Jun Hou

List of Publications by Year in Descending Order

186 papers	5,939 citations	42 h-index	67 g-index
192 ext. papers	7,358 ext. citations	7.7 avg, IF	6.24 L-index

#	Paper	IF	Citations
186	Influence of aggregation and sedimentation behavior of bare and modified zero-valent-iron nanoparticles on the Cr(VI) removal under various groundwater chemistry conditions.. *Chemosphere* , **2022**, 296, 133905	8.4	1
185	Intimately coupled photocatalysis and biodegradation for effective simultaneous removal of sulfamethoxazole and COD from synthetic domestic wastewater. *Journal of Hazardous Materials*, **2022**, 423, 127063	12.8	5
184	Polystyrene nanoplastics change the functional traits of biofilm communities in freshwater environment revealed by GeoChip 5.0. *Journal of Hazardous Materials*, **2022**, 423, 127117	12.8	3
183	A novel co-graft tannin-based flocculant for the mitigation of harmful algal blooms (HABs): The effect of charge density and molecular weight. *Science of the Total Environment*, **2022**, 806, 150518	10.2	1
182	Can the carbon metabolic activity of biofilm be regulated by the hydrodynamic conditions in urban rivers?. *Science of the Total Environment*, **2022**, 155082	10.2	0
181	A critical review on the interaction of iron-based nanoparticles with blue-green algae and their metabolites: From mechanisms to applications. *Algal Research*, **2022**, 64, 102670	5	3
180	Effects of sediment physicochemical factors and heavy metals on the diversity, structure, and functions of bacterial and fungal communities from a eutrophic river.. *Environmental Pollution*, **2022**, 303, 119129	9.3	2
179	The role of nitrate in simultaneous removal of nitrate and trichloroethylene by sulfidated zero-valent Iron.. *Science of the Total Environment*, **2022**, 829, 154304	10.2	0
178	Surface Properties and Environmental Transformations Controlling the Bioaccumulation and Toxicity of Cerium Oxide Nanoparticles: A Critical Review. *Reviews of Environmental Contamination and Toxicology*, **2021**, 253, 155-206	3.5	5
177	Optimized ratoon rice system to sustain cleaner food production in Jianghan Plain, China: a comprehensive emergy assessment. *Environmental Science and Pollution Research*, **2021**, 1	5.1	0
176	Antibiotic resistance genes alternation in soils modified with neutral and alkaline salts: interplay of salinity stress and response strategies of microbes.. *Science of the Total Environment*, **2021**, 809, 152246	10.2	2
175	Microbial Carbon Metabolic Functions in Sediments Influenced by Resuspension Event. *Water (Switzerland)*, **2021**, 13, 7	3	1
174	Simultaneous Removal of Selenite and Selenate by Nanosized Zerovalent Iron in Anoxic Systems: The Overlooked Role of Selenite. *Environmental Science & Technology*, **2021**, 55, 6299-6308	10.3	5
173	Investigation on the adsorption and desorption behaviors of heavy metals by tire wear particles with or without UV ageing processes. *Environmental Research*, **2021**, 195, 110858	7.9	11
172	Antibiotic resistance genes attenuation in anaerobic microorganisms during iron uptake from zero valent iron: An iron-dependent form of homeostasis and roles as regulators. *Water Research*, **2021**, 195, 116979	12.5	10
171	Adsorption and desorption behaviors of antibiotics by tire wear particles and polyethylene microplastics with or without aging processes. *Science of the Total Environment*, **2021**, 771, 145451	10.2	16
170	Effects of biofilm colonization on the sinking of microplastics in three freshwater environments. *Journal of Hazardous Materials*, **2021**, 413, 125370	12.8	26

169	Periphytic Biofilm Formation on Natural and Artificial Substrates: Comparison of Microbial Compositions, Interactions, and Functions. *Frontiers in Microbiology*, **2021**, 12, 684903	5.7	4
168	Deciphering the effects of CeO nanoparticles on Escherichia coli in the presence of ferrous and sulfide ions: Physicochemical transformation-induced toxicity and detoxification mechanisms. *Journal of Hazardous Materials*, **2021**, 413, 125300	12.8	2
167	Investigation on the adsorption and desorption behaviors of antibiotics by degradable MPs with or without UV ageing process. *Journal of Hazardous Materials*, **2021**, 401, 123363	12.8	64
166	Distinct microbial metabolic activities of biofilms colonizing microplastics in three freshwater ecosystems. *Journal of Hazardous Materials*, **2021**, 403, 123577	12.8	25
165	Comparison of adsorption behavior studies of methylene blue by microalga residue and its biochars produced at different pyrolytic temperatures. *Environmental Science and Pollution Research*, **2021**, 28, 14028-14040	5.1	8
164	Investigation on the adsorption of antibiotics from water by metal loaded sewage sludge biochar. *Water Science and Technology*, **2021**, 83, 739-750	2.2	4
163	In situ prepared algae-supported iron sulfide to remove hexavalent chromium. *Environmental Pollution*, **2021**, 274, 115831	9.3	3
162	The sustainability of rice-crayfish coculture systems: a mini review of evidence from Jianghan plain in China. *Journal of the Science of Food and Agriculture*, **2021**, 101, 3843-3853	4.3	8
161	Biochar produced from the co-pyrolysis of sewage sludge and waste tires for cadmium and tetracycline adsorption from water. *Water Science and Technology*, **2021**, 83, 1429-1445	2.2	3
160	Nutrient accumulation from excessive nutrient surplus caused by shifting from rice monoculture to rice-crayfish rotation. *Environmental Pollution*, **2021**, 271, 116367	9.3	6
159	Harvesting freshwater microalgae with natural polymer flocculants. *Algal Research*, **2021**, 57, 102358	5	4
158	Attenuation effects of iron on dissemination of antibiotic resistance genes in anaerobic bioreactor: Evolution of quorum sensing, quorum quenching and dynamics of community composition. *Journal of Hazardous Materials*, **2021**, 416, 126136	12.8	3
157	Effects of zero valent iron on nitrate removal in anaerobic bioreactor with various carbon-to-nitrate ratios: Bio-electrochemical properties, energy regulation strategies and biological response mechanisms. *Chemical Engineering Journal*, **2021**, 419, 129646	14.7	13
156	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High-Performance Quasi-Homogeneous Photocatalytic H O Production. *Angewandte Chemie - International Edition*, **2021**, 60, 25546-25550	16.4	43
155	Biofilm influenced metal accumulation onto plastic debris in different freshwaters. *Environmental Pollution*, **2021**, 285, 117646	9.3	2
154	The effect of carbonization temperature on the capacity and mechanisms of Pb(II) adsorption by microalgae residue-derived biochar. *Ecotoxicology and Environmental Safety*, **2021**, 225, 112750	7	3
153	Rice-crayfish systems are not a panacea for sustaining cleaner food production. *Environmental Science and Pollution Research*, **2021**, 28, 22913-22926	5.1	7
152	Chronic exposure to CuO nanoparticles induced community structure shift and a delay inhibition of microbial functions in multi-species biofilms. *Journal of Cleaner Production*, **2020**, 262, 121353	10.3	7

151	The Fate of p-Nitrophenol in Goethite-Rich and Sulfide-Containing Dynamic Anoxic/Oxic Environments. *Environmental Science & Technology*, **2020**, 54, 9427-9436	10.3	7
150	Effects of silver nanoparticles on coupled nitrification-denitrification in suspended sediments. *Journal of Hazardous Materials*, **2020**, 389, 122130	12.8	14
149	Transport behavior of micro polyethylene particles in saturated quartz sand: Impacts of input concentration and physicochemical factors. *Environmental Pollution*, **2020**, 263, 114499	9.3	21
148	Insights into spatial effects of ceria nanoparticles on oxygen mass transfer in wastewater biofilms: Interfacial microstructure, in-situ microbial activity and metabolism regulation mechanism. *Water Research*, **2020**, 176, 115731	12.5	11
147	Effects of Ag NPs on denitrification in suspended sediments via inhibiting microbial electron behaviors. *Water Research*, **2020**, 171, 115436	12.5	24
146	Development of a comprehensive understanding of aggregation-settling movement of CeO nanoparticles in natural waters. *Environmental Pollution*, **2020**, 257, 113584	9.3	4
145	Dynamic responses of community structure and microbial functions of periphytic biofilms during chronic exposure to TiO2 NPs. *Environmental Science: Nano*, **2020**, 7, 665-675	7.1	3
144	Optimization of cyanobacterial harvesting and extracellular organic matter removal utilizing magnetic nanoparticles and response surface methodology: A comparative study. *Algal Research*, **2020**, 45, 101756	5	12
143	Microbial carbon metabolic functions of biofilms on plastic debris influenced by the substrate types and environmental factors. *Environment International*, **2020**, 143, 106007	12.9	15
142	Degradation of Tetrabromobisphenol A by Sulfidated Nanoscale Zerovalent Iron in a Dynamic Two-Step Anoxic/Oxic Process. *Environmental Science & Technology*, **2019**, 53, 8105-8114	10.3	39
141	Effects of titanium dioxide nanoparticles on algal and bacterial communities in periphytic biofilms. *Environmental Pollution*, **2019**, 251, 407-414	9.3	22
140	Quantitative measurement of aggregation kinetics process of nanoparticles using nanoparticle tracking analysis and dynamic light scattering. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	5
139	Effects of cerium oxide nanoparticles on bacterial growth and behaviors: induction of biofilm formation and stress response. *Environmental Science and Pollution Research*, **2019**, 26, 9293-9304	5.1	9
138	Zero valent iron supported biological denitrification for farmland drainage treatments with low organic carbon: Performance and potential mechanisms. *Science of the Total Environment*, **2019**, 689, 1044-1053	10.2	16
137	Acute effects of nanoplastics and microplastics on periphytic biofilms depending on particle size, concentration and surface modification. *Environmental Pollution*, **2019**, 255, 113300	9.3	47
136	Effects of Nanoplastics on Freshwater Biofilm Microbial Metabolic Functions as Determined by BIOLOG ECO Microplates. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	16
135	Removing specific extracellular organic matter from algal bloom water by Tanfloc flocculation: Performance and mechanisms. *Separation and Purification Technology*, **2019**, 212, 65-74	8.3	18
134	Low concentrations of copper oxide nanoparticles alter microbial community structure and function of sediment biofilms. *Science of the Total Environment*, **2019**, 653, 705-713	10.2	23

133	Distinct community structure and microbial functions of biofilms colonizing microplastics. *Science of the Total Environment*, **2019**, 650, 2395-2402	10.2	204
132	Effects of Ag and AgS nanoparticles on denitrification in sediments. *Water Research*, **2018**, 137, 28-36	12.5	57
131	Changes in Microcystis aeruginosa cell integrity and variation in microcystin-LR and proteins during Tanfloc flocculation and floc storage. *Science of the Total Environment*, **2018**, 626, 264-273	10.2	17
130	Responses of wastewater biofilms to chronic CeO nanoparticles exposure: Structural, physicochemical and microbial properties and potential mechanism. *Water Research*, **2018**, 133, 208-217	12.5	44
129	Interpretation of the disparity in harvesting efficiency of different types of Microcystis aeruginosa using polyethylenimine (PEI)-coated magnetic nanoparticles. *Algal Research*, **2018**, 29, 257-265	5	20
128	Enhanced anaerobic biological treatment of chlorpyrifos in farmland drainage with zero valent iron. *Chemical Engineering Journal*, **2018**, 336, 352-360	14.7	10
127	Phosphate group grafted twinned BiPO4 with significantly enhanced photocatalytic activity: Synergistic effect of improved charge separation efficiency and redox ability. *Applied Catalysis B: Environmental*, **2018**, 234, 90-99	21.8	88
126	Significantly enhanced visible light photocatalytic efficiency of phosphorus doped TiO with surface oxygen vacancies for ciprofloxacin degradation: Synergistic effect and intermediates analysis. *Journal of Hazardous Materials*, **2018**, 351, 196-205	12.8	120
125	Towards a better understanding on aggregation behavior of CeO nanoparticles in different natural waters under flow disturbance. *Journal of Hazardous Materials*, **2018**, 343, 235-244	12.8	18
124	The effects of extracellular polymeric substances on magnetic iron oxide nanoparticles stability and the removal of microcystin-LR in aqueous environments. *Ecotoxicology and Environmental Safety*, **2018**, 148, 89-96	7	10
123	Nanoparticle tracking analysis versus dynamic light scattering: Case study on the effect of Ca and alginate on the aggregation of cerium oxide nanoparticles. *Journal of Hazardous Materials*, **2018**, 360, 319-328	12.8	32
122	Construction of silver iodide/silver/bismuth tantalate Z-scheme photocatalyst for effective visible light degradation of organic pollutants. *Journal of Colloid and Interface Science*, **2018**, 532, 190-200	9.3	39
121	Influence of CeO nanoparticles on viscoelastic properties of sludge: Role of extracellular polymeric substances. *Environmental Research*, **2018**, 167, 34-41	7.9	7
120	Chlorpyrifos and 3,5,6-trichloro-2-pyridinol degradation in zero valent iron coupled anaerobic system: Performances and mechanisms. *Chemical Engineering Journal*, **2018**, 353, 254-263	14.7	35
119	Investigation of the rheological behavior of activated sludge in response to CeO nanoparticles and potential mechanism. *Environmental Science and Pollution Research*, **2018**, 25, 29725-29733	5.1	3
118	Influence of extracellular polymeric substances on cell-NPs heteroaggregation process and toxicity of cerium dioxide NPs to Microcystis aeruginosa. *Environmental Pollution*, **2018**, 242, 1206-1216	9.3	15
117	Strategies and relative mechanisms to attenuate the bioaccumulation and biotoxicity of ceria nanoparticles in wastewater biofilms. *Bioresource Technology*, **2018**, 265, 102-109	11	12
116	In situ surface engineering of ultrafine Ni2P nanoparticles on cadmium sulfide for robust hydrogen evolution. *Catalysis Science and Technology*, **2018**, 8, 5406-5415	5.5	53

115	Synergistic effect of surface phase junction and surface defects on enhancing the photocatalytic performance of BiPO4. *Micro and Nano Letters*, **2018**, 13, 720-724	0.9	1
114	Construction of a composite photocatalyst with significantly enhanced photocatalytic performance through combination of homo-junction with hetero-junction. *Catalysis Science and Technology*, **2018**, 8, 486-498	5.5	29
113	Effect of TiO and CeO nanoparticles on the metabolic activity of surficial sediment microbial communities based on oxygen microelectrodes and high-throughput sequencing. *Water Research*, **2018**, 129, 287-296	12.5	23
112	Effects of silver sulfide nanoparticles on the microbial community structure and biological activity of freshwater biofilms. *Environmental Science: Nano*, **2018**, 5, 2899-2908	7.1	21
111	Spatial and Temporal Distribution of Particulate Phosphorus and Their Correlation with Environmental Factors in a Shallow Eutrophic Chinese Lake (Lake Taihu). *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	10
110	Mechanistic understanding of cerium oxide nanoparticle-mediated biofilm formation in Pseudomonas aeruginosa. *Environmental Science and Pollution Research*, **2018**, 25, 34765-34776	5.1	6
109	Aggregation, sedimentation, and dissolution of CuO and ZnO nanoparticles in five waters. *Environmental Science and Pollution Research*, **2018**, 25, 31240-31249	5.1	27
108	Influence of silver nanoparticles on benthic oxygen consumption of microbial communities in freshwater sediments determined by microelectrodes. *Environmental Pollution*, **2017**, 224, 771-778	9.3	17
107	Adsorption of perfluorooctane sulfonate on soils: Effects of soil characteristics and phosphate competition. *Chemosphere*, **2017**, 168, 1383-1388	8.4	28
106	Insights into the short-term effects of CeO nanoparticles on sludge dewatering and related mechanism. *Water Research*, **2017**, 118, 93-103	12.5	98
105	Comparison of in situ DGT measurement with ex situ methods for predicting cadmium bioavailability in soils with combined pollution to biotas. *Water Science and Technology*, **2017**, 75, 2171-2178	2.2	5
104	The use of zero-valent iron (ZVI)–microbe technology for wastewater treatment with special attention to the factors influencing performance: A critical review. *Critical Reviews in Environmental Science and Technology*, **2017**, 47, 877-907	11.1	25
103	Transport, retention, and long-term release behavior of polymer-coated silver nanoparticles in saturated quartz sand: The impact of natural organic matters and electrolyte. *Environmental Pollution*, **2017**, 229, 49-59	9.3	24
102	Effects of cerium oxide nanoparticles on the species and distribution of phosphorus in enhanced phosphorus removal sequencing batch biofilm reactor. *Bioresource Technology*, **2017**, 227, 393-397	11	25
101	Co-adsorption of perfluorooctane sulfonate and phosphate on boehmite: Influence of temperature, phosphate initial concentration and pH. *Ecotoxicology and Environmental Safety*, **2017**, 137, 71-77	7	24
100	Shift in bacterioplankton diversity and structure: Influence of anthropogenic disturbances along the Yarlung Tsangpo River on the Tibetan Plateau, China. *Scientific Reports*, **2017**, 7, 12529	4.9	31
99	Transport and long-term release behavior of polymer-coated silver nanoparticles in saturated quartz sand: The impacts of input concentration, grain size and flow rate. *Water Research*, **2017**, 127, 86-95	12.5	16
98	Application of zero valent iron coupling with biological process for wastewater treatment: a review. *Reviews in Environmental Science and Biotechnology*, **2017**, 16, 667-693	13.9	35

97	Noble-metal-free nickel phosphide modified CdS/CN nanorods for dramatically enhanced photocatalytic hydrogen evolution under visible light irradiation. *Dalton Transactions*, **2017**, 46, 13793-13801	4.3	103
96	The effect of anthropogenic impoundment on dissolved organic matter characteristics and copper binding affinity: Insights from fluorescence spectroscopy. *Chemosphere*, **2017**, 188, 424-433	8.4	25
95	Long term effects of cerium dioxide nanoparticles on the nitrogen removal, micro-environment and community dynamics of a sequencing batch biofilm reactor. *Bioresource Technology*, **2017**, 245, 573-580	11	16
94	Impact of macrozoobenthic bioturbation and wind fluctuation interactions on net methylmercury in freshwater lakes. *Water Research*, **2017**, 124, 320-330	12.5	14
93	Combining Heterojunction Engineering with Surface Cocatalyst Modification To Synergistically Enhance the Photocatalytic Hydrogen Evolution Performance of Cadmium Sulfide Nanorods. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 7670-7677	8.3	107
92	Heavy metal pollution status and ecological risks of sediments under the influence of water transfers in Taihu Lake, China. *Environmental Science and Pollution Research*, **2017**, 24, 2653-2666	5.1	18
91	Effects of carbon nanotubes on physicochemical properties and sulfamethoxazole adsorption of sediments with or without aging processes. *Chemical Engineering Journal*, **2017**, 310, 317-327	14.7	20
90	Algal growth and utilization of phosphorus studied by combined mono-culture and co-culture experiments. *Environmental Pollution*, **2017**, 220, 274-285	9.3	37
89	Effects of CeO, CuO, and ZnO nanoparticles on physiological features of Microcystis aeruginosa and the production and composition of extracellular polymeric substances. *Environmental Science and Pollution Research*, **2017**, 24, 226-235	5.1	30
88	Response of wastewater biofilm to CuO nanoparticle exposure in terms of extracellular polymeric substances and microbial community structure. *Science of the Total Environment*, **2017**, 579, 588-597	10.2	61
87	The Evaluation on the Cadmium Net Concentration for Soil Ecosystems. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	3
86	Effects of titanium dioxide (TiO) nanoparticles on the photodissolution of particulate organic matter: Insights from fluorescence spectroscopy and environmental implications. *Environmental Pollution*, **2017**, 229, 19-28	9.3	8
85	DEVELOPMENT OF A MULTI-INDEX ECOSYSTEM HEALTH ASSESSMENT MODEL USING BACK-PROPAGATION NEURAL NETWORK APPROACH: A CASE STUDY OF THE YANGTZE ESTUARY, CHINA. *Environmental Engineering and Management Journal*, **2017**, 16, 1551-1561	0.6	0
84	In situ high-resolution evaluation of labile arsenic and mercury in sediment of a large shallow lake. *Science of the Total Environment*, **2016**, 541, 83-91	10.2	27
83	Long-term effects of CuO nanoparticles on the surface physicochemical properties of biofilms in a sequencing batch biofilm reactor. *Applied Microbiology and Biotechnology*, **2016**, 100, 9629-9639	5.7	18
82	Impacts of CuO nanoparticles on nitrogen removal in sequencing batch biofilm reactors after short-term and long-term exposure and the functions of natural organic matter. *Environmental Science and Pollution Research*, **2016**, 23, 22116-22125	5.1	25
81	In-situ growth of Ag3VO4 nanoparticles onto BiOCl nanosheet to form a heterojunction photocatalyst with enhanced performance under visible light irradiation. *Journal of Alloys and Compounds*, **2016**, 688, 1-7	5.7	40
80	Antioxidant enzyme activities as biomarkers of fluvial biofilm to ZnO NPs ecotoxicity and the Integrated Biomarker Responses (IBR) assessment. *Ecotoxicology and Environmental Safety*, **2016**, 133, 10-7	7	40

79	Modeling the Biodegradation of Bacterial Community Assembly Linked Antibiotics in River Sediment Using a Deterministic-Stochastic Combined Model. *Environmental Science & Technology*, **2016**, 50, 8788-98	10.3	20
78	Flow characteristics of the wind-driven current with submerged and emergent flexible vegetations in shallow lakes. *Journal of Hydrodynamics*, **2016**, 28, 746-756	3.3	7
77	Speciation of potentially mobile Si in Yangtze Estuary surface sediments: estimates using a modified sequential extraction technique. *Environmental Science and Pollution Research*, **2016**, 23, 18928-41	5.1	2
76	Effect of alginate on the aggregation kinetics of copper oxide nanoparticles (CuO NPs): bridging interaction and hetero-aggregation induced by Ca(2.). *Environmental Science and Pollution Research*, **2016**, 23, 11611-9	5.1	36
75	Effects of iron on growth, antioxidant enzyme activity, bound extracellular polymeric substances and microcystin production of Microcystis aeruginosa FACHB-905. *Ecotoxicology and Environmental Safety*, **2016**, 132, 231-9	7	26
74	In situ, high resolution ZrO-Chelex DGT for the investigation of iron-coupled inactivation of arsenic in sediments by macrozoobenthos bioturbation and hydrodynamic interactions. *Science of the Total Environment*, **2016**, 562, 451-462	10.2	19
73	Bismuth oxychloride modified titanium phosphate nanoplates: A new p-n type heterostructured photocatalyst with high activity for the degradation of different kinds of organic pollutants. *Journal of Colloid and Interface Science*, **2016**, 476, 71-78	9.3	40
72	Keystone indices probabilistic species sensitivity distribution in the case of the derivation of water quality criteria for copper in Tai Lake. *Environmental Science and Pollution Research*, **2016**, 23, 13047-61	5.1	
71	Visible light activated photocatalytic degradation of tetracycline by a magnetically separable composite photocatalyst: Graphene oxide/magnetite/cerium-doped titania. *Journal of Colloid and Interface Science*, **2016**, 467, 129-139	9.3	146
70	One-pot synthesis of AgBr/Ag2CO3 heterojunctions with enhanced visible-light photocatalytic activity. *Materials Letters*, **2016**, 163, 258-261	3.3	7
69	ZnO nanorod arrays co-loaded with Au nanoparticles and reduced graphene oxide: Synthesis, characterization and photocatalytic application. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 492, 71-78	5.1	21
68	Enhanced photocatalytic properties of the 3D flower-like Mg-Al layered double hydroxides decorated with Ag2CO3 under visible light illumination. *Materials Research Bulletin*, **2016**, 80, 23-29	5.1	34
67	Preparation of heterostructured Ag@AgCl/La2Ti2O7 plasmonic photocatalysts with high visible light photocatalytic performance for the degradation of organic pollutants. *RSC Advances*, **2016**, 6, 19223-19232	3.7	10
66	Effect of UV irradiation on the aggregation of TiO2 in an aquatic environment: Influence of humic acid and pH. *Environmental Pollution*, **2016**, 212, 178-187	9.3	32
65	Effects of ZnO nanoparticles and Zn(2+) on fluvial biofilms and the related toxicity mechanisms. *Science of the Total Environment*, **2016**, 544, 230-7	10.2	34
64	Exposure-Dose-Response Relationships of the Freshwater Bivalve Corbicula fluminea to Inorganic Mercury in Sediments. *Journal of Computational and Theoretical Nanoscience*, **2016**, 13, 5714-5723	0.3	5
63	Contributions of different fractions of extracellular polymeric substances from waste-activated sludge to Cu(II) biosorption. *Desalination and Water Treatment*, **2016**, 57, 21405-21416		1
62	Aggregation and removal of copper oxide (CuO) nanoparticles in wastewater environment and their effects on the microbial activities of wastewater biofilms. *Bioresource Technology*, **2016**, 216, 537-44	11	45

61	Adsorption behavior of lead on aquatic sediments contaminated with cerium dioxide nanoparticles. *Environmental Pollution*, **2016**, 219, 416-424	9.3	27
60	Fabrication of novel p-n heterojunction BiOI/La2Ti2O7 composite photocatalysts for enhanced photocatalytic performance under visible light irradiation. *Dalton Transactions*, **2016**, 45, 7986-97	4.3	77
59	Fabrication of p-type BiOCl/n-type La2Ti2O7 facet-coupling heterostructure with enhanced photocatalytic performance. *RSC Advances*, **2016**, 6, 48599-48609	3.7	26
58	Synthesis of novel 2D-2D p-n heterojunction BiOBr/La2Ti2O7 composite photocatalyst with enhanced photocatalytic performance under both UV and visible light irradiation. *Applied Catalysis B: Environmental*, **2016**, 194, 157-168	21.8	208
57	Influence of shear forces on the aggregation and sedimentation behavior of cerium dioxide (CeO2) nanoparticles under different hydrochemical conditions. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	11
56	Assessment of mobilization of labile phosphorus and iron across sediment-water interface in a shallow lake (Hongze) based on in situ high-resolution measurement. *Environmental Pollution*, **2016**, 219, 873-882	9.3	32
55	Effects of CeO nanoparticles on sludge aggregation and the role of extracellular polymeric substances - Explanation based on extended DLVO. *Environmental Research*, **2016**, 151, 698-705	7.9	33
54	Zr oxide-based coloration technique for two-dimensional imaging of labile Cr(VI) using diffusive gradients in thin films. *Science of the Total Environment*, **2016**, 566-567, 1632-1639	10.2	10
53	Influence of CeO NPs on biological phosphorus removal and bacterial community shifts in a sequencing batch biofilm reactor with the differential effects of molecular oxygen. *Environmental Research*, **2016**, 151, 21-29	7.9	18
52	Effects of pH and natural organic matter (NOM) on the adsorptive removal of CuO nanoparticles by periphyton. *Environmental Science and Pollution Research*, **2015**, 22, 7696-704	5.1	22
51	Seasonal and spatial variations of acid-volatile sulphide and simultaneously extracted metals in the Yangtze River Estuary. *Chemistry and Ecology*, **2015**, 31, 466-477	2.3	4
50	Graphene and TiO 2 co-modified flower-like Bi 2 O 2 CO 3 : A novel multi-heterojunction photocatalyst with enhanced photocatalytic activity. *Applied Surface Science*, **2015**, 355, 411-418	6.7	58
49	Effects of CeO□nanoparticles on production and physicochemical characteristics of extracellular polymeric substances in biofilms in sequencing batch biofilm reactor. *Bioresource Technology*, **2015**, 194, 91-8	11	86
48	Response surface modeling and optimization of microcystin-LR removal from aqueous phase by polyacrylamide/sodium alginate□montmorillonite superabsorbent nanocomposite. *Desalination and Water Treatment*, **2015**, 56, 1121-1139		5
47	A BiOBr/Co□Ni layered double hydroxide nanocomposite with excellent adsorption and photocatalytic properties. *RSC Advances*, **2015**, 5, 54613-54621	3.7	24
46	Early diagenetic alterations of biogenic and reactive silica in the surface sediment of the Yangtze Estuary. *Continental Shelf Research*, **2015**, 99, 1-11	2.4	7
45	Interactions between vegetation, water flow and sediment transport: A review. *Journal of Hydrodynamics*, **2015**, 27, 24-37	3.3	65
44	Preparation of CdS nanoparticle loaded flower-like Bi□CO□heterojunction photocatalysts with enhanced visible light photocatalytic activity. *Dalton Transactions*, **2015**, 44, 11321-30	4.3	55

43	Enhanced stability and dissolution of CuO nanoparticles by extracellular polymeric substances in aqueous environment. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	43
42	Investigation on graphene and Pt co-modified CdS nanowires with enhanced photocatalytic hydrogen evolution activity under visible light irradiation. *Dalton Transactions*, **2015**, 44, 16372-82	4.3	37
41	Modeling the Effects of Hydrodynamic Regimes on Microbial Communities within Fluvial Biofilms: Combining Deterministic and Stochastic Processes. *Environmental Science & Technology*, **2015**, 49, 12869-78	10.3	27
40	Effect of CuO nanoparticles on the production and composition of extracellular polymeric substances and physicochemical stability of activated sludge flocs. *Bioresource Technology*, **2015**, 176, 65-70	11	111
39	Preparation of graphene oxide-loaded Ag 3 PO 4 @AgCl and its photocatalytic degradation of methylene blue and O 2 evolution activity under visible light irradiation. *International Journal of Hydrogen Energy*, **2015**, 40, 1016-1025	6.7	22
38	Effect of oxygen vacancy on enhanced photocatalytic activity of reduced ZnO nanorod arrays. *Applied Surface Science*, **2015**, 325, 112-116	6.7	103
37	Photocatalytic degradation of tetrabromobisphenol A by a magnetically separable graphene□TiO2 composite photocatalyst: Mechanism and intermediates analysis. *Chemical Engineering Journal*, **2015**, 264, 113-124	14.7	126
36	The performance of chitosan/montmorillonite nanocomposite during the flocculation and floc storage processes of Microcystis aeruginosa cells. *Environmental Science and Pollution Research*, **2015**, 22, 11148-61	5.1	15
35	Effects of CeO2 nanoparticles on biological nitrogen removal in a sequencing batch biofilm reactor and mechanism of toxicity. *Bioresource Technology*, **2015**, 191, 73-8	11	55
34	Sediment resuspension under action of wind in Taihu Lake, China. *International Journal of Sediment Research*, **2015**, 30, 48-62	3	48
33	Kinetics and thermodynamics of adsorption of methylene blue by a magnetic graphene-carbon nanotube composite. *Applied Surface Science*, **2014**, 290, 116-124	6.7	249
32	Preparation of graphene□carbon nanotube□TiO2 composites with enhanced photocatalytic activity for the removal of dye and Cr (VI). *Applied Catalysis A: General*, **2014**, 473, 83-89	5.1	76
31	Process Optimization for Microcystin-LR Adsorption onto Nano-sized Montmorillonite K10: Application of Response Surface Methodology. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	13
30	Synthesis, characterization and photocatalytic activity of BiOBr□AC composite photocatalyst. *Composites Part B: Engineering*, **2014**, 59, 96-100	10	22
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