Advances</i> , 2016, 6, 19298-19307.	3.6	40
868	Influence of hydrological regime and climatic factor on waterbird abundance in Dongting Lake Wetland, China: Implications for biological conservation. <i>Ecological Engineering</i> , 2016, 90, 473-481.	3.6	40
869	Site-specific risk assessment and integrated management decision-making: A case study of a typical heavy metal contaminated site, Middle China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016, 22, 1224-1241.	3.4	24
870	A method for heavy metal exposure risk assessment to migratory herbivorous birds and identification of priority pollutants/areas in wetlands. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11806-11813.	5.3	37
871	Active capping technology: a new environmental remediation of contaminated sediment. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4370-4386.	5.3	56
872	Effects of anionic surfactant on n-hexane removal in biofilters. <i>Chemosphere</i> , 2016, 150, 248-253.	8.2	41
873	Chromate removal by surface-modified nanoscale zero-valent iron: Effect of different surface coatings and water chemistry. <i>Journal of Colloid and Interface Science</i> , 2016, 471, 7-13.	9.4	90
874	Removal of bisphenol A by iron nanoparticle-doped magnetic ordered mesoporous carbon. <i>RSC Advances</i> , 2016, 6, 25724-25732.	3.6	30
875	Easily separated silver nanoparticle-decorated magnetic graphene oxide: Synthesis and high antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2016, 471, 94-102.	9.4	59
876	The dual effects of carboxymethyl cellulose on the colloidal stability and toxicity of nanoscale zero-valent iron. <i>Chemosphere</i> , 2016, 144, 1682-1689.	8.2	88
877	Facile synthesis of a visible light $\text{Fe}_2\text{O}_3/\text{BiOBr}$ composite with high photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 4035-4042.	3.6	44
878	Nitrogen-doped porous carbon from <i>Camellia oleifera</i> shells with enhanced electrochemical performance. <i>Materials Science and Engineering C</i> , 2016, 61, 449-456.	7.3	27
879	Competitive removal of Cd and Pb by biochars produced from water hyacinths: performance and mechanism. <i>RSC Advances</i> , 2016, 6, 5223-5232.	3.6	124
880	Effect of low-concentration rhamnolipid on transport of <i>Pseudomonas aeruginosa</i> ATCC 9027 in an ideal porous medium with hydrophilic or hydrophobic surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 139, 244-248.	5.0	26
881	In situ synthesis of $\text{In}_2\text{S}_3@\text{MIL-125}(\text{Ti})$ core-shell microparticle for the removal of tetracycline from wastewater by integrated adsorption and visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016, 186, 19-29.	20.2	538
882	Effective removal of Cr(VI) using β -cyclodextrin-chitosan modified biochars with adsorption/reduction bifunctional roles. <i>RSC Advances</i> , 2016, 6, 94-104.	3.6	221

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883	Aggregate-based sub-CMC solubilization of n-alkanes by monorhamnolipid biosurfactant. <i>New Journal of Chemistry</i> , 2016, 40, 2028-2035.	2.8	28
884	Sensitive and selective detection of mercury ions based on papain and 2,6-pyridinedicarboxylic acid functionalized gold nanoparticles. <i>RSC Advances</i> , 2016, 6, 3259-3266.	3.6	33
885	Study on demetalization of sewage sludge by sequential extraction before liquefaction for the production of cleaner bio-oil and bio-char. <i>Bioresource Technology</i> , 2016, 200, 320-327.	9.6	58
886	Integrating hierarchical bioavailability and population distribution into potential eco-risk assessment of heavy metals in road dust: A case study in Xiandao District, Changsha city, China. <i>Science of the Total Environment</i> , 2016, 541, 969-976.	8.0	121
887	Magnetic chitosan-graphene oxide composite for anti-microbial and dye removal applications. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 702-710.	7.5	157
888	Application of acid-activated Bauxsol for wastewater treatment with high phosphate concentration: Characterization, adsorption optimization, and desorption behaviors. <i>Journal of Environmental Management</i> , 2016, 167, 1-7.	7.8	19
889	Green-emitting fluorescence Ag clusters: facile synthesis and sensors for Hg ²⁺ detection. <i>New Journal of Chemistry</i> , 2016, 40, 1175-1181.	2.8	9
890	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.	7.8	216
891	Removal of 17 β -estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. <i>Chemical Engineering Journal</i> , 2016, 284, 93-102.	12.7	258
892	Oxidation of elemental mercury by modified spent TiO ₂ -based SCR-DeNO _x catalysts in simulated coal-fired flue gas. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1471-1481.	5.3	23
893	Treatment of landfill leachate using immobilized <i>Phanerochaete chrysosporium</i> loaded with nitrogen-doped TiO ₂ nanoparticles. <i>Journal of Hazardous Materials</i> , 2016, 301, 106-118.	12.4	118
894	Phosphorus-doped ordered mesoporous carbons embedded with Pd/Fe bimetal nanoparticles for the dechlorination of 2,4-dichlorophenol. <i>Catalysis Science and Technology</i> , 2016, 6, 1930-1939.	4.1	67
895	Graphene-CdS nanocomposite inactivation performance toward <i>Escherichia coli</i> in the presence of humic acid under visible light irradiation. <i>Chemical Engineering Journal</i> , 2016, 284, 41-53.	12.7	68
896	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.	12.7	919
897	Phase transformation of crystalline iron oxides and their adsorption abilities for Pb and Cd. <i>Chemical Engineering Journal</i> , 2016, 284, 247-259.	12.7	155
898	Enhanced visible light photocatalytic activity and mechanism of ZnSn(OH) ₆ nanocubes modified with AgI nanoparticles. <i>Catalysis Communications</i> , 2016, 73, 1-6.	3.3	76
899	Label free detection of lead using impedimetric sensor based on ordered mesoporous carbon-gold nanoparticles and DNAzyme catalytic beacons. <i>Talanta</i> , 2016, 146, 641-647.	5.5	64
900	Multiparameter optimization of bromate sorption on anion exchange resin by a two-step statistical strategy: Plackett-Burman and Box-Behnken experimental design. <i>Desalination and Water Treatment</i> , 2016, 57, 15524-15532.	1.0	3

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901	Biosorption of Pb(II) Ions from Aqueous Solutions by Waste Biomass from Biotrickling Filters: Kinetics, Isotherms, and Thermodynamics. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	67
902	Micellar-enhanced ultrafiltration for the solubilization of various phenolic compounds with different surfactants. <i>Water Science and Technology</i> , 2015, 72, 623-631.	2.5	14
903	Global Landscape of Total Organic Carbon, Nitrogen and Phosphorus in Lake Water. <i>Scientific Reports</i> , 2015, 5, 15043.	3.3	67
904	The effects of land use and landscape position on labile organic carbon and carbon management index in red soil hilly region, southern China. <i>Journal of Mountain Science</i> , 2015, 12, 626-636.	2.0	16
905	Biochar amendment to lead-contaminated soil: Effects on fluorescein diacetate hydrolytic activity and phytotoxicity to rice. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1962-1968.	4.3	12
906	An efficient process for wastewater treatment to mitigate free nitrous acid generation and its inhibition on biological phosphorus removal. <i>Scientific Reports</i> , 2015, 5, 8602.	3.3	28
907	Cadmium accumulation and apoplastic and symplastic transport in <i>Boehmeria nivea</i> (L.) Gaudich on cadmium-contaminated soil with the addition of EDTA or NTA. <i>RSC Advances</i> , 2015, 5, 47584-47591.	3.6	35
908	Adsorption of hexavalent chromium by polyacrylonitrile (PAN)-based activated carbon fibers from aqueous solution. <i>RSC Advances</i> , 2015, 5, 25389-25397.	3.6	22
909	Response of extracellular carboxylic and thiol ligands (oxalate, thiol compounds) to Pb ²⁺ stress in <i>Phanerochaete chrysosporium</i> . <i>Environmental Science and Pollution Research</i> , 2015, 22, 12655-12663.	5.3	21
910	Performance and biofilm characteristics of a gas biofilter for n-hexane removal at various operational conditions. <i>RSC Advances</i> , 2015, 5, 48954-48960.	3.6	14
911	Co-liquefaction of sewage sludge and oil-tea-cake in supercritical methanol: yield of bio-oil, immobilization and risk assessment of heavy metals. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2770-2777.	2.2	21
912	Interaction between Cu ²⁺ and different types of surface-modified nanoscale zero-valent iron during their transport in porous media. <i>Journal of Environmental Sciences</i> , 2015, 32, 180-188.	6.1	39
913	Molecular basis of laccase bound to lignin: insight from comparative studies on the interaction of <i>Trametes versicolor</i> laccase with various lignin model compounds. <i>RSC Advances</i> , 2015, 5, 52307-52313.	3.6	52
914	Mitigation mechanism of Cd-contaminated soils by different levels of exogenous low-molecular-weight organic acids and <i>Phytolacca americana</i> . <i>RSC Advances</i> , 2015, 5, 45502-45509.	3.6	16
915	Adsorption behavior of Cr(VI) from aqueous solution onto magnetic graphene oxide functionalized with 1,2-diaminocyclohexanetetraacetic acid. <i>RSC Advances</i> , 2015, 5, 45384-45392.	3.6	63
916	Bioremediation of soils contaminated with polycyclic aromatic hydrocarbons, petroleum, pesticides, chlorophenols and heavy metals by composting: Applications, microbes and future research needs. <i>Biotechnology Advances</i> , 2015, 33, 745-755.	11.7	706
917	Effect of inoculation during different phases of agricultural waste composting on spectroscopic characteristics of humic acid. <i>Journal of Central South University</i> , 2015, 22, 4177-4183.	3.0	8
918	The Oxidative Stress of <i>Phanerochaete chrysosporium</i> Against Lead Toxicity. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 1981-1991.	2.9	26

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919	Preparation of a New Granular Acid-Activated Neutralized Red Mud and Evaluation of Its Performance for Phosphate Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3324-3331.	6.7	20
920	Synthesis of graphene oxide decorated with core@double-shell nanoparticles and application for Cr(VI) removal. <i>RSC Advances</i> , 2015, 5, 106339-106349.	3.6	29
921	Enhanced production of short-chain fatty acid from food waste stimulated by alkyl polyglycosides and its mechanism. <i>Waste Management</i> , 2015, 46, 133-139.	7.4	51
922	Effect of initial pH on short chain fatty acid production during the anaerobic fermentation of membrane bioreactor sludge enhanced by alkyl polyglycoside. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 283-289.	3.9	60
923	Effect of early dry season induced by the Three Gorges Dam on the soil microbial biomass and bacterial community structure in the Dongting Lake wetland. <i>Ecological Indicators</i> , 2015, 53, 129-136.	6.3	70
924	Effects of inorganic electrolyte anions on enrichment of Cu(II) ions with aminated Fe ₃ O ₄ /graphene oxide: Cu(II) speciation prediction and surface charge measurement. <i>Chemosphere</i> , 2015, 127, 35-41.	8.2	31
925	Response of denitrifying genes coding for nitrite (nirK or nirS) and nitrous oxide (nosZ) reductases to different physico-chemical parameters during agricultural waste composting. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4059-4070.	3.6	80
926	Application of biochar for the removal of pollutants from aqueous solutions. <i>Chemosphere</i> , 2015, 125, 70-85.	8.2	1,324
927	Effect of polyhydroxyalkanoates on dark fermentative hydrogen production from waste activated sludge. <i>Water Research</i> , 2015, 73, 311-322.	11.3	88
928	Physiological fluxes and antioxidative enzymes activities of immobilized <i>Phanerochaete chrysosporium</i> loaded with TiO ₂ nanoparticles after exposure to toxic pollutants in solution. <i>Chemosphere</i> , 2015, 128, 21-27.	8.2	13
929	Study of the degradation of methylene blue by semi-solid-state fermentation of agricultural residues with <i>Phanerochaete chrysosporium</i> and reutilization of fermented residues. <i>Waste Management</i> , 2015, 38, 424-430.	7.4	50
930	Combination of cathodic reduction with adsorption for accelerated removal of Cr(VI) through reticulated vitreous carbon electrodes modified with sulfuric acid-glycine co-doped polyaniline. <i>Journal of Hazardous Materials</i> , 2015, 286, 493-502.	12.4	39
931	Rapid adsorption of 2,4-dichlorophenoxyacetic acid by iron oxide nanoparticles-doped carboxylic ordered mesoporous carbon. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 1-8.	9.4	93
932	Facile synthesis of amino-functionalized titanium metal-organic frameworks and their superior visible-light photocatalytic activity for Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , 2015, 286, 187-194.	12.4	634
933	Characteristics of mannosylerythritol lipids and their environmental potential. <i>Carbohydrate Research</i> , 2015, 407, 63-72.	2.3	47
934	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, 435-443.	3.6	44
935	Complementary effects of torrefaction and co-pelletization: Energy consumption and characteristics of pellets. <i>Bioresource Technology</i> , 2015, 185, 254-262.	9.6	84
936	Tartaric acid modified <i>Pleurotus ostreatus</i> for enhanced removal of Cr(VI) ions from aqueous solution: characteristics and mechanisms. <i>RSC Advances</i> , 2015, 5, 24009-24015.	3.6	13

#	ARTICLE	IF	CITATIONS
937	Characterization of <i>Microcystis Aeruginosa</i> immobilized in complex of PVA and sodium alginate and its application on phosphorous removal in wastewater. <i>Journal of Central South University</i> , 2015, 22, 95-102.	3.0	13
938	The stability of Pb species during the Pb removal process by growing cells of <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3685-3693.	3.6	18
939	Metal oxides and metal salt nanostructures for hydrogen sulfide sensing: mechanism and sensing performance. <i>RSC Advances</i> , 2015, 5, 54793-54805.	3.6	36
940	Enhanced photodegradation of pentachlorophenol by single and mixed nonionic and anionic surfactants using graphene-TiO ₂ as catalyst. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18211-18220.	5.3	11
941	Growth, metabolism of <i>Phanerochaete chrysosporium</i> and route of lignin degradation in response to cadmium stress in solid-state fermentation. <i>Chemosphere</i> , 2015, 138, 560-567.	8.2	30
942	Performance of system consisting of vertical flow trickling filter and horizontal flow multi-soil-layering reactor for treatment of rural wastewater. <i>Bioresource Technology</i> , 2015, 193, 424-432.	9.6	70
943	Extractive desulfurization of dibenzothiophene by a mixed extractant of N,N-dimethylacetamide, N,N-dimethylformamide and tetramethylene sulfone: optimization by Box-Behnken design. <i>RSC Advances</i> , 2015, 5, 66013-66023.	3.6	47
944	The effects of <i>P. aeruginosa</i> ATCC 9027 and NTA on phytoextraction of Cd by ramie (<i>Boehmeria nivea</i> (L.) Tj ETQq0.0 0 rgBT ₆ Overlock	3.6	6
945	Novel visible light-induced g-C ₃ N ₄ /Sb ₂ S ₃ /Sb ₄ O ₅ Cl ₂ composite photocatalysts for efficient degradation of methyl orange. <i>Catalysis Communications</i> , 2015, 70, 17-20.	3.3	45
946	Free nitrous acid serving as a pretreatment method for alkaline fermentation to enhance short-chain fatty acid production from waste activated sludge. <i>Water Research</i> , 2015, 78, 111-120.	11.3	189
947	Effect of Pb(II) on phenanthrene degradation by new isolated <i>Bacillus</i> sp. P1. <i>RSC Advances</i> , 2015, 5, 55812-55818.	3.6	14
948	Plasmonic photocatalyst Ag@AgCl/ZnSn(OH) ₆ : synthesis, characterization and enhanced visible-light photocatalytic activity in the decomposition of dyes and phenol. <i>RSC Advances</i> , 2015, 5, 63152-63164.	3.6	41
949	Synthesis and adsorption application of amine shield-introduced-released porous chitosan hydrogel beads for removal of acid orange 7 from aqueous solutions. <i>RSC Advances</i> , 2015, 5, 62778-62787.	3.6	12
950	Enrichment of organic carbon in sediment under field simulated rainfall experiments. <i>Environmental Earth Sciences</i> , 2015, 74, 5417-5425.	2.7	30
951	A facile hydrothermal method to synthesize Sb ₂ S ₃ /Sb ₄ O ₅ Cl ₂ composites with three-dimensional spherical structures. <i>RSC Advances</i> , 2015, 5, 53019-53024.	3.6	21
952	Environmental factors shaping the abundance and distribution of laccase-encoding bacterial community with potential phenolic oxidase capacity during composting. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9191-9201.	3.6	11
953	An integrated model for assessing heavy metal exposure risk to migratory birds in wetland ecosystem: A case study in Dongting Lake Wetland, China. <i>Chemosphere</i> , 2015, 135, 14-19.	8.2	93
954	Laccase behavior in the microenvironment of water core within a biosurfactant-based reversed micelles system rhamnolipid/n-hexanol/isooctane/water. <i>Surface and Interface Analysis</i> , 2015, 47, 491-497.	1.8	2

#	ARTICLE	IF	CITATIONS
955	A review on oxidation of elemental mercury from coal-fired flue gas with selective catalytic reduction catalysts. <i>Catalysis Science and Technology</i> , 2015, 5, 3459-3472.	4.1	86
956	Immobilization of Cd(II) in acid soil amended with different biochars with a long term of incubation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12597-12604.	5.3	67
957	Polyvinyl alcohol-immobilized <i>Phanerochaete chrysosporium</i> and its application in the bioremediation of composite-polluted wastewater. <i>Journal of Hazardous Materials</i> , 2015, 289, 174-183.	12.4	71
958	Experimental study on HgO removal from flue gas over columnar MnO _x -CeO ₂ /activated coke. <i>Applied Surface Science</i> , 2015, 333, 59-67.	6.1	136
959	Influence of exogenous lead pollution on enzyme activities and organic matter degradation in the surface of river sediment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11422-11435.	5.3	19
960	Kinetics comparison on simultaneous and sequential competitive adsorption of heavy metals in red soils. <i>Journal of Central South University</i> , 2015, 22, 1269-1275.	3.0	10
961	Facile synthesis of alumina-decorated multi-walled carbon nanotubes for simultaneous adsorption of cadmium ion and trichloroethylene. <i>Chemical Engineering Journal</i> , 2015, 273, 101-110.	12.7	129
962	An overview on limitations of TiO ₂ -based particles for photocatalytic degradation of organic pollutants and the corresponding countermeasures. <i>Water Research</i> , 2015, 79, 128-146.	11.3	1,046
963	Removal of cadmium and lead from aqueous solutions using nitrilotriacetic acid anhydride modified ligno-cellulosic material. <i>RSC Advances</i> , 2015, 5, 11475-11484.	3.6	68
964	Synthesis and applications of novel graphitic carbon nitride/metal-organic frameworks mesoporous photocatalyst for dyes removal. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 445-454.	20.2	594
965	Highly effective adsorption of cationic and anionic dyes on magnetic Fe/Ni nanoparticles doped bimodal mesoporous carbon. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 451-459.	9.4	113
966	Mass concentration and health risk assessment of heavy metals in size-segregated airborne particulate matter in Changsha. <i>Science of the Total Environment</i> , 2015, 517, 215-221.	8.0	108
967	Three dimensional graphene based materials: Synthesis and applications from energy storage and conversion to electrochemical sensor and environmental remediation. <i>Advances in Colloid and Interface Science</i> , 2015, 221, 41-59.	14.7	242
968	Solvothermal synthesis of graphene/BiOCl _{0.75} Br _{0.25} microspheres with excellent visible-light photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 33696-33704.	3.6	33
969	Quaternary ammonium compounds (QACs): A review on occurrence, fate and toxicity in the environment. <i>Science of the Total Environment</i> , 2015, 518-519, 352-362.	8.0	410
970	Experimental investigation on NO _x emission characteristics of a new solid fuel made from sewage sludge mixed with coal in combustion. <i>Waste Management and Research</i> , 2015, 33, 157-164.	3.9	7
971	Efficiency of biochar and compost (or composting) combined amendments for reducing Cd, Cu, Zn and Pb bioavailability, mobility and ecological risk in wetland soil. <i>RSC Advances</i> , 2015, 5, 34541-34548.	3.6	134
972	Photodeposition of metal sulfides on titanium metal-organic frameworks for excellent visible-light-driven photocatalytic Cr(VI) reduction. <i>RSC Advances</i> , 2015, 5, 32531-32535.	3.6	118

#	ARTICLE	IF	CITATIONS
973	Effect of porous zinc-biochar nanocomposites on Cr(VI) adsorption from aqueous solution. <i>RSC Advances</i> , 2015, 5, 35107-35115.	3.6	223
974	Bioreduction of Chromate by an Isolated <i>Bacillus anthracis</i> Cr-4 with Soluble Cr(III) Product. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	27
975	Bioconversion of oxygen-pretreated Kraft lignin to microbial lipid with oleaginous <i>Rhodococcus opacus</i> DSM 1069. <i>Green Chemistry</i> , 2015, 17, 2784-2789.	9.0	117
976	The comparison of the migration and transformation behavior of heavy metals during pyrolysis and liquefaction of municipal sewage sludge, paper mill sludge, and slaughterhouse sludge. <i>Bioresource Technology</i> , 2015, 198, 16-22.	9.6	90
977	How Does Poly(hydroxyalkanoate) Affect Methane Production from the Anaerobic Digestion of Waste-Activated Sludge?. <i>Environmental Science & Technology</i> , 2015, 49, 12253-12262.	10.0	125
978	Fluorescent sensing of sulfide ions based on papain-directed gold nanoclusters. <i>New Journal of Chemistry</i> , 2015, 39, 9306-9312.	2.8	42
979	Extracellular secretions of <i>Phanerochaete chrysosporium</i> on Cd toxicity. <i>International Biodeterioration and Biodegradation</i> , 2015, 105, 73-79.	3.9	27
980	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.	2.4	42
981	Facile preparation of an Ag/AgVO ₃ /BiOCl composite and its enhanced photocatalytic behavior for methylene blue degradation. <i>RSC Advances</i> , 2015, 5, 98184-98193.	3.6	55
982	Removal of Chromium (VI) from Aqueous Solution Using Mycelial Pellets of <i>Penicillium simplicissimum</i> Impregnated with Powdered Biochar. <i>Bioremediation Journal</i> , 2015, 19, 259-268.	2.0	13
983	Different senescent HDPE pipe-risk: brief field investigation from source water to tap water in China (Changsha City). <i>Environmental Science and Pollution Research</i> , 2015, 22, 16210-16214.	5.3	25
984	Enzymatic reaction of ethanol and oleic acid by lipase and lignin peroxidase in rhamnolipid (RL) reversed micelles. <i>Journal of Central South University</i> , 2015, 22, 2936-2944.	3.0	1
985	One-step calcination method for synthesis of mesoporous g-C ₃ N ₄ /NiTiO ₃ heterostructure photocatalyst with improved visible light photoactivity. <i>RSC Advances</i> , 2015, 5, 95643-95648.	3.6	54
986	Optimization, Kinetics, Isotherms, and Thermodynamics Studies of Antimony Removal in Electrocoagulation Process. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	16
987	Chemical speciation, mobility and phyto-accessibility of heavy metals in fly ash and slag from combustion of pelletized municipal sewage sludge. <i>Science of the Total Environment</i> , 2015, 536, 774-783.	8.0	110
988	How to manage future groundwater resource of China under climate change and urbanization: An optimal stage investment design from modern portfolio theory. <i>Water Research</i> , 2015, 85, 31-37.	11.3	48
989	Aggregation of low-concentration dirhamnolipid biosurfactant in electrolyte solution. <i>RSC Advances</i> , 2015, 5, 88578-88582.	3.6	21
990	Phosphate Adsorption onto Granular-Acid-Activated-Neutralized Red Mud: Parameter Optimization, Kinetics, Isotherms, and Mechanism Analysis. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	17

#	ARTICLE	IF	CITATIONS
991	Facile synthesis of Ag/AgCl/BiPO ₄ plasmonic photocatalyst with significantly enhanced visible photocatalytic activity and high stability. RSC Advances, 2015, 5, 89105-89112.	3.6	21
992	A novel biosensor for silver(ⁱ) ion detection based on nanoporous gold and duplex-like DNA scaffolds with anionic intercalator. RSC Advances, 2015, 5, 69738-69744.	3.6	21
993	Distribution behavior and risk assessment of metals in bio-oils produced by liquefaction/pyrolysis of sewage sludge. Environmental Science and Pollution Research, 2015, 22, 18945-18955.	5.3	12
994	Time-dependent antioxidative responses of ramie (<i>Boehmeria nivea</i> (L.) Gaudich) to moderate cadmium stress and its up-regulation mechanism by spermidine antioxidant. RSC Advances, 2015, 5, 76141-76149.	3.6	4
995	Aggregate-based sub-CMC solubilization of hexadecane by surfactants. RSC Advances, 2015, 5, 78142-78149.	3.6	25
996	Study and health risk assessment of the occurrence of iron and manganese in groundwater at the terminal of the Xiangjiang River. Environmental Science and Pollution Research, 2015, 22, 19912-19921.	5.3	46
997	Facile synthesis of CeO ₂ nanoparticle sensitized CdS nanorod photocatalyst with improved visible-light photocatalytic degradation of rhodamine B. RSC Advances, 2015, 5, 79556-79564.	3.6	77
998	A novel SnS ₂ /MgFe ₂ O ₄ /reduced graphene oxide flower-like photocatalyst: Solvothermal synthesis, characterization and improved visible-light photocatalytic activity. Catalysis Communications, 2015, 61, 62-66.	3.3	99
999	Effect of low-concentration rhamnolipid on adsorption of <i>Pseudomonas aeruginosa</i> ATCC 9027 on hydrophilic and hydrophobic surfaces. Journal of Hazardous Materials, 2015, 285, 383-388.	12.4	45
1000	Application of molecularly imprinted polymers in wastewater treatment: a review. Environmental Science and Pollution Research, 2015, 22, 963-977.	5.3	208
1001	Cadmium induced hydrogen peroxide accumulation and responses of enzymatic antioxidants in <i>Phanerochaete chrysosporium</i> . Ecological Engineering, 2015, 75, 110-115.	3.6	33
1002	Transport, fate, and stimulating impact of silver nanoparticles on the removal of Cd(II) by <i>Phanerochaete chrysosporium</i> in aqueous solutions. Journal of Hazardous Materials, 2015, 285, 236-244.	12.4	42
1003	A coupled photocatalytic-biological process for phenol degradation in the <i>Phanerochaete chrysosporium</i> -oxalate-Fe ₃ O ₄ system. International Biodeterioration and Biodegradation, 2015, 97, 115-123.	3.9	49
1004	Amplified and selective detection of manganese peroxidase genes based on enzyme-scaffolded-gold nanoclusters and mesoporous carbon nitride. Biosensors and Bioelectronics, 2015, 65, 382-389.	10.1	36
1005	A novel algal biofilm membrane photobioreactor for attached microalgae growth and nutrients removal from secondary effluent. Bioresource Technology, 2015, 179, 8-12.	9.6	201
1006	A highly sensitive protocol for the determination of Hg ²⁺ in environmental water using time-gated mode. Talanta, 2015, 132, 606-612.	5.5	13
1007	Effect of saponins on n-hexane removal in biotrickling filters. Bioresource Technology, 2015, 175, 231-238.	9.6	58
1008	Feasibility of bioleaching combined with Fenton oxidation to improve sewage sludge dewaterability. Journal of Environmental Sciences, 2015, 28, 37-42.	6.1	25

#	ARTICLE	IF	CITATIONS
1009	Feasibility and comparative studies of thermochemical liquefaction of <i>Camellia oleifera</i> cake in different supercritical organic solvents for producing bio-oil. <i>Energy Conversion and Management</i> , 2015, 89, 955-962.	9.2	30
1010	Speciation and environmental risk assessment of heavy metal in bio-oil from liquefaction/pyrolysis of sewage sludge. <i>Chemosphere</i> , 2015, 120, 645-652.	8.2	100
1011	Enhancement of Cd(II) adsorption by polyacrylic acid modified magnetic mesoporous carbon. <i>Chemical Engineering Journal</i> , 2015, 259, 153-160.	12.7	182
1012	Facile synthesis of polypyrrole decorated reduced graphene oxide@Fe ₃ O ₄ magnetic composites and its application for the Cr(VI) removal. <i>Chemical Engineering Journal</i> , 2015, 262, 597-606.	12.7	381
1013	Simultaneous removal of lead and phenol contamination from water by nitrogen-functionalized magnetic ordered mesoporous carbon. <i>Chemical Engineering Journal</i> , 2015, 259, 854-864.	12.7	141
1014	Soil Organic Carbon Loss and Selective Transportation under Field Simulated Rainfall Events. <i>PLoS ONE</i> , 2014, 9, e105927.	2.5	44
1015	Mechanism of exogenous selenium alleviates cadmium induced toxicity in <i>Bechmeria nivea</i> (L.) Gaud (Ramie). <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 3964-3970.	4.2	20
1016	Comparison of Response Surface Methodology and Artificial Neural Network in Optimization and Prediction of Acid Activation of Bauxsol for Phosphorus Adsorption. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	22
1017	Thermal Effects. <i>Water Environment Research</i> , 2014, 86, 1955-1969.	2.7	0
1018	Effect of different surfactants on removal efficiency of heavy metals in sewage sludge treated by a novel method combining bio-acidification with Fenton oxidation. <i>Journal of Central South University</i> , 2014, 21, 4623-4629.	3.0	10
1019	Recovery of phosphorus from sewage sludge in combination with the supercritical water process. <i>Water Science and Technology</i> , 2014, 70, 1108-1114.	2.5	17
1020	Enhanced removal of ethylbenzene from gas streams in biotrickling filters by Tween-20 and Zn(II). <i>Journal of Environmental Sciences</i> , 2014, 26, 2500-2507.	6.1	46
1021	Enhanced efficiency of cadmium removal by <i>Boehmeria nivea</i> (L.) Gaud. in the presence of exogenous citric and oxalic acids. <i>Journal of Environmental Sciences</i> , 2014, 26, 2508-2516.	6.1	53
1022	Effective decolorization of congo red in aqueous solution by adsorption and photocatalysis using novel magnetic alginate-Fe ₂ O ₃ /CdS nanocomposite. <i>Desalination and Water Treatment</i> , 2014, 52, 238-247.	1.0	24
1023	Synthesis of gold@cellobiose nanocomposites for colorimetric measurement of cellobiase activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 369-374.	3.9	16
1024	Plasma membrane behavior, oxidative damage, and defense mechanism in <i>Phanerochaete chrysosporium</i> under cadmium stress. <i>Process Biochemistry</i> , 2014, 49, 589-598.	3.7	91
1025	Hydrogen sulfide alleviates 2,4-dichlorophenol toxicity and promotes its degradation in <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2014, 109, 208-212.	8.2	33
1026	Facile green extracellular biosynthesis of CdS quantum dots by white rot fungus <i>Phanerochaete chrysosporium</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 199-205.	5.0	123

#	ARTICLE	IF	CITATIONS
1027	Adsorption characteristics of Cu and Zn onto various size fractions of aggregates from red paddy soil. <i>Journal of Hazardous Materials</i> , 2014, 264, 176-183.	12.4	201
1028	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, 6409-6418.	3.6	86
1029	Cd(II) removal from aqueous solution by adsorption on γ -ketoglutaric acid-modified magnetic chitosan. <i>Applied Surface Science</i> , 2014, 292, 710-716.	6.1	120
1030	Impact of humic/fulvic acid on the removal of heavy metals from aqueous solutions using nanomaterials: A review. <i>Science of the Total Environment</i> , 2014, 468-469, 1014-1027.	8.0	605
1031	Ultrasensitive detection and co-stability of mercury(Hg^{2+}) ions based on amalgam formation with Tween 20-stabilized silver nanoparticles. <i>RSC Advances</i> , 2014, 4, 59275-59283.	3.6	30
1032	Fast adsorption of Cd^{2+} and Pb^{2+} by EGTA dianhydride (EGTAD) modified ramie fiber. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 152-158.	9.4	43
1033	Combined removal of di(2-ethylhexyl)phthalate (DEHP) and Pb^{2+} by using a cutinase loaded nanoporous gold-polyethyleneimine adsorbent. <i>RSC Advances</i> , 2014, 4, 55511-55518.	3.6	47
1034	Assessing the effect of flow fields on flocculation of kaolin suspension using microbial flocculant GA1. <i>RSC Advances</i> , 2014, 4, 40464-40473.	3.6	8
1035	Photocatalytic degradation of phenol by the heterogeneous Fe_3O_4 nanoparticles and oxalate complex system. <i>RSC Advances</i> , 2014, 4, 40828-40836.	3.6	27
1036	Ordered Mesoporous Carbon and Thiolated Polyaniline Modified Electrode for Simultaneous Determination of Cadmium(II) and Lead(II) by Anodic Stripping Voltammetry. <i>Electroanalysis</i> , 2014, 26, 2283-2291.	2.9	28
1037	Quantitative detection of trace mercury in environmental media using a three-dimensional electrochemical sensor with an anionic intercalator. <i>RSC Advances</i> , 2014, 4, 18485.	3.6	46
1038	Source identification and potential ecological risk assessment of heavy metals in PM _{2.5} from Changsha. <i>Science of the Total Environment</i> , 2014, 493, 109-115.	8.0	117
1039	Time-gated fluorescence sensor for silver ions using Mn:CdS/ZnS quantum dots/DNA/gold nanoparticle complexes. <i>Analytical Methods</i> , 2014, 6, 6265.	2.7	6
1040	Colorimetric screening of β -glucosidase inhibition based on gold nanocomposites. <i>Analytical Methods</i> , 2014, 6, 312-315.	2.7	7
1041	Effective removal of Cr^{6+} through adsorption and reduction by magnetic mesoporous carbon incorporated with polyaniline. <i>RSC Advances</i> , 2014, 4, 58362-58371.	3.6	90
1042	Significantly enhanced visible light photocatalytic activity and surface plasmon resonance mechanism of Ag/AgCl/ZnWO ₄ composite. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 276-282.	4.8	59
1043	Effects of sediment geochemical properties on heavy metal bioavailability. <i>Environment International</i> , 2014, 73, 270-281.	10.0	553
1044	Adsorptive removal of methylene blue by rhamnolipid-functionalized graphene oxide from wastewater. <i>Water Research</i> , 2014, 67, 330-344.	11.3	527

#	ARTICLE	IF	CITATIONS
1045	Utilization of nano-gold tracing technique: Study the adsorption and transmission of laccase in mediator-involved enzymatic degradation of lignin during solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2014, 91, 149-156.	3.6	22
1046	Removal of Basic Dye from Aqueous Solution using <i>Cinnamomum camphora</i> Sawdust: Kinetics, Isotherms, Thermodynamics, and Mass-Transfer Processes. <i>Separation Science and Technology</i> , 2014, 49, 2689-2699.	2.5	30
1047	Integrated Source Apportionment, Screening Risk Assessment, and Risk Mapping of Heavy Metals in Surface Sediments: A Case Study of the Dongting Lake, Middle China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 1213-1230.	3.4	28
1048	Effects of background electrolytes and ionic strength on enrichment of Cd(II) ions with magnetic graphene oxide-supported sulfanilic acid. <i>Journal of Colloid and Interface Science</i> , 2014, 435, 138-144.	9.4	76
1049	Chlorinated volatile organic compounds (Cl-VOCs) in environment "sources, potential human health impacts, and current remediation technologies. <i>Environment International</i> , 2014, 71, 118-138.	10.0	586
1050	Inherent antioxidant activity and high yield production of antioxidants in <i>Phanerochaete chrysosporium</i> . <i>Biochemical Engineering Journal</i> , 2014, 90, 245-254.	3.6	17
1051	Grafting of β -cyclodextrin to magnetic graphene oxide via ethylenediamine and application for Cr(VI) removal. <i>Carbohydrate Polymers</i> , 2014, 113, 166-173.	10.2	141
1052	Cobalt nanoparticles-embedded magnetic ordered mesoporous carbon for highly effective adsorption of rhodamine B. <i>Applied Surface Science</i> , 2014, 314, 746-753.	6.1	114
1053	Degradation of pseudo-solubilized and mass hexadecane by a <i>Pseudomonas aeruginosa</i> with treatment of rhamnolipid biosurfactant. <i>International Biodeterioration and Biodegradation</i> , 2014, 94, 152-159.	3.9	37
1054	Role of low-concentration monorhamnolipid in cell surface hydrophobicity of <i>Pseudomonas aeruginosa</i> : adsorption or lipopolysaccharide content variation. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 10231-10241.	3.6	20
1055	Fate and risk assessment of heavy metals in residue from co-liquefaction of <i>Camellia oleifera</i> cake and sewage sludge in supercritical ethanol. <i>Bioresource Technology</i> , 2014, 167, 578-581.	9.6	36
1056	Precipitation and Recovery of Cellulase using Biosurfactant. <i>Separation Science and Technology</i> , 2014, 49, 2249-2254.	2.5	6
1057	Biological nutrient removal in a sequencing batch reactor operated as oxic/anoxic/extended-idle regime. <i>Chemosphere</i> , 2014, 105, 75-81.	8.2	24
1058	Influence of sewage sludge-based activated carbon and temperature on the liquefaction of sewage sludge: Yield and composition of bio-oil, immobilization and risk assessment of heavy metals. <i>Bioresource Technology</i> , 2014, 159, 72-79.	9.6	153
1059	Removal of malachite green dye from wastewater by different organic acid-modified natural adsorbent: kinetics, equilibriums, mechanisms, practical application, and disposal of dye-loaded adsorbent. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11552-11564.	5.3	88
1060	Effect of dissolved oxygen on biological phosphorus removal induced by aerobic/extended-idle regime. <i>Biochemical Engineering Journal</i> , 2014, 90, 27-35.	3.6	30
1061	Inactivation performance and mechanism of <i>Escherichia coli</i> in aqueous system exposed to iron oxide loaded graphene nanocomposites. <i>Journal of Hazardous Materials</i> , 2014, 276, 66-76.	12.4	87
1062	Application of cetyltrimethylammonium bromide bentonite-titanium dioxide photocatalysis technology for pretreatment of aging leachate. <i>Journal of Hazardous Materials</i> , 2014, 275, 63-71.	12.4	19

#	ARTICLE	IF	CITATIONS
1063	Synergistic effect of iron doped ordered mesoporous carbon on adsorption-coupled reduction of hexavalent chromium and the relative mechanism study. <i>Chemical Engineering Journal</i> , 2014, 239, 114-122.	12.7	220
1064	A restoration-promoting integrated floating bed and its experimental performance in eutrophication remediation. <i>Journal of Environmental Sciences</i> , 2014, 26, 1090-1098.	6.1	36
1065	Quantum dots and p-phenylenediamine based method for the sensitive determination of glucose. <i>Talanta</i> , 2014, 129, 20-25.	5.5	13
1066	Effect of Pb ²⁺ on the production of hydroxyl radical during solid-state fermentation of straw with <i>Phanerochaete chrysosporium</i> . <i>Biochemical Engineering Journal</i> , 2014, 84, 9-15.	3.6	22
1067	Effects of d-menthol stress on the growth of and microcystin release by the freshwater cyanobacterium <i>Microcystis aeruginosa</i> FACHB-905. <i>Chemosphere</i> , 2014, 113, 30-35.	8.2	12
1068	Effect of aniline on cadmium adsorption by sulfanilic acid-grafted magnetic graphene oxide sheets. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 213-220.	9.4	43
1069	Evaluation of micellar enhanced ultrafiltration for removing methylene blue and cadmium ion simultaneously with mixed surfactants. <i>Separation and Purification Technology</i> , 2014, 125, 83-89.	7.9	64
1070	Optimization of Copper(II) Adsorption onto Novel Magnetic Calcium Alginate/Maghemite Hydrogel Beads Using Response Surface Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4059-4066.	3.7	86
1071	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, 519-525.	10.1	132
1072	Co-pelletization of sewage sludge and biomass: The density and hardness of pellet. <i>Bioresource Technology</i> , 2014, 166, 435-443.	9.6	146
1073	Effects of limonene stress on the growth of and microcystin release by the freshwater cyanobacterium <i>Microcystis aeruginosa</i> FACHB-905. <i>Ecotoxicology and Environmental Safety</i> , 2014, 105, 121-127.	6.0	29
1074	Effects of Cd(II) on wastewater biological nitrogen and phosphorus removal. <i>Chemosphere</i> , 2014, 117, 27-32.	8.2	48
1075	The migration and transformation behavior of heavy metals during the liquefaction process of sewage sludge. <i>Bioresource Technology</i> , 2014, 167, 144-150.	9.6	122
1076	Synergistic adsorption and reduction of hexavalent chromium using highly uniform polyaniline@magnetic mesoporous silica composite. <i>Chemical Engineering Journal</i> , 2014, 254, 302-312.	12.7	124
1077	Synthesis of iron oxide nanoparticles and their application in <i>Phanerochaete chrysosporium</i> immobilization for Pb(II) removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 419, 147-155.	4.7	89
1078	Simultaneous Adsorption/Reduction of Bromate by Nanoscale Zerovalent Iron Supported on Modified Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 12574-12581.	3.7	93
1079	Preparation of magnetically separable Fe ₃ O ₄ /BiOI nanocomposites and its visible photocatalytic activity. <i>Applied Surface Science</i> , 2013, 286, 40-46.	6.1	73
1080	Shale gas: Surface water also at risk. <i>Nature</i> , 2013, 499, 154-154.	27.8	144

#	ARTICLE	IF	CITATIONS
1081	Evaluation of the feasibility of alcohols serving as external carbon sources for biological phosphorus removal induced by the oxic/extended-idle regime. <i>Biotechnology and Bioengineering</i> , 2013, 110, 827-837.	3.3	38
1082	Novel insights into enzymatic-enhanced anaerobic digestion of waste activated sludge by three-dimensional excitation and emission matrix fluorescence spectroscopy. <i>Chemosphere</i> , 2013, 91, 579-585.	8.2	108
1083	Graphene-based materials: Fabrication, characterization and application for the decontamination of wastewater and wastegas and hydrogen storage/generation. <i>Advances in Colloid and Interface Science</i> , 2013, 195-196, 19-40.	14.7	306
1084	Simultaneous removal of Cd(II) and ionic dyes from aqueous solution using magnetic graphene oxide nanocomposite as an adsorbent. <i>Chemical Engineering Journal</i> , 2013, 226, 189-200.	12.7	565
1085	Optimizing rhamnolipid production by <i>Pseudomonas aeruginosa</i> ATCC 9027 grown on waste frying oil using response surface method and batch-fed fermentation. <i>Journal of Central South University</i> , 2013, 20, 1015-1021.	3.0	31
1086	Adsorption characteristics and behaviors of graphene oxide for Zn(II) removal from aqueous solution. <i>Applied Surface Science</i> , 2013, 279, 432-440.	6.1	418
1087	Highly Sensitive Strategy for Hg ²⁺ Detection in Environmental Water Samples Using Long Lifetime Fluorescence Quantum Dots and Gold Nanoparticles. <i>Environmental Science & Technology</i> , 2013, 47, 4392-4398.	10.0	132
1088	Risks of Neonicotinoid Pesticides. <i>Science</i> , 2013, 340, 1403-1403.	12.6	230
1089	Chongqing urban ecological flood control study of river basin. , 2013, , .		1
1090	Digested sewage sludge gasification in supercritical water. <i>Waste Management and Research</i> , 2013, 31, 393-400.	3.9	23
1091	Sensitive and renewable picloram immunosensor based on paramagnetic immobilisation. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 729-741.	3.3	8
1092	Humic Acid Removal from Water with Polyaluminum Coagulants: Effect of Sulfate on Aluminum Polymerization. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 293-298.	1.4	24
1093	Simultaneous adsorption of atrazine and Cu (II) from wastewater by magnetic multi-walled carbon nanotube. <i>Chemical Engineering Journal</i> , 2012, 211-212, 470-478.	12.7	272
1094	Morphological, geochemical composition and origins of near-surface atmospheric dust in Changsha city of China. <i>Environmental Earth Sciences</i> , 2012, 66, 2207-2216.	2.7	6
1095	Erosion effects on soil properties of the unique red soil hilly region of the economic development zone in southern China. <i>Environmental Earth Sciences</i> , 2012, 67, 1725-1734.	2.7	15
1096	Magnetic separation and detection of a cellulase gene using core-shell nanoparticle probes towards a Q-PCR assay. <i>Analytical Methods</i> , 2012, 4, 2914.	2.7	2
1097	Improved biological phosphorus removal performance driven by the aerobic/extended-idle regime with propionate as the sole carbon source. <i>Water Research</i> , 2012, 46, 3868-3878.	11.3	80
1098	Removal and Recovery of Zn ²⁺ and Pb ²⁺ by Imine-Functionalized Magnetic Nanoparticles with Tunable Selectivity. <i>Langmuir</i> , 2012, 28, 468-473.	3.5	27

#	ARTICLE	IF	CITATIONS
1099	Effects of soil and water conservation and its interactions with soil properties on soil productivity. Journal of Central South University, 2012, 19, 2279-2285.	3.0	2
1100	Multimedia health risk assessment: A case study of scenario-uncertainty. Journal of Central South University, 2012, 19, 2901-2909.	3.0	29
1101	Responses of <i>Phanerochaete chrysosporium</i> to Toxic Pollutants: Physiological Flux, Oxidative Stress, and Detoxification. Environmental Science & Technology, 2012, 46, 7818-7825.	10.0	75
1102	Reaction of NO at low temperature by ACF loading urea and rare-earth element oxides (La ₂ O ₃ , CeO ₂). Journal of Coordination Chemistry, 2012, 65, 1992-1998.	2.2	13
1103	Effect of rhamnolipids on cadmium adsorption by <i>Penicillium simplicissimum</i> . Journal of Central South University, 2012, 19, 1073-1080.	3.0	16
1104	Inducing mechanism of biological phosphorus removal driven by the aerobic/extendedâ€idle regime. Biotechnology and Bioengineering, 2012, 109, 2798-2807.	3.3	47
1105	Ecological suitability evaluation for urban growth boundary in red soil hilly areas based on fuzzy theory. Journal of Central South University, 2012, 19, 1364-1369.	3.0	11
1106	Characterization and performance of V2O5/CeO2 for NH3-SCR of NO at low temperatures. Frontiers of Environmental Science and Engineering, 2012, 6, 156-161.	6.0	19
1107	Effect of Triton X-100 on the removal of aqueous phenol by laccase analyzed with a combined approach of experiments and molecular docking. Colloids and Surfaces B: Biointerfaces, 2012, 97, 7-12.	5.0	49
1108	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
1109	Influence of rhamnolipids and Triton X-100 on adsorption of phenol by <i>Penicillium simplicissimum</i> . Bioresource Technology, 2012, 110, 468-473.	9.6	39
1110	Study on binding modes between cellobiose and Î²-glucosidases from glycoside hydrolase family 1. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 837-843.	2.2	9
1111	A novel bioflocculant produced by <i>Klebsiella sp.</i> and its application to sludge dewatering. Water and Environment Journal, 2012, 26, 560-566.	2.2	57
1112	Effect of surfactant on styrene removal from waste gas streams in biotrickling filters. Journal of Chemical Technology and Biotechnology, 2012, 87, 785-790.	3.2	48
1113	Effect of dirhamnolipid on the removal of phenol catalyzed by laccase in aqueous solution. World Journal of Microbiology and Biotechnology, 2012, 28, 175-181.	3.6	46
1114	Pyrolysis characteristics and kinetics of sewage sludge for different sizes and heating rates. Journal of Thermal Analysis and Calorimetry, 2012, 107, 1015-1022.	3.6	55
1115	Experimental Study of Gaseous Elemental Mercury Removal with CeO ₂ /Î³-Al ₂ O ₃ . Energy & Fuels, 2011, 25, 2939-2944.	5.1	95
1116	PEI-grafted magnetic porous powder for highly effective adsorption of heavy metal ions. Desalination, 2011, 281, 278-284.	8.2	292

#	ARTICLE	IF	CITATIONS
1117	Oxalate production at different initial Pb ²⁺ concentrations and the influence of oxalate during solid-state fermentation of straw with <i>Phanerochaete chrysosporium</i> . <i>Bioresource Technology</i> , 2011, 102, 8137-8142.	9.6	41
1118	Relative contributions of archaea and bacteria to microbial ammonia oxidation differ under different conditions during agricultural waste composting. <i>Bioresource Technology</i> , 2011, 102, 9026-9032.	9.6	123
1119	Time-resolved fluorescence biosensor for adenosine detection based on home-made europium complexes. <i>Biosensors and Bioelectronics</i> , 2011, 29, 178-183.	10.1	34
1120	Preparation and application of stability enhanced magnetic nanoparticles for rapid removal of Cr(VI). <i>Chemical Engineering Journal</i> , 2011, 175, 222-227.	12.7	183
1121	Coarsening of extracellularly biosynthesized cadmium crystal particles induced by thioacetamide in solution. <i>Chemosphere</i> , 2011, 83, 1201-1207.	8.2	27
1122	A GIS-Based Spatial Multi-Criteria Approach for Flood Risk Assessment in the Dongting Lake Region, Hunan, Central China. <i>Water Resources Management</i> , 2011, 25, 3465-3484.	3.9	262
1123	Rapid detection of <i>Staphylococcus aureus</i> via a sensitive DNA hybridization assay based on a long-lifetime luminescent europium marker. <i>Mikrochimica Acta</i> , 2011, 175, 105-112.	5.0	10
1124	Effect of monorhamnolipid on the degradation of n-hexadecane by <i>Candida tropicalis</i> and the association with cell surface properties. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1155-1161.	3.6	56
1125	Effects of physico-chemical parameters on the bacterial and fungal communities during agricultural waste composting. <i>Bioresource Technology</i> , 2011, 102, 2950-2956.	9.6	221
1126	Effect of saponins on cell surface properties of <i>Penicillium simplicissimum</i> : Performance on adsorption of cadmium(II). <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 364-369.	5.0	38
1127	Effect of Biosurfactants on Laccase Production and Phenol Biodegradation in Solid-State Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 103-114.	2.9	36
1128	Effects of surfactants on enzyme-containing reversed micellar system. <i>Science China Chemistry</i> , 2011, 54, 715-723.	8.2	15
1129	Impacts of land-use change on ecosystem service value in Changsha, China. <i>Journal of Central South University</i> , 2011, 18, 420-428.	3.0	19
1130	Laccase biosensor using magnetic multiwalled carbon nanotubes and chitosan/silica hybrid membrane modified magnetic carbon paste electrode. <i>Central South University</i> , 2011, 18, 1849-1856.	0.5	20
1131	Removal of phosphate from aqueous solution by magnetic Fe ²⁺ -Zr binary oxide. <i>Chemical Engineering Journal</i> , 2011, 171, 448-455.	12.7	290
1132	Response of compost maturity and microbial community composition to pentachlorophenol (PCP)-contaminated soil during composting. <i>Bioresource Technology</i> , 2011, 102, 5905-5911.	9.6	63
1133	Adsorption of chromium (VI) by ethylenediamine-modified cross-linked magnetic chitosan resin: Isotherms, kinetics and thermodynamics. <i>Journal of Hazardous Materials</i> , 2011, 185, 306-314.	12.4	730
1134	Micellar-enhanced ultrafiltration of cadmium and methylene blue in synthetic wastewater using SDS. <i>Journal of Hazardous Materials</i> , 2011, 185, 1304-1310.	12.4	70

#	ARTICLE	IF	CITATIONS
1135	Pilot study of low-temperature low-turbidity reservoir water treatment using dual-media filtration with micro-flocculation. , 2011, , .		0
1136	Performance of the Tidal-Flow Wetland for Wastewater Treatment in Low Temperature Seasons. , 2011, , .		0
1137	FACILE SYNTHESIS OF HUMIC ACID-COATED IRON OXIDE NANOPARTICLES AND THEIR APPLICATIONS IN WASTEWATER TREATMENT. Functional Materials Letters, 2011, 04, 373-376.	1.2	12
1138	BAF-SCAD for advanced wastewater nitrogen removal. , 2011, , .		0
1139	Understanding Lignin-Degrading Reactions of Ligninolytic Enzymes: Binding Affinity and Interactional Profile. PLoS ONE, 2011, 6, e25647.	2.5	65
1140	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
1141	Biosorption of cadmium(II) from aqueous solution onto Hydrilla verticillata. Environmental Earth Sciences, 2010, 60, 1683-1691.	2.7	28
1142	Prediction of dust fall concentrations in urban atmospheric environment through support vector regression. Central South University, 2010, 17, 307-315.	0.5	6
1143	Production and characterization of biosurfactant from Bacillus subtilis CCTCC AB93108. Central South University, 2010, 17, 516-521.	0.5	5
1144	Synergy of adsorption and visible light photocatalysis to decolor methyl orange by activated carbon/nanosized CdS/chitosan composite. Central South University, 2010, 17, 1223-1229.	0.5	22
1145	Biomass accumulation and control strategies in gas biofiltration. Biotechnology Advances, 2010, 28, 531-540.	11.7	234
1146	Mycelial growth and solid-state fermentation of lignocellulosic waste by white-rot fungus Phanerochaete chrysosporium under lead stress. Chemosphere, 2010, 81, 1091-1097.	8.2	67
1147	Effects of monorhamnolipid and Tween 80 on the degradation of phenol by Candida tropicalis. Process Biochemistry, 2010, 45, 805-809.	3.7	48
1148	Effects of inoculation with Phanerochaete chrysosporium at various time points on enzyme activities during agricultural waste composting. Bioresource Technology, 2010, 101, 222-227.	9.6	170
1149	Biosorption of cadmium by endophytic fungus (EF) Microsphaeropsis sp. LSE10 isolated from cadmium hyperaccumulator Solanum nigrum L.. Bioresource Technology, 2010, 101, 1668-1674.	9.6	202
1150	Bioremediation of heavy metals by growing hyperaccumulator endophytic bacterium Bacillus sp. L14. Bioresource Technology, 2010, 101, 8599-8605.	9.6	320
1151	Pricing decision for remanufactured and refurbished products about WEEE. , 2010, , .		0
1152	Removal of Gas-Phase Element Mercury by Activated Carbon Fiber Impregnated with CeO ₂ . Energy & Fuels, 2010, 24, 4250-4254.	5.1	94

#	ARTICLE	IF	CITATIONS
1153	Treatment of the Wastewater Containing Cd ²⁺ Using Micellar Enhanced Ultrafiltration Combined with Foam Fractionation. <i>Environmental Engineering Science</i> , 2009, 26, 761-766.	1.6	9
1154	Laboratory Study on Composting of Soil with Combined Pollutants of Phenanthrene and Lead. , 2009, , .		0
1155	Integrated Geographic Information Systems-Based Suitability Evaluation of Urban Land Expansion: A Combination of Analytic Hierarchy Process and Grey Relational Analysis. <i>Environmental Engineering Science</i> , 2009, 26, 1025-1032.	1.6	15
1156	Decision Making on WEEE Recycle Product Quality and Recycling Logistics Technology Investment. , 2009, , .		0
1157	Novel Neural Network-Based Prediction Model for Quantifying Hydroquinone in Compost with Biosensor Measurements. <i>Environmental Engineering Science</i> , 2009, 26, 1063-1070.	1.6	11
1158	Influence factors analysis of removing heavy metals from multiple metal-contaminated soils with different extractants. <i>Central South University</i> , 2009, 16, 108-111.	0.5	8
1159	Speciation of chromium in soil inoculated with Cr(VI)-reducing strain, <i>Bacillus</i> sp. XW-4. <i>Central South University</i> , 2009, 16, 253-257.	0.5	2
1160	Fluorescence spectroscopy characteristics of humic acid by inoculating white-rot fungus during different phases of agricultural waste composting. <i>Central South University</i> , 2009, 16, 440-443.	0.5	20
1161	Effect and mechanism of carbon sources on phosphorus uptake by microorganisms in sequencing batch reactors with the single-stage oxic process. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2358-2365.	0.8	5
1162	Temporal and spatial characteristics of surface water quality by an improved universal pollution index in red soil hilly region of South China: a case study in Liuyanghe River watershed. <i>Environmental Geology</i> , 2009, 58, 101-107.	1.2	24
1163	The probable metabolic relation between phosphate uptake and energy storages formations under single-stage oxic condition. <i>Bioresource Technology</i> , 2009, 100, 4005-4011.	9.6	45
1164	Removal of cationic dyes from aqueous solution using magnetic multi-wall carbon nanotube nanocomposite as adsorbent. <i>Journal of Hazardous Materials</i> , 2009, 164, 1517-1522.	12.4	928
1165	Removal of cadmium ions using micellar-enhanced ultrafiltration with mixed anionic-nonionic surfactants. <i>Journal of Membrane Science</i> , 2009, 326, 303-309.	8.2	52
1166	Sensitive detection of lip genes by electrochemical DNA sensor and its application in polymerase chain reaction amplicons from <i>Phanerochaete chrysosporium</i> . <i>Biosensors and Bioelectronics</i> , 2009, 24, 1474-1479.	10.1	52
1167	An Interval Mixed-Integer Semi-Infinite Programming Method for Municipal Solid Waste Management. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 236-246.	1.9	23
1168	Spatial analysis of human health risk associated with ingesting manganese in Huangxing Town, Middle China. <i>Chemosphere</i> , 2009, 77, 368-375.	8.2	73
1169	Uncertainty Analysis of Stochastic Solute Transport in a Heterogeneous Aquifer. <i>Environmental Engineering Science</i> , 2009, 26, 359-368.	1.6	10
1170	Supplemental Material to 'Effect of E85 on Tailpipe Emissions from Light-Duty Vehicles'. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, .	0.1	0

#	ARTICLE	IF	CITATIONS
1171	Supplemental Material to `Chloride Behavior in Washing Experiments of Two Kinds of Municipal Solid Waste Incinerator Fly Ash with Different Alkaline Reagents`. Journal of the Air and Waste Management Association, 2009, 59, .	0.1	0
1172	Salt Effect on Polymerizable Vesicles of Allyl Dodecyl Dimethylammonium Bromide and Sodium Dodecyl Sulfonate in Aqueous Solution. Chinese Journal of Chemistry, 2008, 26, 439-444.	4.9	2
1173	Effects of dirhamnolipid and SDS on enzyme production from Phanerochaete chrysosporium in submerged fermentation. Process Biochemistry, 2008, 43, 1300-1303.	3.7	29
1174	Recovery of surfactant SDS and Cd ²⁺ from permeate in MEUF using a continuous foam fractionator. Journal of Hazardous Materials, 2008, 155, 32-38.	12.4	63
1175	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
1176	Biological phosphorus removal in sequencing batch reactor with single-stage oxic process. Bioresource Technology, 2008, 99, 5466-5473.	9.6	97
1177	Subcellular distribution and chemical forms of cadmium in Bechmeria nivea (L.) Gaud.. Environmental and Experimental Botany, 2008, 62, 389-395.	4.2	269
1178	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
1179	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
1180	Form Distribution and Transformation of Pb in Composting of Pb-Polluted Lignocellulosic Waste with White-Rot Fungi. , 2008, , .		0
1181	Copper Transfer from Compost to Red Soil in Simulated Rainfall Condition. , 2008, , .		0
1182	Deposition, Canopy and Soil Retention of Inorganic Nitrogen in a Subtropical Mixed Forest in Central-South China. , 2008, , .		0
1183	Airflow Simulation of an Umbrella Plate Scrubber. , 2008, , .		1
1184	Identification of Optimal Urban Solid Waste Flow Schemes under Impacts of Energy Prices. Environmental Engineering Science, 2008, 25, 685-696.	1.6	22
1185	Deposition patterns in bulk precipitation and throughfall in a subtropical mixed forest in central-south China. Forestry, 2007, 80, 211-221.	2.3	8
1186	Composting of lead-contaminated solid waste with inocula of white-rot fungus. Bioresource Technology, 2007, 98, 320-326.	9.6	82
1187	A hydroquinone biosensor using modified core-shell magnetic nanoparticles supported on carbon paste electrode. Biosensors and Bioelectronics, 2007, 22, 2121-2126.	10.1	271
1188	Optimization of wastewater treatment alternative selection by hierarchy grey relational analysis. Journal of Environmental Management, 2007, 82, 250-259.	7.8	171

#	ARTICLE	IF	CITATIONS
1189	Kinetic and Equilibrium Studies of Cr(VI) Biosorption by Dead <i>Bacillus licheniformis</i> Biomass. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 43-48.	3.6	108
1190	Enrichment and granulation of Anammox biomass started up with methanogenic granular sludge. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 1015-1020.	3.6	20
1191	Co-degradation with glucose of four surfactants, CTAB, Triton X-100, SDS and Rhamnolipid, in liquid culture media and compost matrix. <i>Biodegradation</i> , 2007, 18, 303-310.	3.0	87
1192	Short-term prediction of the influent quantity time series of wastewater treatment plant based on a chaos neural network model. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007, 1, 334-338.	0.8	4
1193	Numerical simulation for volatile organic compound removal in rotating drum biofilter. <i>Science Bulletin</i> , 2007, 52, 2184-2189.	1.7	6
1194	Adsorption behavior of bisphenol A on sediments in Xiangjiang River, Central-south China. <i>Chemosphere</i> , 2006, 65, 1490-1499.	8.2	112
1195	Exchange of Proton and Major Elements in Two-Layer Canopies Under Acid Rain in a Subtropical Evergreen Forest in Central-South China. <i>Journal of Integrative Plant Biology</i> , 2006, 48, 1154-1162.	8.5	5
1196	Application of Bayesian Regularized BP Neural Network Model for Trend Analysis, Acidity and Chemical Composition of Precipitation in North Carolina. <i>Water, Air, and Soil Pollution</i> , 2006, 172, 167-184.	2.4	25
1197	Remediation of pentachlorophenol-contaminated soil by composting with immobilized <i>Phanerochaete chrysosporium</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 909-913.	3.6	22
1198	The stimulatory effects of surfactants on composting of waste rich in cellulose. <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 1121-1127.	3.6	64
1199	Scaling and correlation of atmospheric acid deposition evolutions. <i>Stochastic Environmental Research and Risk Assessment</i> , 2006, 21, 143-149.	4.0	1
1200	Deposition pattern of precipitation and throughfall in a subtropical evergreen forest in south-central China. <i>Journal of Forest Research</i> , 2006, 11, 389-396.	1.4	6
1201	Stream water chemistry and nitrogen export from a subtropical-forested catchment in Hunan in central-southern China. <i>Diqu Huaxue</i> , 2006, 25, 211-211.	0.5	0
1202	Effects of Exogenous Spermidine on Antioxidant System Responses of <i>Typha latifolia</i> L. Under Cd ²⁺ Stress. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 428-434.	8.5	51
1203	Self-Organized Critical Behavior of Acid Deposition. <i>Water, Air, and Soil Pollution</i> , 2005, 162, 295-313.	2.4	2
1204	Detection of phenylhydrazine based on lectin-glycoenzyme multilayer-film modified biosensor. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 111-125.	3.3	18
1205	Effects of metallic derivatives in adsorbent derived from sewage sludge on adsorption of sulfur dioxide. <i>Central South University</i> , 2004, 11, 55-58.	0.5	6
1206	Determination of trace chromium(VI) by an inhibition-based enzyme biosensor incorporating an electropolymerized aniline membrane and ferrocene as electron transfer mediator. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 761-774.	3.3	50

#	ARTICLE	IF	CITATIONS
1207	Optimum municipal wastewater treatment plant design with consideration of uncertainty. Journal of Environmental Sciences, 2004, 16, 126-31.	6.1	7
1208	Aminobenzothiazole Schiff Base as a Fluorescence Carrier for Sensor Preparation and Furazolidone Assay. Analytical Letters, 2003, 36, 2609-2622.	1.8	5
1209	A new model for the grid size optimization of the finite element method " Based on its application to the water quality modeling of the topographically complicated river*. Progress in Natural Science: Materials International, 2003, 13, 920-926.	4.4	2
1210	Water environmental planning considering the influence of non-linear characteristics. Journal of Environmental Sciences, 2003, 15, 800-7.	6.1	3