

# Jun Hou

## List of Publications by Year in descending order

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184  
papers

9,125  
citations

36303

51  
h-index

53230

85  
g-index

185  
all docs

185  
docs citations

185  
times ranked

10400  
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.	8.0	387
2	Energy management strategies comparison for electric vehicles with hybrid energy storage system. <i>Applied Energy</i> , 2014, 134, 321-331.	10.1	305
3	Kinetics and thermodynamics of adsorption of methylene blue by a magnetic graphene-carbon nanotube composite. <i>Applied Surface Science</i> , 2014, 290, 116-124.	6.1	292
4	Synthesis of novel 2D-2D p-n heterojunction BiOBr/La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> composite photocatalyst with enhanced photocatalytic performance under both UV and visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 157-168.	20.2	245
5	Significantly enhanced visible light photocatalytic efficiency of phosphorus doped TiO <sub>2</sub> with surface oxygen vacancies for ciprofloxacin degradation: Synergistic effect and intermediates analysis. <i>Journal of Hazardous Materials</i> , 2018, 351, 196-205.	12.4	204
6	The effect of excess Zn on mineral nutrition and antioxidative response in rapeseed seedlings. <i>Chemosphere</i> , 2009, 75, 1468-1476.	8.2	198
7	Sliding-mode and Lyapunov function-based control for battery/supercapacitor hybrid energy storage system used in electric vehicles. <i>Energy</i> , 2017, 122, 601-612.	8.8	188
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.	9.4	186
9	The battery-supercapacitor hybrid energy storage system in electric vehicle applications: A case study. <i>Energy</i> , 2018, 154, 433-441.	8.8	161
10	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.	4.0	149
11	Insights into the short-term effects of CeO <sub>2</sub> nanoparticles on sludge dewatering and related mechanism. <i>Water Research</i> , 2017, 118, 93-103.	11.3	142
12	Photocatalytic degradation of tetrabromobisphenol A by a magnetically separable graphene@TiO <sub>2</sub> composite photocatalyst: Mechanism and intermediates analysis. <i>Chemical Engineering Journal</i> , 2015, 264, 113-124.	12.7	140
13	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.	9.6	134
14	Effect of oxygen vacancy on enhanced photocatalytic activity of reduced ZnO nanorod arrays. <i>Applied Surface Science</i> , 2015, 325, 112-116.	6.1	130
15	A one-pot method for the preparation of graphene@Bi <sub>2</sub> MoO <sub>6</sub> 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.	10.3	125
16	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.	6.7	123
17	Noble-metal-free nickel phosphide modified CdS/C <sub>3</sub> N <sub>4</sub> nanorods for dramatically enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Dalton Transactions</i> , 2017, 46, 13793-13801.	3.3	122
18	Phosphate group grafted twinned BiPO <sub>4</sub> 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.	20.2	115

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19	Effects of CeO <sub>2</sub> 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.	9.6	103
20	Control development and performance evaluation for battery/flywheel hybrid energy storage solutions to mitigate load fluctuations in all-electric ship propulsion systems. <i>Applied Energy</i> , 2018, 212, 919-930.	10.1	97
21	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.	6.0	96
22	Mitigating Power Fluctuations in Electric Ship Propulsion With Hybrid Energy Storage System: Design and Analysis. <i>IEEE Journal of Oceanic Engineering</i> , 2018, 43, 93-107.	3.8	96
23	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.	12.4	95
24	Preparation of graphene-carbon nanotube-TiO <sub>2</sub> composites with enhanced photocatalytic activity for the removal of dye and Cr (VI). <i>Applied Catalysis A: General</i> , 2014, 473, 83-89.	4.3	95
25	The optimization of a hybrid energy storage system at subzero temperatures: Energy management strategy design and battery heating requirement analysis. <i>Applied Energy</i> , 2015, 159, 576-588.	10.1	95
26	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.	8.2	94
27	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.	1.5	94
28	Interactions between vegetation, water flow and sediment transport: A review. <i>Journal of Hydrodynamics</i> , 2015, 27, 24-37.	3.2	92
29	Fabrication of novel n heterojunction BiOI/La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> composite photocatalysts for enhanced photocatalytic performance under visible light irradiation. <i>Dalton Transactions</i> , 2016, 45, 7986-7997.	3.3	88
30	Effects of biofilm colonization on the sinking of microplastics in three freshwater environments. <i>Journal of Hazardous Materials</i> , 2021, 413, 125370.	12.4	88
31	Preparation, characterization, photocatalytic properties of titania hollow sphere doped with cerium. <i>Journal of Hazardous Materials</i> , 2010, 178, 517-521.	12.4	85
32	Effects of Ag and Ag <sub>2</sub> S nanoparticles on denitrification in sediments. <i>Water Research</i> , 2018, 137, 28-36.	11.3	84
33	Preparation of graphene oxide-Ag <sub>3</sub> PO <sub>4</sub> composite photocatalyst with high visible light photocatalytic activity. <i>Applied Surface Science</i> , 2013, 271, 265-270.	6.1	76
34	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.	8.0	76
35	A hierarchical energy management strategy for hybrid energy storage via vehicle-to-cloud connectivity. <i>Applied Energy</i> , 2020, 257, 113900.	10.1	73
36	Sediment resuspension under action of wind in Taihu Lake, China. <i>International Journal of Sediment Research</i> , 2015, 30, 48-62.	3.5	71

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37	Effects of Ag NPs on denitrification in suspended sediments via inhibiting microbial electron behaviors. <i>Water Research</i> , 2020, 171, 115436.	11.3	71
38	Preparation, characterization and photocatalytic activity of the neodymium-doped TiO <sub>2</sub> hollow spheres. <i>Applied Surface Science</i> , 2010, 257, 227-231.	6.1	68
39	Effects of CeO <sub>2</sub> nanoparticles on biological nitrogen removal in a sequencing batch biofilm reactor and mechanism of toxicity. <i>Bioresource Technology</i> , 2015, 191, 73-78.	9.6	68
40	Adaptive model predictive control with propulsion load estimation and prediction for all-electric ship energy management. <i>Energy</i> , 2018, 150, 877-889.	8.8	66
41	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.	8.2	65
42	The influence of driving cycle characteristics on the integrated optimization of hybrid energy storage system for electric city buses. <i>Energy</i> , 2017, 135, 91-100.	8.8	65
43	Algal growth and utilization of phosphorus studied by combined mono-culture and co-culture experiments. <i>Environmental Pollution</i> , 2017, 220, 274-285.	7.5	64
44	Responses of wastewater biofilms to chronic CeO <sub>2</sub> nanoparticles exposure: Structural, physicochemical and microbial properties and potential mechanism. <i>Water Research</i> , 2018, 133, 208-217.	11.3	64
45	Enhanced photoelectrocatalytic activity for dye degradation by graphene-titania composite film electrodes. <i>Journal of Hazardous Materials</i> , 2012, 223-224, 79-83.	12.4	63
46	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.	12.7	63
47	Graphene and TiO <sub>2</sub> co-modified flower-like Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> : A novel multi-heterojunction photocatalyst with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2015, 355, 411-418.	6.1	61
48	Preparation of CdS nanoparticle loaded flower-like Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> heterojunction photocatalysts with enhanced visible light photocatalytic activity. <i>Dalton Transactions</i> , 2015, 44, 11321-11330.	3.3	60
49	A simple method for large-scale preparation of ZnS nanoribbon film and its photocatalytic activity for dye degradation. <i>Applied Surface Science</i> , 2010, 256, 4125-4128.	6.1	56
50	Research of Intelligent Home Security Surveillance System Based on ZigBee. , 2008, , .		53
51	Enhanced stability and dissolution of CuO nanoparticles by extracellular polymeric substances in aqueous environment. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	53
52	Adaptive model predictive control for hybrid energy storage energy management in all-electric ship microgrids. <i>Energy Conversion and Management</i> , 2019, 198, 111929.	9.2	52
53	Current Profile Optimization for Combined State of Charge and State of Health Estimation of Lithium Ion Battery Based on Cramer-Rao Bound Analysis. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 7067-7078.	7.9	52
54	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.	6.0	51

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55	Parameter Identification and Maximum Power Estimation of Battery/Supercapacitor Hybrid Energy Storage System Based on Cramer's Rao Bound Analysis. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 4831-4843.	7.9	51
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. <i>Environmental Pollution</i> , 2016, 219, 873-882.	7.5	50
57	Implementation and evaluation of real-time model predictive control for load fluctuations mitigation in all-electric ship propulsion systems. <i>Applied Energy</i> , 2018, 230, 62-77.	10.1	50
58	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.	9.6	49
59	Effects of CeO <sub>2</sub> , 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.	5.3	49
60	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.	9.4	49
61	Preparation of cerium and nitrogen co-doped titania hollow spheres with enhanced visible light photocatalytic performance. <i>Powder Technology</i> , 2011, 210, 203-207.	4.2	47
62	Nanoparticle tracking analysis versus dynamic light scattering: Case study on the effect of Ca <sup>2+</sup> and alginate on the aggregation of cerium oxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2018, 360, 319-328.	12.4	47
63	Effect of alginate on the aggregation kinetics of copper oxide nanoparticles (CuO NPs): bridging interaction and hetero-aggregation induced by Ca <sup>2+</sup> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 11611-11619.	5.3	46
64	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.	8.1	45
65	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.	9.4	44
66	The sequential algorithm for combined state of charge and state of health estimation of lithium-ion battery based on active current injection. <i>Energy</i> , 2020, 193, 116732.	8.8	44
67	Preparation, characterization and photocatalytic activity of a novel composite photocatalyst: Ceria-coated activated carbon. <i>Journal of Hazardous Materials</i> , 2010, 184, 1-5.	12.4	43
68	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.	3.3	43
69	In-situ growth of Ag <sub>3</sub> VO <sub>4</sub> 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.	5.5	43
70	Effect of UV irradiation on the aggregation of TiO <sub>2</sub> in an aquatic environment: Influence of humic acid and pH. <i>Environmental Pollution</i> , 2016, 212, 178-187.	7.5	43
71	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.	3.3	43
72	Photoelectrocatalytic determination of chemical oxygen demand under visible light using Cu <sub>2</sub> O-loaded TiO <sub>2</sub> nanotube arrays electrode. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 1-8.	7.8	42

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73	Enhanced photocatalytic properties of the 3D flower-like Mg-Al layered double hydroxides decorated with Ag <sub>2</sub> CO <sub>3</sub> under visible light illumination. <i>Materials Research Bulletin</i> , 2016, 80, 23-29.	5.2	41
74	Effects of ZnO nanoparticles and Zn <sup>2+</sup> on fluvial biofilms and the related toxicity mechanisms. <i>Science of the Total Environment</i> , 2016, 544, 230-237.	8.0	41
75	Adsorption of perfluorooctane sulfonate on soils: Effects of soil characteristics and phosphate competition. <i>Chemosphere</i> , 2017, 168, 1383-1388.	8.2	41
76	Aggregation, sedimentation, and dissolution of CuO and ZnO nanoparticles in five waters. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31240-31249.	5.3	41
77	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.	2.5	40
78	A facile method for the preparation of titania-coated magnetic porous silica and its photocatalytic activity under UV or visible light. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 360, 184-189.	4.7	39
79	Parameter identification of lithium-ion battery pack for different applications based on Cramer-Rao bound analysis and experimental study. <i>Applied Energy</i> , 2018, 231, 1307-1318.	10.1	38
80	Absorption and fluorescence characteristics of chromophoric dissolved organic matter in the Yangtze Estuary. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3460-3473.	5.3	37
81	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.	6.0	37
82	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.	4.1	36
83	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.	8.0	36
84	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.	8.0	35
85	Adsorption behavior of lead on aquatic sediments contaminated with cerium dioxide nanoparticles. <i>Environmental Pollution</i> , 2016, 219, 416-424.	7.5	34
86	Effects of CeO <sub>2</sub> nanoparticles on sludge aggregation and the role of extracellular polymeric substances – Explanation based on extended DLVO. <i>Environmental Research</i> , 2016, 151, 698-705.	7.5	34
87	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.	7.5	34
88	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.	8.2	34
89	Control Strategy for Battery/Flywheel Hybrid Energy Storage in Electric Shipboard Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 1089-1099.	11.3	34
90	Effect of TiO <sub>2</sub> and CeO <sub>2</sub> 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.	11.3	32

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91	Effects of silver nanoparticles on coupled nitrification&#x2013;denitrification in suspended sediments. <i>Journal of Hazardous Materials</i> , 2020, 389, 122130.	12.4	32
92	Mitigating power fluctuations in electrical ship propulsion using model predictive control with hybrid energy storage system. , 2014, , .		31
93	Modeling the Effects of Hydrodynamic Regimes on Microbial Communities within Fluvial Biofilms: Combining Deterministic and Stochastic Processes. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12869-12878.	10.0	31
94	Fabrication of p-type BiOCl/n-type La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> facet-coupling heterostructure with enhanced photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 48599-48609.	3.6	31
95	The use of zero-valent iron (ZVI)&#x2013;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.	12.8	31
96	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.	6.0	31
97	Combined State and Parameter Estimation of Lithium-Ion Battery With Active Current Injection. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 4439-4447.	7.9	31
98	Modeling of sediment and heavy metal transport in Taihu Lake, China. <i>Journal of Hydrodynamics</i> , 2013, 25, 379-387.	3.2	30
99	Modeling the Biodegradation of Bacterial Community Assembly Linked Antibiotics in River Sediment Using a Deterministic&#x2013;Stochastic Combined Model. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8788-8798.	10.0	30
100	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.	8.0	30
101	Controlled synthesis in large-scale of CdS mesospheres and photocatalytic activity. <i>Materials Letters</i> , 2010, 64, 439-441.	2.6	29
102	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.	5.3	29
103	An improved habitat model to evaluate the impact of water conservancy projects on Chinese sturgeon ( <i>Acipenser sinensis</i> ) spawning sites in the Yangtze River, China. <i>Ecological Engineering</i> , 2017, 104, 165-176.	3.6	29
104	Assessing the ecohydrological separation hypothesis and seasonal variations in water use by <i>Ginkgo biloba</i> L. in a subtropical riparian area. <i>Journal of Hydrology</i> , 2017, 553, 486-500.	5.4	29
105	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.	4.6	29
106	Preparation of Ag nanoparticles loaded TiO <sub>2</sub> nanoplate arrays on activated carbon fibers with enhanced photocatalytic activity. <i>Catalysis Communications</i> , 2014, 53, 21-24.	3.3	28
107	A BiOBr/Co&#x2013;Ni layered double hydroxide nanocomposite with excellent adsorption and photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 54613-54621.	3.6	28
108	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.	9.6	27

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109	Understanding the transport feature of bloom-forming <i>Microcystis</i> in a large shallow lake: A new combined hydrodynamic and spatially explicit agent-based modelling approach. <i>Ecological Modelling</i> , 2017, 343, 25-38.	2.5	27
110	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.	5.3	27
111	Bi <sub>2</sub> MoO <sub>6</sub> nanosheets deposited TiO <sub>2</sub> nanobelts with spatially branched hierarchical heterostructure for enhanced photocatalytic activity under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 66-74.	4.7	26
112	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.	8.0	26
113	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.	11.3	26
114	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.	8.0	26
115	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.	4.3	26
116	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.	5.3	26
117	Synthesis, characterization and photocatalytic activity of BiOBr@AC composite photocatalyst. <i>Composites Part B: Engineering</i> , 2014, 59, 96-100.	12.0	25
118	Preparation of graphene oxide-loaded Ag <sub>3</sub> PO <sub>4</sub> @AgCl and its photocatalytic degradation of methylene blue and O <sub>2</sub> evolution activity under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1016-1025.	7.1	25
119	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.	3.6	24
120	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.	12.7	24
121	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.	5.3	23
122	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.	7.5	23
123	Impact of macrozoobenthic bioturbation and wind fluctuation interactions on net methylmercury in freshwater lakes. <i>Water Research</i> , 2017, 124, 320-330.	11.3	23
124	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.	7.5	23
125	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.	12.4	23
126	Preparation of a magnetic graphene oxide@Ag <sub>3</sub> PO <sub>4</sub> composite photocatalyst with enhanced photocatalytic activity under visible light irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1080-1086.	5.3	21



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127	Investigation on the application of titania nanorod arrays to the determination of chemical oxygen demand. <i>Analytica Chimica Acta</i> , 2013, 767, 141-147.	5.4	20
128	Influence of CeO <sub>2</sub> 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.	7.5	20
129	Assessment of multi-objective reservoir operation in the middle and lower Yangtze River based on a flow regime influenced by the Three Gorges Project. <i>Ecological Informatics</i> , 2017, 38, 115-125.	5.2	20
130	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.	9.6	20
131	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.	5.3	20
132	Investigation on Ce-doped TiO <sub>2</sub> -coated BDD composite electrode with high photoelectrocatalytic activity under visible light irradiation. <i>Electrochemistry Communications</i> , 2011, 13, 1423-1423.	4.7	19
133	Characterization of Antibiotic-Resistance Genes in Antibiotic Resistance <i>Escherichia coli</i> Isolates From a Lake. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 65, 635-641.	4.1	19
134	Preparation and enhanced photocatalytic performance of Sn ion modified titania hollow spheres. <i>Materials Letters</i> , 2011, 65, 3278-3280.	2.6	18
135	Influence of shear forces on the aggregation and sedimentation behavior of cerium dioxide (CeO <sub>2</sub> ) nanoparticles under different hydrochemical conditions. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	18
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