

Jun Hou

List of Publications by Year in descending order

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184
papers

9,125
citations

36303

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h-index

53230

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185
all docs

185
docs citations

185
times ranked

10400
citing authors

#	ARTICLE	IF	CITATIONS
1	A cloud-based energy management strategy for hybrid electric city bus considering real-time passenger load prediction. <i>Journal of Energy Storage</i> , 2022, 45, 103749.	8.1	11
2	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
3	Learning Time Reduction Using Warm-Start Methods for a Reinforcement Learning-Based Supervisory Control in Hybrid Electric Vehicle Applications. <i>IEEE Transactions on Transportation Electrification</i> , 2021, 7, 626-635.	7.8	12
4	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
5	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
6	Deciphering the effects of CeO ₂ nanoparticles on Escherichia coli in the presence of ferrous and sulfide ions: Physicochemical transformation-induced toxicity and detoxification mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 413, 125300.	12.4	9
7	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
8	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
9	A hierarchical energy management strategy for hybrid energy storage via vehicle-to-cloud connectivity. <i>Applied Energy</i> , 2020, 257, 113900.	10.1	73
10	Effects of Ag NPs on denitrification in suspended sediments via inhibiting microbial electron behaviors. <i>Water Research</i> , 2020, 171, 115436.	11.3	71
11	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
12	Dynamic responses of community structure and microbial functions of periphytic biofilms during chronic exposure to TiO ₂ NPs. <i>Environmental Science: Nano</i> , 2020, 7, 665-675.	4.3	8
13	Simultaneous Identification and Control for Hybrid Energy Storage System Using Model Predictive Control and Active Signal Injection. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 9768-9778.	7.9	13
14	Individual Cell Fault Detection for Parallel-Connected Battery Cells Based on the Statistical Model and Analysis. , 2020, , .		4
15	Simultaneous Identification and Control Using Active Signal Injection for Series Hybrid Electric Vehicles Based on Dynamic Programming. <i>IEEE Transactions on Transportation Electrification</i> , 2020, 6, 298-307.	7.8	13
16	Effects of silver nanoparticles on coupled nitrification–denitrification in suspended sediments. <i>Journal of Hazardous Materials</i> , 2020, 389, 122130.	12.4	32
17	Parameter Identification and Maximum Power Estimation of Battery/Supercapacitor Hybrid Energy Storage System Based on Cramer–Rao Bound Analysis. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 4831-4843.	7.9	51
18	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

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19	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
20	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
21	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
22	Current Profile Optimization for Combined State of Charge and State of Health Estimation of Lithium Ion Battery Based on Cramerâ€™Rao Bound Analysis. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 7067-7078.	7.9	52
23	Distinct community structure and microbial functions of biofilms colonizing microplastics. <i>Science of the Total Environment</i> , 2019, 650, 2395-2402.	8.0	387
24	Effects of Ag and Ag ₂ S nanoparticles on denitrification in sediments. <i>Water Research</i> , 2018, 137, 28-36.	11.3	84
25	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
26	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.	11.3	64
27	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
28	Enhanced anaerobic biological treatment of chlorpyrifos in farmland drainage with zero valent iron. <i>Chemical Engineering Journal</i> , 2018, 336, 352-360.	12.7	14
29	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
30	The battery-supercapacitor hybrid energy storage system in electric vehicle applications: A case study. <i>Energy</i> , 2018, 154, 433-441.	8.8	161
31	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.	20.2	115
32	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
33	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.	12.4	204
34	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
35	The effects of extracellular polymeric substances on magnetic iron oxide nanoparticles stability and the removal of microcystin-LR in aqueous environments. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 89-96.	6.0	14
36	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

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37	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.	11.3	32
38	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
39	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
40	Mechanistic understanding of cerium oxide nanoparticle-mediated biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 34765-34776.	5.3	11
41	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
42	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.	12.4	47
43	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
44	Influence of CeO ₂ nanoparticles on viscoelastic properties of sludge: Role of extracellular polymeric substances. <i>Environmental Research</i> , 2018, 167, 34-41.	7.5	7
45	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
46	Investigation of the rheological behavior of activated sludge in response to CeO ₂ nanoparticles and potential mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29725-29733.	5.3	3
47	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
48	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
49	Strategies and relative mechanisms to attenuate the bioaccumulation and biotoxicity of ceria nanoparticles in wastewater biofilms. <i>Bioresource Technology</i> , 2018, 265, 102-109.	9.6	15
50	Synergistic effect of surface phase junction and surface defects on enhancing the photocatalytic performance of BiPO ₄ . <i>Micro and Nano Letters</i> , 2018, 13, 720-724.	1.3	3
51	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
52	Adsorption of perfluorooctane sulfonate on soils: Effects of soil characteristics and phosphate competition. <i>Chemosphere</i> , 2017, 168, 1383-1388.	8.2	41
53	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
54	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

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55	Insights into the short-term effects of CeO ₂ nanoparticles on sludge dewatering and related mechanism. <i>Water Research</i> , 2017, 118, 93-103.	11.3	142
56	Comparison of in situ DGT measurement with ex situ methods for predicting cadmium bioavailability in soils with combined pollution to biotas. <i>Water Science and Technology</i> , 2017, 75, 2171-2178.	2.5	5
57	Combined Monthly Inflow Forecasting and Multiobjective Ecological Reservoir Operations Model: Case Study of the Three Gorges Reservoir. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017, 143, .	2.6	17
58	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
59	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
60	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.	12.8	31
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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.	3.3	122
69	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
70	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
71	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
72	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

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73	Battery/flywheel Hybrid Energy Storage to mitigate load fluctuations in electric ship propulsion systems. , 2017, , .		6
74	Understanding the transport feature of bloom-forming Microcystis in a large shallow lake: A new combined hydrodynamic and spatially explicit agent-based modelling approach. Ecological Modelling, 2017, 343, 25-38.	2.5	27
75	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.	5.3	27
76	Effects of carbon nanotubes on physicochemical properties and sulfamethoxazole adsorption of sediments with or without aging processes. Chemical Engineering Journal, 2017, 310, 317-327.	12.7	24
77	Algal growth and utilization of phosphorus studied by combined mono-culture and co-culture experiments. Environmental Pollution, 2017, 220, 274-285.	7.5	64
78	Effects of CeO ₂ , 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.	5.3	49
79	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.	8.0	76
80	The Evaluation on the Cadmium Net Concentration for Soil Ecosystems. International Journal of Environmental Research and Public Health, 2017, 14, 297.	2.6	6
81	Effects of titanium dioxide (TiO ₂) nanoparticles on the photodissolution of particulate organic matter: Insights from fluorescence spectroscopy and environmental implications. Environmental Pollution, 2017, 229, 19-28.	7.5	8
82	Contributions of different fractions of extracellular polymeric substances from waste-activated sludge to Cu(II) biosorption. Desalination and Water Treatment, 2016, 57, 21405-21416.	1.0	2
83	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, 537-544.	9.6	49
84	Adsorption behavior of lead on aquatic sediments contaminated with cerium dioxide nanoparticles. Environmental Pollution, 2016, 219, 416-424.	7.5	34
85	Fabrication of novel p-n heterojunction BiOI/La ₂ Ti ₂ O ₇ composite photocatalysts for enhanced photocatalytic performance under visible light irradiation. Dalton Transactions, 2016, 45, 7986-7997.	3.3	88
86	Fabrication of p-type BiOCl/n-type La ₂ Ti ₂ O ₇ facet-coupling heterostructure with enhanced photocatalytic performance. RSC Advances, 2016, 6, 48599-48609.	3.6	31
87	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. Applied Catalysis B: Environmental, 2016, 194, 157-168.	20.2	245
88	Influence of shear forces on the aggregation and sedimentation behavior of cerium dioxide (CeO ₂) nanoparticles under different hydrochemical conditions. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	18
89	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.	7.5	50
90	Effects of CeO ₂ nanoparticles on sludge aggregation and the role of extracellular polymeric substances – Explanation based on extended DLVO. Environmental Research, 2016, 151, 698-705.	7.5	34

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91	Zr oxide-based coloration technique for two-dimensional imaging of labile Cr(VI) using diffusive gradients in thin films. <i>Science of the Total Environment</i> , 2016, 566-567, 1632-1639.	8.0	10
92	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.	7.5	20
93	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
94	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
95	A novel p-n heterostructured photocatalyst for the efficient photocatalytic degradation of different kinds of organic compounds under irradiation of both ultraviolet and visible light. <i>Dalton Transactions</i> , 2016, 45, 13907-13916.	3.3	12
96	Integrated control of power generation, electric motor and hybrid energy storage for all-electric ships. , 2016, , .		10
97	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.	5.5	43
98	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
99	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.	10.0	30
100	Flow characteristics of the wind-driven current with submerged and emergent flexible vegetations in shallow lakes. <i>Journal of Hydrodynamics</i> , 2016, 28, 746-756.	3.2	9
101	Speciation of potentially mobile Si in Yangtze Estuary surface sediments: estimates using a modified sequential extraction technique. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18928-18941.	5.3	2
102	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.	5.3	46
103	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
104	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
105	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
106	Keystone indices probabilistic species sensitivity distribution in the case of the derivation of water quality criteria for copper in Tai Lake. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13047-13061.	5.3	2
107	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
108	One-pot synthesis of AgBr/Ag ₂ CO ₃ heterojunctions with enhanced visible-light photocatalytic activity. <i>Materials Letters</i> , 2016, 163, 258-261.	2.6	8

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109	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.	5.2	41
110	Preparation of heterostructured Ag@AgCl/La ₂ Ti ₂ O ₇ plasmonic photocatalysts with high visible light photocatalytic performance for the degradation of organic pollutants. <i>RSC Advances</i> , 2016, 6, 19223-19232.	3.6	10
111	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.	7.5	43
112	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.	8.0	41
113	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
114	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.	5.3	17
115	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.	9.6	68
116	Ecological characteristics and environmental factors of phytoplankton during different seasons and in different parts of Taihu Lake. <i>Fundamental and Applied Limnology</i> , 2015, 187, 33-42.	0.7	4
117	Sediment resuspension under action of wind in Taihu Lake, China. <i>International Journal of Sediment Research</i> , 2015, 30, 48-62.	3.5	71
118	Sorption behavior and modeling of endocrine-disrupting chemicals on natural sediments: role of biofilm covered on surface. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1380-1388.	5.3	13
119	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
120	Seasonal and spatial variations of acid-volatile sulphide and simultaneously extracted metals in the Yangtze River Estuary. <i>Chemistry and Ecology</i> , 2015, 31, 466-477.	1.6	5
121	Graphene and TiO ₂ co-modified flower-like Bi ₂ O ₂ CO ₃ : A novel multi-heterojunction photocatalyst with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2015, 355, 411-418.	6.1	61
122	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.	9.6	103
123	Response surface modeling and optimization of microcystin-LR removal from aqueous phase by polyacrylamide/sodium alginate-montmorillonite superabsorbent nanocomposite. <i>Desalination and Water Treatment</i> , 2015, 56, 1121-1139.	1.0	7
124	A BiOBr/Co-Ni layered double hydroxide nanocomposite with excellent adsorption and photocatalytic properties. <i>RSC Advances</i> , 2015, 5, 54613-54621.	3.6	28
125	Early diagenetic alterations of biogenic and reactive silica in the surface sediment of the Yangtze Estuary. <i>Continental Shelf Research</i> , 2015, 99, 1-11.	1.8	10
126	Interactions between vegetation, water flow and sediment transport: A review. <i>Journal of Hydrodynamics</i> , 2015, 27, 24-37.	3.2	92

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127	Preparation of CdS nanoparticle loaded flower-like Bi ₂ O ₃ CO ₃ heterojunction photocatalysts with enhanced visible light photocatalytic activity. Dalton Transactions, 2015, 44, 11321-11330.	3.3	60
128	Bi ₂ MoO ₆ nanosheets deposited TiO ₂ nanobelts with spatially branched hierarchical heterostructure for enhanced photocatalytic activity under visible light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 487, 66-74.	4.7	26
129	The optimization of a hybrid energy storage system at subzero temperatures: Energy management strategy design and battery heating requirement analysis. Applied Energy, 2015, 159, 576-588.	10.1	95
130	Interaction analysis and integrated control of hybrid energy storage and generator control system for electric ship propulsion. , 2015, , .		14
131	Enhanced stability and dissolution of CuO nanoparticles by extracellular polymeric substances in aqueous environment. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	53
132	Investigation on graphene and Pt co-modified CdS nanowires with enhanced photocatalytic hydrogen evolution activity under visible light irradiation. Dalton Transactions, 2015, 44, 16372-16382.	3.3	43
133	Modeling the Effects of Hydrodynamic Regimes on Microbial Communities within Fluvial Biofilms: Combining Deterministic and Stochastic Processes. Environmental Science & Technology, 2015, 49, 12869-12878.	10.0	31
134	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.	9.6	134
135	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.	7.1	25
136	Effect of oxygen vacancy on enhanced photocatalytic activity of reduced ZnO nanorod arrays. Applied Surface Science, 2015, 325, 112-116.	6.1	130
137	Photocatalytic degradation of tetrabromobisphenol A by a magnetically separable graphene@TiO ₂ composite photocatalyst: Mechanism and intermediates analysis. Chemical Engineering Journal, 2015, 264, 113-124.	12.7	140
138	Presence and patterns of alkaline phosphatase activity and phosphorus cycling in natural riparian zones under changing nutrient conditions. Journal of Limnology, 2014, 73, .	1.1	4
139	Seasonal, Spatial Distribution and Ecological Risk Assessment of Heavy Metals in Surface Sediments from a Watershed Area in Gonghu Bay in Taihu Lake, China. Terrestrial, Atmospheric and Oceanic Sciences, 2014, 25, 605.	0.6	12
140	The effect of flow velocity on the distribution and composition of extracellular polymeric substances in biofilms and the detachment mechanism of biofilms. Water Science and Technology, 2014, 69, 825-832.	2.5	40
141	Preparation of a magnetic graphene oxide@Ag ₃ PO ₄ composite photocatalyst with enhanced photocatalytic activity under visible light irradiation. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1080-1086.	5.3	21
142	Inhibitory effects of ZnO nanoparticles on aerobic wastewater biofilms from oxygen concentration profiles determined by microelectrodes. Journal of Hazardous Materials, 2014, 276, 164-170.	12.4	95
143	Kinetics and thermodynamics of adsorption of methylene blue by a magnetic graphene-carbon nanotube composite. Applied Surface Science, 2014, 290, 116-124.	6.1	292
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