

Jun Hou

List of Publications by Year in descending order

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191
papers

8,789
citations

41258

49
h-index

56606

83
g-index

192
all docs

192
docs citations

192
times ranked

9082
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct community structure and microbial functions of biofilms colonizing microplastics. <i>Science of the Total Environment</i> , 2019, 650, 2395-2402.	3.9	387
2	Kinetics and thermodynamics of adsorption of methylene blue by a magnetic graphene-carbon nanotube composite. <i>Applied Surface Science</i> , 2014, 290, 116-124.	3.1	292
3	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High-Performance Quasi-Homogeneous Photocatalytic H ₂ O ₂ Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25546-25550.	7.2	251
4	Synthesis of novel 2D-2D p-n heterojunction BiOBr/La ₂ Ti ₂ O ₇ composite photocatalyst with enhanced photocatalytic performance under both UV and visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 157-168.	10.8	245
5	Investigation on the adsorption and desorption behaviors of antibiotics by degradable MPs with or without UV ageing process. <i>Journal of Hazardous Materials</i> , 2021, 401, 123363.	6.5	211
6	Significantly enhanced visible light photocatalytic efficiency of phosphorus doped TiO ₂ with surface oxygen vacancies for ciprofloxacin degradation: Synergistic effect and intermediates analysis. <i>Journal of Hazardous Materials</i> , 2018, 351, 196-205.	6.5	204
7	The effect of excess Zn on mineral nutrition and antioxidative response in rapeseed seedlings. <i>Chemosphere</i> , 2009, 75, 1468-1476.	4.2	198
8	Visible light activated photocatalytic degradation of tetracycline by a magnetically separable composite photocatalyst: Graphene oxide/magnetite/cerium-doped titania. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 129-139.	5.0	186
9	Metabolic adaptations to ammonia-induced oxidative stress in leaves of the submerged macrophyte <i>Vallisneria spiralis</i> (Lour.) Hara. <i>Aquatic Toxicology</i> , 2008, 87, 88-98.	1.9	149
10	Insights into the short-term effects of CeO ₂ nanoparticles on sludge dewatering and related mechanism. <i>Water Research</i> , 2017, 118, 93-103.	5.3	142
11	Photocatalytic degradation of tetrabromobisphenol A by a magnetically separable graphene-TiO ₂ composite photocatalyst: Mechanism and intermediates analysis. <i>Chemical Engineering Journal</i> , 2015, 264, 113-124.	6.6	140
12	Effect of CuO nanoparticles on the production and composition of extracellular polymeric substances and physicochemical stability of activated sludge flocs. <i>Bioresource Technology</i> , 2015, 176, 65-70.	4.8	134
13	Effect of oxygen vacancy on enhanced photocatalytic activity of reduced ZnO nanorod arrays. <i>Applied Surface Science</i> , 2015, 325, 112-116.	3.1	130
14	A one-pot method for the preparation of graphene-Bi ₂ MoO ₆ hybrid photocatalysts that are responsive to visible-light and have excellent photocatalytic activity in the degradation of organic pollutants. <i>Carbon</i> , 2012, 50, 5256-5264.	5.4	125
15	Combining Heterojunction Engineering with Surface Cocatalyst Modification To Synergistically Enhance the Photocatalytic Hydrogen Evolution Performance of Cadmium Sulfide Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7670-7677.	3.2	123
16	Noble-metal-free nickel phosphide modified CdS/C ₃ N ₄ nanorods for dramatically enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Dalton Transactions</i> , 2017, 46, 13793-13801.	1.6	122
17	Phosphate group grafted twinned BiPO ₄ with significantly enhanced photocatalytic activity: Synergistic effect of improved charge separation efficiency and redox ability. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 90-99.	10.8	115
18	Effects of CeO ₂ nanoparticles on production and physicochemical characteristics of extracellular polymeric substances in biofilms in sequencing batch biofilm reactor. <i>Bioresource Technology</i> , 2015, 194, 91-98.	4.8	103

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19	Acute effects of nanoplastics and microplastics on periphytic biofilms depending on particle size, concentration and surface modification. <i>Environmental Pollution</i> , 2019, 255, 113300.	3.7	100
20	Effects of Pb stress on nutrient uptake and secondary metabolism in submerged macrophyte <i>Vallisneria natans</i> . <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1297-1303.	2.9	96
21	Inhibitory effects of ZnO nanoparticles on aerobic wastewater biofilms from oxygen concentration profiles determined by microelectrodes. <i>Journal of Hazardous Materials</i> , 2014, 276, 164-170.	6.5	95
22	Preparation of graphene-carbon nanotube-TiO ₂ composites with enhanced photocatalytic activity for the removal of dye and Cr (VI). <i>Applied Catalysis A: General</i> , 2014, 473, 83-89.	2.2	95
23	Salicylic acid involved in the regulation of nutrient elements uptake and oxidative stress in <i>Vallisneria natans</i> (Lour.) Hara under Pb stress. <i>Chemosphere</i> , 2011, 84, 136-142.	4.2	94
24	Distribution of metals in water and suspended particulate matter during the resuspension processes in Taihu Lake sediment, China. <i>Quaternary International</i> , 2013, 286, 94-102.	0.7	94
25	Interactions between vegetation, water flow and sediment transport: A review. <i>Journal of Hydrodynamics</i> , 2015, 27, 24-37.	1.3	92
26	Fabrication of novel n heterojunction BiOI/La ₂ Ti ₂ O ₇ composite photocatalysts for enhanced photocatalytic performance under visible light irradiation. <i>Dalton Transactions</i> , 2016, 45, 7986-7997.	1.6	88
27	Effects of biofilm colonization on the sinking of microplastics in three freshwater environments. <i>Journal of Hazardous Materials</i> , 2021, 413, 125370.	6.5	88
28	Preparation, characterization, photocatalytic properties of titania hollow sphere doped with cerium. <i>Journal of Hazardous Materials</i> , 2010, 178, 517-521.	6.5	85
29	Effects of Ag and Ag ₂ S nanoparticles on denitrification in sediments. <i>Water Research</i> , 2018, 137, 28-36.	5.3	84
30	Adsorption and desorption behaviors of antibiotics by tire wear particles and polyethylene microplastics with or without aging processes. <i>Science of the Total Environment</i> , 2021, 771, 145451.	3.9	82
31	Distinct microbial metabolic activities of biofilms colonizing microplastics in three freshwater ecosystems. <i>Journal of Hazardous Materials</i> , 2021, 403, 123577.	6.5	81
32	Preparation of graphene oxide-Ag ₃ PO ₄ composite photocatalyst with high visible light photocatalytic activity. <i>Applied Surface Science</i> , 2013, 271, 265-270.	3.1	76
33	Response of wastewater biofilm to CuO nanoparticle exposure in terms of extracellular polymeric substances and microbial community structure. <i>Science of the Total Environment</i> , 2017, 579, 588-597.	3.9	76
34	Degradation of Tetrabromobisphenol A by Sulfidated Nanoscale Zerovalent Iron in a Dynamic Two-Step Anoxic/Oxic Process. <i>Environmental Science & Technology</i> , 2019, 53, 8105-8114.	4.6	75
35	Sediment resuspension under action of wind in Taihu Lake, China. <i>International Journal of Sediment Research</i> , 2015, 30, 48-62.	1.8	71
36	Effects of Ag NPs on denitrification in suspended sediments via inhibiting microbial electron behaviors. <i>Water Research</i> , 2020, 171, 115436.	5.3	71

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37	<i>In situ</i> surface engineering of ultrafine Ni ₂ P nanoparticles on cadmium sulfide for robust hydrogen evolution. <i>Catalysis Science and Technology</i> , 2018, 8, 5406-5415.	2.1	69
38	Preparation, characterization and photocatalytic activity of the neodymium-doped TiO ₂ hollow spheres. <i>Applied Surface Science</i> , 2010, 257, 227-231.	3.1	68
39	Effects of CeO ₂ nanoparticles on biological nitrogen removal in a sequencing batch biofilm reactor and mechanism of toxicity. <i>Bioresource Technology</i> , 2015, 191, 73-78.	4.8	68
40	Excess Zn alters the nutrient uptake and induces the antioxidative responses in submerged plant <i>Hydrilla verticillata</i> (L.f.) Royle. <i>Chemosphere</i> , 2009, 76, 938-945.	4.2	65
41	Algal growth and utilization of phosphorus studied by combined mono-culture and co-culture experiments. <i>Environmental Pollution</i> , 2017, 220, 274-285.	3.7	64
42	Responses of wastewater biofilms to chronic CeO ₂ nanoparticles exposure: Structural, physicochemical and microbial properties and potential mechanism. <i>Water Research</i> , 2018, 133, 208-217.	5.3	64
43	Enhanced photoelectrocatalytic activity for dye degradation by graphene-titania composite film electrodes. <i>Journal of Hazardous Materials</i> , 2012, 223-224, 79-83.	6.5	63
44	Chlorpyrifos and 3,5,6-trichloro-2-pyridinol degradation in zero valent iron coupled anaerobic system: Performances and mechanisms. <i>Chemical Engineering Journal</i> , 2018, 353, 254-263.	6.6	63
45	Graphene and TiO ₂ co-modified flower-like Bi ₂ O ₃ : A novel multi-heterojunction photocatalyst with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2015, 355, 411-418.	3.1	61
46	Transport behavior of micro polyethylene particles in saturated quartz sand: Impacts of input concentration and physicochemical factors. <i>Environmental Pollution</i> , 2020, 263, 114499.	3.7	61
47	Preparation of CdS nanoparticle loaded flower-like Bi ₂ O ₃ CO ₃ heterojunction photocatalysts with enhanced visible light photocatalytic activity. <i>Dalton Transactions</i> , 2015, 44, 11321-11330.	1.6	60
48	Microbial carbon metabolic functions of biofilms on plastic debris influenced by the substrate types and environmental factors. <i>Environment International</i> , 2020, 143, 106007.	4.8	57
49	Enhanced stability and dissolution of CuO nanoparticles by extracellular polymeric substances in aqueous environment. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	53
50	Antioxidant enzyme activities as biomarkers of fluvial biofilm to ZnO NPs ecotoxicity and the Integrated Biomarker Responses (IBR) assessment. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 10-17.	2.9	51
51	Assessment of mobilization of labile phosphorus and iron across sediment-water interface in a shallow lake (Hongze) based on <i>in situ</i> high-resolution measurement. <i>Environmental Pollution</i> , 2016, 219, 873-882.	3.7	50
52	Aggregation and removal of copper oxide (CuO) nanoparticles in wastewater environment and their effects on the microbial activities of wastewater biofilms. <i>Bioresource Technology</i> , 2016, 216, 537-544.	4.8	49
53	Effects of CeO ₂ , CuO, and ZnO nanoparticles on physiological features of <i>Microcystis aeruginosa</i> and the production and composition of extracellular polymeric substances. <i>Environmental Science and Pollution Research</i> , 2017, 24, 226-235.	2.7	49
54	Construction of silver iodide/silver/bismuth tantalate Z-scheme photocatalyst for effective visible light degradation of organic pollutants. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 190-200.	5.0	49

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55	Preparation of cerium and nitrogen co-doped titania hollow spheres with enhanced visible light photocatalytic performance. <i>Powder Technology</i> , 2011, 210, 203-207.	2.1	47
56	Nanoparticle tracking analysis versus dynamic light scattering: Case study on the effect of Ca ²⁺ and alginate on the aggregation of cerium oxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2018, 360, 319-328.	6.5	47
57	Effect of alginate on the aggregation kinetics of copper oxide nanoparticles (CuO NPs): bridging interaction and hetero-aggregation induced by Ca ²⁺ . <i>Environmental Science and Pollution Research</i> , 2016, 23, 11611-11619.	2.7	46
58	Application of zero valent iron coupling with biological process for wastewater treatment: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2017, 16, 667-693.	3.9	45
59	Investigation on the adsorption and desorption behaviors of heavy metals by tire wear particles with or without UV ageing processes. <i>Environmental Research</i> , 2021, 195, 110858.	3.7	45
60	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. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 71-78.	5.0	44
61	Preparation, characterization and photocatalytic activity of a novel composite photocatalyst: Ceria-coated activated carbon. <i>Journal of Hazardous Materials</i> , 2010, 184, 1-5.	6.5	43
62	Investigation on graphene and Pt co-modified CdS nanowires with enhanced photocatalytic hydrogen evolution activity under visible light irradiation. <i>Dalton Transactions</i> , 2015, 44, 16372-16382.	1.6	43
63	In-situ growth of Ag ₃ VO ₄ nanoparticles onto BiOCl nanosheet to form a heterojunction photocatalyst with enhanced performance under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2016, 688, 1-7.	2.8	43
64	Effect of UV irradiation on the aggregation of TiO ₂ in an aquatic environment: Influence of humic acid and pH. <i>Environmental Pollution</i> , 2016, 212, 178-187.	3.7	43
65	Shift in bacterioplankton diversity and structure: Influence of anthropogenic disturbances along the Yarlung Tsangpo River on the Tibetan Plateau, China. <i>Scientific Reports</i> , 2017, 7, 12529.	1.6	43
66	Photoelectrocatalytic determination of chemical oxygen demand under visible light using Cu ₂ O-loaded TiO ₂ nanotube arrays electrode. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 1-8.	4.0	42
67	Enhanced photocatalytic properties of the 3D flower-like Mg-Al layered double hydroxides decorated with Ag ₂ CO ₃ under visible light illumination. <i>Materials Research Bulletin</i> , 2016, 80, 23-29.	2.7	41
68	Effects of ZnO nanoparticles and Zn ²⁺ on fluvial biofilms and the related toxicity mechanisms. <i>Science of the Total Environment</i> , 2016, 544, 230-237.	3.9	41
69	Adsorption of perfluorooctane sulfonate on soils: Effects of soil characteristics and phosphate competition. <i>Chemosphere</i> , 2017, 168, 1383-1388.	4.2	41
70	Aggregation, sedimentation, and dissolution of CuO and ZnO nanoparticles in five waters. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31240-31249.	2.7	41
71	The effect of flow velocity on the distribution and composition of extracellular polymeric substances in biofilms and the detachment mechanism of biofilms. <i>Water Science and Technology</i> , 2014, 69, 825-832.	1.2	40
72	Effects of titanium dioxide nanoparticles on algal and bacterial communities in periphytic biofilms. <i>Environmental Pollution</i> , 2019, 251, 407-414.	3.7	39

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73	Effects of iron on growth, antioxidant enzyme activity, bound extracellular polymeric substances and microcystin production of <i>Microcystis aeruginosa</i> FACHB-905. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 231-239.	2.9	37
74	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. <i>Chemical Engineering Journal</i> , 2021, 419, 129646.	6.6	37
75	Construction of a composite photocatalyst with significantly enhanced photocatalytic performance through combination of homo-junction with hetero-junction. <i>Catalysis Science and Technology</i> , 2018, 8, 486-498.	2.1	36
76	Low concentrations of copper oxide nanoparticles alter microbial community structure and function of sediment biofilms. <i>Science of the Total Environment</i> , 2019, 653, 705-713.	3.9	36
77	Zero valent iron supported biological denitrification for farmland drainage treatments with low organic carbon: Performance and potential mechanisms. <i>Science of the Total Environment</i> , 2019, 689, 1044-1053.	3.9	35
78	Adsorption behavior of lead on aquatic sediments contaminated with cerium dioxide nanoparticles. <i>Environmental Pollution</i> , 2016, 219, 416-424.	3.7	34
79	Effects of CeO ₂ nanoparticles on sludge aggregation and the role of extracellular polymeric substances – Explanation based on extended DLVO. <i>Environmental Research</i> , 2016, 151, 698-705.	3.7	34
80	Transport, retention, and long-term release behavior of polymer-coated silver nanoparticles in saturated quartz sand: The impact of natural organic matters and electrolyte. <i>Environmental Pollution</i> , 2017, 229, 49-59.	3.7	34
81	The effect of anthropogenic impoundment on dissolved organic matter characteristics and copper binding affinity: Insights from fluorescence spectroscopy. <i>Chemosphere</i> , 2017, 188, 424-433.	4.2	34
82	Antibiotic resistance genes attenuation in anaerobic microorganisms during iron uptake from zero valent iron: An iron-dependent form of homeostasis and roles as regulators. <i>Water Research</i> , 2021, 195, 116979.	5.3	34
83	Effects of Nanoplastics on Freshwater Biofilm Microbial Metabolic Functions as Determined by BIOLOG ECO Microplates. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4639.	1.2	33
84	The effect of carbonization temperature on the capacity and mechanisms of Pb(II) adsorption by microalgae residue-derived biochar. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112750.	2.9	33
85	Effect of TiO ₂ and CeO ₂ nanoparticles on the metabolic activity of surficial sediment microbial communities based on oxygen microelectrodes and high-throughput sequencing. <i>Water Research</i> , 2018, 129, 287-296.	5.3	32
86	Effects of silver nanoparticles on coupled nitrification–denitrification in suspended sediments. <i>Journal of Hazardous Materials</i> , 2020, 389, 122130.	6.5	32
87	Modeling the Effects of Hydrodynamic Regimes on Microbial Communities within Fluvial Biofilms: Combining Deterministic and Stochastic Processes. <i>Environmental Science & Technology</i> , 2015, 49, 12869-12878.	4.6	31
88	Fabrication of p-type BiOCl/n-type La ₂ Ti ₂ O ₇ facet-coupling heterostructure with enhanced photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 48599-48609.	1.7	31
89	The use of zero-valent iron (ZVI)–microbe technology for wastewater treatment with special attention to the factors influencing performance: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 877-907.	6.6	31
90	Co-adsorption of perfluorooctane sulfonate and phosphate on boehmite: Influence of temperature, phosphate initial concentration and pH. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 71-77.	2.9	31

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91	The sustainability of rice-crayfish coculture systems: a mini review of evidence from Jiangnan plain in China. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 3843-3853.	1.7	31
92	Modeling of sediment and heavy metal transport in Taihu Lake, China. <i>Journal of Hydrodynamics</i> , 2013, 25, 379-387.	1.3	30
93	Modeling the Biodegradation of Bacterial Community Assembly Linked Antibiotics in River Sediment Using a Deterministic-Stochastic Combined Model. <i>Environmental Science & Technology</i> , 2016, 50, 8788-8798.	4.6	30
94	In situ high-resolution evaluation of labile arsenic and mercury in sediment of a large shallow lake. <i>Science of the Total Environment</i> , 2016, 541, 83-91.	3.9	30
95	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. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22116-22125.	2.7	29
96	Interpretation of the disparity in harvesting efficiency of different types of <i>Microcystis aeruginosa</i> using polyethylenimine (PEI)-coated magnetic nanoparticles. <i>Algal Research</i> , 2018, 29, 257-265.	2.4	29
97	A BiOBr/Co-Ni layered double hydroxide nanocomposite with excellent adsorption and photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 54613-54621.	1.7	28
98	Intimately coupled photocatalysis and biodegradation for effective simultaneous removal of sulfamethoxazole and COD from synthetic domestic wastewater. <i>Journal of Hazardous Materials</i> , 2022, 423, 127063.	6.5	28
99	Rice-crayfish systems are not a panacea for sustaining cleaner food production. <i>Environmental Science and Pollution Research</i> , 2021, 28, 22913-22926.	2.7	28
100	Effects of cerium oxide nanoparticles on the species and distribution of phosphorus in enhanced phosphorus removal sequencing batch biofilm reactor. <i>Bioresource Technology</i> , 2017, 227, 393-397.	4.8	27
101	Heavy metal pollution status and ecological risks of sediments under the influence of water transfers in Taihu Lake, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2653-2666.	2.7	27
102	Harvesting freshwater microalgae with natural polymer flocculants. <i>Algal Research</i> , 2021, 57, 102358.	2.4	27
103	In situ, high resolution ZrO-Chelex DGT for the investigation of iron-coupled inactivation of arsenic in sediments by macrozoobenthos bioturbation and hydrodynamic interactions. <i>Science of the Total Environment</i> , 2016, 562, 451-462.	3.9	26
104	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. <i>Water Research</i> , 2017, 127, 86-95.	5.3	26
105	Changes in <i>Microcystis aeruginosa</i> cell integrity and variation in microcystin-LR and proteins during Tanfloc flocculation and floc storage. <i>Science of the Total Environment</i> , 2018, 626, 264-273.	3.9	26
106	Effects of silver sulfide nanoparticles on the microbial community structure and biological activity of freshwater biofilms. <i>Environmental Science: Nano</i> , 2018, 5, 2899-2908.	2.2	26
107	Effects of cerium oxide nanoparticles on bacterial growth and behaviors: induction of biofilm formation and stress response. <i>Environmental Science and Pollution Research</i> , 2019, 26, 9293-9304.	2.7	26
108	Removing specific extracellular organic matter from algal bloom water by Tanfloc flocculation: Performance and mechanisms. <i>Separation and Purification Technology</i> , 2019, 212, 65-74.	3.9	26

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109	Effects of sediment physicochemical factors and heavy metals on the diversity, structure, and functions of bacterial and fungal communities from a eutrophic river. <i>Environmental Pollution</i> , 2022, 303, 119129.	3.7	26
110	Synthesis, characterization and photocatalytic activity of BiOBr@AC composite photocatalyst. <i>Composites Part B: Engineering</i> , 2014, 59, 96-100.	5.9	25
111	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. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1016-1025.	3.8	25
112	ZnO nanorod arrays co-loaded with Au nanoparticles and reduced graphene oxide: Synthesis, characterization and photocatalytic application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 492, 71-78.	2.3	25
113	Long-term effects of CuO nanoparticles on the surface physicochemical properties of biofilms in a sequencing batch biofilm reactor. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9629-9639.	1.7	24
114	Effects of carbon nanotubes on physicochemical properties and sulfamethoxazole adsorption of sediments with or without aging processes. <i>Chemical Engineering Journal</i> , 2017, 310, 317-327.	6.6	24
115	Effects of pH and natural organic matter (NOM) on the adsorptive removal of CuO nanoparticles by periphyton. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7696-7704.	2.7	23
116	Influence of silver nanoparticles on benthic oxygen consumption of microbial communities in freshwater sediments determined by microelectrodes. <i>Environmental Pollution</i> , 2017, 224, 771-778.	3.7	23
117	Impact of macrozoobenthic bioturbation and wind fluctuation interactions on net methylmercury in freshwater lakes. <i>Water Research</i> , 2017, 124, 320-330.	5.3	23
118	Towards a better understanding on aggregation behavior of CeO ₂ nanoparticles in different natural waters under flow disturbance. <i>Journal of Hazardous Materials</i> , 2018, 343, 235-244.	6.5	23
119	Influence of extracellular polymeric substances on cell-NPs heteroaggregation process and toxicity of cerium dioxide NPs to <i>Microcystis aeruginosa</i> . <i>Environmental Pollution</i> , 2018, 242, 1206-1216.	3.7	23
120	Attenuation effects of iron on dissemination of antibiotic resistance genes in anaerobic bioreactor: Evolution of quorum sensing, quorum quenching and dynamics of community composition. <i>Journal of Hazardous Materials</i> , 2021, 416, 126136.	6.5	23
121	Preparation of a magnetic graphene oxide@Ag ₃ PO ₄ composite photocatalyst with enhanced photocatalytic activity under visible light irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1080-1086.	2.7	21
122	The Fate of p-Nitrophenol in Goethite-Rich and Sulfide-Containing Dynamic Anoxic/Oxic Environments. <i>Environmental Science & Technology</i> , 2020, 54, 9427-9436.	4.6	21
123	Investigation on the adsorption of antibiotics from water by metal loaded sewage sludge biochar. <i>Water Science and Technology</i> , 2021, 83, 739-750.	1.2	21
124	Influence of CeO ₂ NPs on biological phosphorus removal and bacterial community shifts in a sequencing batch biofilm reactor with the differential effects of molecular oxygen. <i>Environmental Research</i> , 2016, 151, 21-29.	3.7	20
125	Long term effects of cerium dioxide nanoparticles on the nitrogen removal, micro-environment and community dynamics of a sequencing batch biofilm reactor. <i>Bioresource Technology</i> , 2017, 245, 573-580.	4.8	20
126	Comparison of adsorption behavior studies of methylene blue by microalga residue and its biochars produced at different pyrolytic temperatures. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14028-14040.	2.7	20

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127	Polystyrene nanoplastics change the functional traits of biofilm communities in freshwater environment revealed by GeoChip 5.0. <i>Journal of Hazardous Materials</i> , 2022, 423, 127117.	6.5	20
128	Investigation on Ce-doped TiO ₂ -coated BDD composite electrode with high photoelectrocatalytic activity under visible light irradiation. <i>Electrochemistry Communications</i> , 2011, 13, 1423-1423.	2.3	19
129	Optimization of cyanobacterial harvesting and extracellular organic matter removal utilizing magnetic nanoparticles and response surface methodology: A comparative study. <i>Algal Research</i> , 2020, 45, 101756.	2.4	19
130	Nutrient accumulation from excessive nutrient surplus caused by shifting from rice monoculture to rice-crayfish rotation. <i>Environmental Pollution</i> , 2021, 271, 116367.	3.7	19
131	Biofilm influenced metal accumulation onto plastic debris in different freshwaters. <i>Environmental Pollution</i> , 2021, 285, 117646.	3.7	19
132	Preparation and enhanced photocatalytic performance of Sn ion modified titania hollow spheres. <i>Materials Letters</i> , 2011, 65, 3278-3280.	1.3	18
133	Influence of shear forces on the aggregation and sedimentation behavior of cerium dioxide (CeO ₂) nanoparticles under different hydrochemical conditions. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	18
134	Spatial and Temporal Distribution of Particulate Phosphorus and Their Correlation with Environmental Factors in a Shallow Eutrophic Chinese Lake (Lake Taihu). <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2355.	1.2	18
135	Chronic exposure to CuO nanoparticles induced community structure shift and a delay inhibition of microbial functions in multi-species biofilms. <i>Journal of Cleaner Production</i> , 2020, 262, 121353.	4.6	18
136	Simultaneous Removal of Selenite and Selenate by Nanosized Zerovalent Iron in Anoxic Systems: The Overlooked Role of Selenite. <i>Environmental Science & Technology</i> , 2021, 55, 6299-6308.	4.6	18
137	The performance of chitosan/montmorillonite nanocomposite during the flocculation and floc storage processes of <i>Microcystis aeruginosa</i> cells. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11148-11161.	2.7	17
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