

Peifang Wang

List of Publications by Year in descending order

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263
papers

9,806
citations

41344
49
h-index

66911
78
g-index

266
all docs

266
docs citations

266
times ranked

9059
citing authors

#	ARTICLE	IF	CITATIONS
1	Photogeochemistry of particulate organic matter in aquatic systems: A review. <i>Science of the Total Environment</i> , 2022, 806, 150467.	8.0	13
2	Phytoremediation of cadmium-contaminated sediment using <i>Hydrilla verticillata</i> and <i>Elodea canadensis</i> harbor two same keystone rhizobacteria <i>Pedospaeraceae</i> and <i>Parasegetibacter</i> . <i>Chemosphere</i> , 2022, 286, 131648.	8.2	22
3	How dam construction affects the activity of alkaline phosphatases in reservoir sediments: A study of two highly regulated rivers. <i>Environmental Research</i> , 2022, 207, 112236.	7.5	6
4	Effects of long-term perfluorooctane sulfonate (PFOS) exposure on activated sludge performance, composition, and its microbial community. <i>Environmental Pollution</i> , 2022, 295, 118684.	7.5	14
5	Plasma nickel nanoparticle photothermic assisted bimetallic sulfide degradation performance of typical neonicotinoid pesticides. <i>Journal of Alloys and Compounds</i> , 2022, 897, 163215.	5.5	6
6	Understanding the mechanism of interfacial interaction enhancing photodegradation rate of pollutants at molecular level: Intermolecular π - π interactions favor electrons delivery. <i>Journal of Hazardous Materials</i> , 2022, 430, 128386.	12.4	39
7	The role of fine root morphology in nitrogen uptake by riparian plants. <i>Plant and Soil</i> , 2022, 472, 527-542.	3.7	9
8	Boosting $2e^-$ oxygen reduction reaction in garland carbon nitride with carbon defects for high-efficient photocatalysis-self-Fenton degradation of 2,4-dichlorophenol. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121185.	20.2	118
9	Insight into microbial degradation of hexabromocyclododecane (HBCD) in lake sediments under different hydrodynamic conditions. <i>Science of the Total Environment</i> , 2022, 827, 154358.	8.0	8
10	Light alters microbiota and electron transport: Evidence for enhanced mesophilic digestion of municipal sludge. <i>Water Research</i> , 2022, 217, 118447.	11.3	14
11	Abundant microbial communities act as more sensitive bio-indicators for ecological evaluation of copper mine contamination than rare taxa in river sediments. <i>Environmental Pollution</i> , 2022, 305, 119310.	7.5	10
12	Covalent-anion-driven self-assembled cadmium/ molybdenum sulfide hybrids for efficient nitenpyram degradation. <i>Journal of Environmental Management</i> , 2022, 316, 115269.	7.8	3
13	Directing Charge Transfer in a Chemical-Bonded $\text{BaTiO}_3 @ \text{ReS}_2$ Schottky Heterojunction for Piezoelectric Enhanced Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2202508.	21.0	98
14	Exposure to nanoplastic induces cell damage and nitrogen inhibition of activated sludge: Evidence from bacterial individuals and groups. <i>Environmental Pollution</i> , 2022, 306, 119471.	7.5	19
15	Unraveling the Mechanism on Ultrahigh Efficiency Photocatalytic H_2O_2 Generation for Dual-Heteroatom Incorporated Polymeric Carbon Nitride. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	100
16	Surface Complex and Nonradical Pathways Contributing to High-Efficiency Degradation of Perfluorooctanoic Acid on Oxygen-Deficient In_2O_3 Derived from an In-Based Metal Organic Framework. <i>ACS ES&T Water</i> , 2022, 2, 1344-1352.	4.6	7
17	Spin-related symmetry breaking induced by half-disordered hybridization in $\text{Bi}_2\text{Er}_2\text{Ru}_2\text{O}_7$ pyrochlores for acidic oxygen evolution. <i>Nature Communications</i> , 2022, 13, .	12.8	66
18	Stable isotope analyses of nitrogen source and preference for ammonium versus nitrate of riparian plants during the plant growing season in Taihu Lake Basin. <i>Science of the Total Environment</i> , 2021, 763, 143029.	8.0	18

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19	Effects of rising atmospheric CO ₂ levels on physiological response of cyanobacteria and cyanobacterial bloom development: A review. <i>Science of the Total Environment</i> , 2021, 754, 141889.	8.0	23
20	Anthropogenic disturbances on distribution and sources of pharmaceuticals and personal care products throughout the Jinsha River Basin, China. <i>Environmental Research</i> , 2021, 198, 110449.	7.5	27
21	From source to sink: Review and prospects of microplastics in wetland ecosystems. <i>Science of the Total Environment</i> , 2021, 758, 143633.	8.0	77
22	Characteristics of transmission light in tetracycline hydrochloride polluted wastewater and the response of g-C ₃ N ₄ under different transmission spectral range during the photodegradation process. <i>Chemosphere</i> , 2021, 263, 128196.	8.2	9
23	Recharged Catalyst with Memristive Nitrogen Reduction Activity through Learning Networks of Spiking Neurons. <i>Journal of the American Chemical Society</i> , 2021, 143, 5378-5385.	13.7	56
24	How sediment bacterial community shifts along the urban river located in mining city. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42300-42312.	5.3	8
25	Selective recovery of protonated dyes from dye wastewater by pH-responsive BCN material. <i>Chemical Engineering Journal</i> , 2021, 412, 128532.	12.7	40
26	Effects of polystyrene nanoplastics on extracellular polymeric substance composition of activated sludge: The role of surface functional groups. <i>Environmental Pollution</i> , 2021, 279, 116904.	7.5	33
27	Mechanisms of photochemical release of dissolved organic matter and iron from resuspended sediments. <i>Journal of Environmental Sciences</i> , 2021, 104, 288-295.	6.1	8
28	Long-term effects of decabromodiphenyl ether on denitrification in eutrophic lake sediments: Different sensitivity of six-type denitrifying bacteria. <i>Science of the Total Environment</i> , 2021, 774, 145147.	8.0	8
29	Deciphering the effects of CeO ₂ nanoparticles on <i>Escherichia coli</i> 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
30	Spin-state reconfiguration induced by alternating magnetic field for efficient oxygen evolution reaction. <i>Nature Communications</i> , 2021, 12, 4827.	12.8	147
31	Distinct strategies of abundant and rare bacterioplankton in river-reservoir system: Evidence from a 2800Åkm plateau river. <i>Environmental Research</i> , 2021, 199, 111418.	7.5	12
32	Spatial distribution and solubilization characteristics of metal(loid)s in riparian soils within reservoirs along the middle Jinsha River. <i>Journal of Soils and Sediments</i> , 2021, 21, 3515-3527.	3.0	4
33	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.	13.8	251
34	Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS) in Surface Water of China: National Exposure Distributions and Probabilistic Risk Assessment. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 81, 470-481.	4.1	12
35	Anthropogenic disturbances on antibiotic resistome along the Yarlung Tsangpo River on the Tibetan Plateau: Ecological dissemination mechanisms of antibiotic resistance genes to bacterial pathogens. <i>Water Research</i> , 2021, 202, 117447.	11.3	44
36	Effect of iron plaque on antibiotic uptake and metabolism in water spinach (<i>Ipomoea aquatica</i> Forsk.) grown in hydroponic culture. <i>Journal of Hazardous Materials</i> , 2021, 417, 125981.	12.4	16

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37	Ecological insights into the elevational biogeography of antibiotic resistance genes in a pristine river: Metagenomic analysis along the Yarlung Tsangpo River on the Tibetan Plateau. <i>Environmental Pollution</i> , 2021, 286, 117101.	7.5	19
38	Ecological insights into the disturbances in bacterioplankton communities due to emerging organic pollutants from different anthropogenic activities along an urban river. <i>Science of the Total Environment</i> , 2021, 796, 148973.	8.0	20
39	Sedimentary microeukaryotes reveal more dispersal limitation and form networks with less connectivity than planktonic microeukaryotes in a highly regulated river. <i>Freshwater Biology</i> , 2021, 66, 826-841.	2.4	13
40	Catalytic ozonation of dibutyl phthalate in the presence of Ag-doped NiFe ₂ O ₄ and its mechanism. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 4528-4538.	2.2	7
41	Probing the role of surface acid sites on the photocatalytic degradation of tetracycline hydrochloride over cerium doped CdS <i>via</i> experiments and theoretical calculations. <i>Dalton Transactions</i> , 2021, 50, 16620-16630.	3.3	9
42	Synthesis of novel ternary heterogeneous anatase-TiO ₂ (B) biphasic nanowires/Bi ₄ O ₅ I ₂ composite photocatalysts for the highly efficient degradation of acetaminophen under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2020, 382, 121083.	12.4	115
43	Fungal community demonstrates stronger dispersal limitation and less network connectivity than bacterial community in sediments along a large river. <i>Environmental Microbiology</i> , 2020, 22, 832-849.	3.8	115
44	Response of bacterial community in composition and function to the various DOM at river confluences in the urban area. <i>Water Research</i> , 2020, 169, 115293.	11.3	67
45	Identifying key environmental factors for enhancing the pollutant removal potential at a river confluence. <i>Environmental Research</i> , 2020, 180, 108880.	7.5	7
46	Differential responses of encoding-amoA nitrifiers and nir denitrifiers in activated sludge to anatase and rutile TiO ₂ nanoparticles: What is active functional guild in rate limiting step of nitrogen cycle?. <i>Journal of Hazardous Materials</i> , 2020, 384, 121388.	12.4	21
47	Improving water ecosystem sustainability of urban water system by management strategies optimization. <i>Journal of Environmental Management</i> , 2020, 254, 109766.	7.8	18
48	Effects of phosphorus availability and phosphorus utilization behavior of <i>Microcystis aeruginosa</i> on its adaptation capability to ultraviolet radiation. <i>Environmental Pollution</i> , 2020, 256, 113441.	7.5	18
49	Highly efficient nitrate reduction driven by an electrocoagulation system: An electrochemical and molecular mechanism. <i>Bioelectrochemistry</i> , 2020, 133, 107454.	4.6	5
50	Effects of Ag NPs on denitrification in suspended sediments via inhibiting microbial electron behaviors. <i>Water Research</i> , 2020, 171, 115436.	11.3	71
51	Development of a comprehensive understanding of aggregation-settling movement of CeO ₂ nanoparticles in natural waters. <i>Environmental Pollution</i> , 2020, 257, 113584.	7.5	11
52	All-solid-state Z-scheme WO ₃ nanorod/ZnIn ₂ S ₄ composite photocatalysts for the effective degradation of nitenpyram under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2020, 387, 121713.	12.4	147
53	Aryl sulfonyl chlorides and sodium aryl sulfonates: non-volatile, non-stench, and non-toxic aryl thiol surrogates for direct aryl-sulfonylation of C-H bonds. <i>Journal of Sulfur Chemistry</i> , 2020, 41, 210-228.	2.0	20
54	Bend-induced sediment redistribution regulates deterministic processes and stimulates microbial nitrogen removal in coarse sediment regions of river. <i>Water Research</i> , 2020, 170, 115315.	11.3	38

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55	Sorption and desorption behaviors of triphenyl phosphate (TPhP) and its degradation intermediates on aquatic sediments. <i>Journal of Hazardous Materials</i> , 2020, 385, 121574.	12.4	12
56	Silver nanoparticles and Fe(III) co-regulate microbial community and N ₂ O emission in river sediments. <i>Science of the Total Environment</i> , 2020, 706, 135712.	8.0	14
57	Effect of perfluorooctanesulfonate (PFOS) on the rhizosphere soil nitrogen cycling of two riparian plants. <i>Science of the Total Environment</i> , 2020, 741, 140494.	8.0	19
58	Do bacterioplankton respond equally to different river regulations? A quantitative study in the single-dammed Yarlung Tsangpo River and the cascade-dammed Lancang River. <i>Environmental Research</i> , 2020, 191, 110194.	7.5	10
59	Effective inactivation of <i>Microcystis aeruginosa</i> by a novel Z-scheme composite photocatalyst under visible light irradiation. <i>Science of the Total Environment</i> , 2020, 746, 141149.	8.0	37
60	First attempt for in situ capping with lanthanum modified bentonite (LMB) on the immobilization and transformation of organic phosphorus at the sediment-water interface. <i>Science of the Total Environment</i> , 2020, 741, 140342.	8.0	20
61	Rising atmospheric CO ₂ levels result in an earlier cyanobacterial bloom-maintenance phase with higher algal biomass. <i>Water Research</i> , 2020, 185, 116267.	11.3	15
62	Elucidating multilevel toxicity response differences between tris(1,3-dichloro-2-propyl) phosphate and its primary metabolite in <i>Corbicula fluminea</i> . <i>Science of the Total Environment</i> , 2020, 749, 142049.	8.0	3
63	Field observation and simulation experiments on nutrient transformation during phytoplankton-derived particulate matter deposition. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25297-25311.	5.3	2
64	Light-controlled Ferromagnetism in Porphyrin Functionalized Ultrathin FeS Nanosheets. <i>Advanced Optical Materials</i> , 2020, 8, 2000046.	7.3	6
65	The photochemical release of dissolved organic matter from resuspended sediments: Insights from fluorescence spectroscopy. <i>Chemosphere</i> , 2020, 257, 127161.	8.2	9
66	Effects of aging and transformation of anatase and rutile TiO ₂ nanoparticles on biological phosphorus removal in sequencing batch reactors and related toxic mechanisms. <i>Journal of Hazardous Materials</i> , 2020, 398, 123030.	12.4	17
67	Responses of freshwater biofilm formation processes (from colonization to maturity) to anatase and rutile TiO ₂ nanoparticles: Effects of nanoparticles aging and transformation. <i>Water Research</i> , 2020, 182, 115953.	11.3	21
68	The surface engineering of ReS ₂ with cobalt for efficient performance in hydrogen evolution under both acid and alkaline conditions. <i>Chemical Communications</i> , 2020, 56, 8472-8475.	4.1	18
69	Improved photoremoval performance of boron carbon nitride-pyromellitic dianhydride composite toward tetracycline and Cr(VI) by itself to change the solution pH. <i>New Journal of Chemistry</i> , 2020, 44, 11105-11124.	2.8	15
70	Distinct Assembly Mechanisms Underlie Similar Biogeographic Patterns of Rare and Abundant Bacterioplankton in Cascade Reservoirs of a Large River. <i>Frontiers in Microbiology</i> , 2020, 11, 158.	3.5	37
71	Effects of silver nanoparticles on coupled nitrification-denitrification in suspended sediments. <i>Journal of Hazardous Materials</i> , 2020, 389, 122130.	12.4	32
72	Doping of carbon into boron nitride to get the increased adsorption ability for tetracycline from water by changing the pH of solution. <i>Chemical Engineering Journal</i> , 2020, 387, 124136.	12.7	100

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73	Insights into spatial effects of ceria nanoparticles on oxygen mass transfer in wastewater biofilms: Interfacial microstructure, in-situ microbial activity and metabolism regulation mechanism. <i>Water Research</i> , 2020, 176, 115731.	11.3	16
74	Effects of sediment components and TiO ₂ nanoparticles on perfluorooctane sulfonate adsorption properties. <i>Journal of Soils and Sediments</i> , 2019, 19, 2034-2047.	3.0	8
75	Homogeneous selection dominates the microbial community assembly in the sediment of the Three Gorges Reservoir. <i>Science of the Total Environment</i> , 2019, 690, 50-60.	8.0	108
76	Microstructure, bacterial community and metabolic prediction of multi-species biofilms following exposure to di-(2-ethylhexyl) phthalate (DEHP). <i>Chemosphere</i> , 2019, 237, 124382.	8.2	18
77	Investigation on the effects of sediment resuspension on the binding of colloidal organic matter to copper using fluorescence techniques. <i>Chemosphere</i> , 2019, 236, 124312.	8.2	10
78	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
79	Epiphytic bacterial community shift drives the nutrient cycle during <i>Potamogeton malaianus</i> decomposition. <i>Chemosphere</i> , 2019, 236, 124253.	8.2	34
80	The responses of bacterial community and N ₂ O emission to nitrogen input in lake sediment: Estrogen as a co-pollutant. <i>Environmental Research</i> , 2019, 179, 108769.	7.5	26
81	The Influence on Contaminant Bioavailability and Microbial Abundance of Lake Hongze by the South-to-North Water Diversion Project. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3068.	2.6	11
82	Cyanobacteria in eutrophic waters benefit from rising atmospheric CO ₂ concentrations. <i>Science of the Total Environment</i> , 2019, 691, 1144-1154.	8.0	26
83	Effects of decabromodiphenyl ether on activity, abundance, and community composition of phosphorus mineralizing bacteria in eutrophic lake sediments. <i>Science of the Total Environment</i> , 2019, 695, 133785.	8.0	24
84	Phytotoxicity and oxidative stress of perfluorooctanesulfonate to two riparian plants: <i>Acorus calamus</i> and <i>Phragmites communis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 215-226.	6.0	43
85	Nitrate addition promotes the nitrogen cycling processes under the co-contaminated tetrabromobisphenol A and copper condition in river sediment. <i>Environmental Pollution</i> , 2019, 251, 659-667.	7.5	12
86	Differential toxicity of anatase and rutile TiO ₂ nanoparticles to the antioxidant enzyme system and metabolic activities of freshwater biofilms based on microelectrodes and fluorescence <i>in situ</i> hybridization. <i>Environmental Science: Nano</i> , 2019, 6, 2626-2640.	4.3	12
87	Determination of vertical and horizontal assemblage drivers of bacterial community in a heavily polluted urban river. <i>Water Research</i> , 2019, 161, 98-107.	11.3	85
88	Novel Visible Light Driven Magnetically Separable Graphene/BiOBr Composite Photocatalysts with Enhanced Photocatalytic Activity. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 521-526.	1.0	0
89	Shifts in the Microbial Community of Activated Sludge with Different COD/N Ratios or Dissolved Oxygen Levels in Tibet, China. <i>Sustainability</i> , 2019, 11, 2284.	3.2	10
90	Developing boron nitride-pyromellitic dianhydride composite for removal of aromatic pollutants from wastewater via adsorption and photodegradation. <i>Chemosphere</i> , 2019, 229, 112-124.	8.2	19

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91	Quantitative measurement of aggregation kinetics process of nanoparticles using nanoparticle tracking analysis and dynamic light scattering. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	10
92	New Insights into Sediment Transport in Interconnected River–Lake Systems Through Tracing Microorganisms. <i>Environmental Science & Technology</i> , 2019, 53, 4099-4108.	10.0	47
93	Toxicity of Three Crystalline TiO ₂ Nanoparticles in Activated Sludge: Bacterial Cell Death Modes Differentially Weaken Sludge Dewaterability. <i>Environmental Science & Technology</i> , 2019, 53, 4542-4555.	10.0	70
94	Effects of interactions between humic acid and heavy metal ions on the aggregation of TiO ₂ nanoparticles in water environment. <i>Environmental Pollution</i> , 2019, 248, 834-844.	7.5	39
95	Life cycle assessment of advanced wastewater treatment processes: Involving 126 pharmaceuticals and personal care products in life cycle inventory. <i>Journal of Environmental Management</i> , 2019, 238, 442-450.	7.8	73
96	Synthesis of Porous Boron-Doped Carbon Nitride: Adsorption Capacity and Photo-Regeneration Properties. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 581.	2.6	13
97	Porous oxygen-doped carbon nitride: supramolecular preassembly technology and photocatalytic degradation of organic pollutants under low-intensity light irradiation. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15710-15723.	5.3	27
98	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
99	Vertical distribution and assemblages of microbial communities and their potential effects on sulfur metabolism in a black-odor urban river. <i>Journal of Environmental Management</i> , 2019, 235, 368-376.	7.8	77
100	Bacterial community composition and function shift with the aggravation of water quality in a heavily polluted river. <i>Journal of Environmental Management</i> , 2019, 237, 433-441.	7.8	79
101	Developing a Novel Layered Boron Nitride–Carbon Nitride Composite with High Efficiency and Selectivity To Remove Protonated Dyes from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5727-5741.	6.7	45
102	Fabrication and photocatalytic performance evaluation of hydrodynamic erosion-resistant nano-TiO ₂ –silicone resin composite films. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4997-5007.	5.3	4
103	Statistical determination of crucial taxa indicative of pollution gradients in sediments of Lake Taihu, China. <i>Environmental Pollution</i> , 2019, 246, 753-762.	7.5	48
104	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
105	Background nutrients and bacterial community evolution determine ¹³ C- ¹⁷ O ₂ -estradiol mineralization in lake sediment microcosms. <i>Science of the Total Environment</i> , 2019, 651, 2304-2311.	8.0	33
106	Investigating spectroscopic and copper-binding characteristics of organic matter derived from sediments and suspended particles using EEM-PARAFAC combined with two-dimensional fluorescence/FTIR correlation analyses. <i>Chemosphere</i> , 2019, 219, 45-53.	8.2	53
107	Sorption removal of phthalate esters and bisphenols to biofilms from urban river: From macroscopic to microcosmic investigation. <i>Water Research</i> , 2019, 150, 261-270.	11.3	33
108	Distinct community structure and microbial functions of biofilms colonizing microplastics. <i>Science of the Total Environment</i> , 2019, 650, 2395-2402.	8.0	387

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109	Numerical simulation of the composite foundation of cement soil mixing piles using FLAC3D. Cluster Computing, 2019, 22, 7965-7974.	5.0	13
110	Vertical Distribution of Particulates within the Near-Surface Layer of Dry Bulk Port and Influence Mechanism: A Case Study in China. Sustainability, 2019, 11, 7135.	3.2	6
111	Effects of Ag and Ag ₂ S nanoparticles on denitrification in sediments. Water Research, 2018, 137, 28-36.	11.3	84
112	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.	8.0	26
113	How physiological and physical processes contribute to the phenology of cyanobacterial blooms in large shallow lakes: A new Euler-Lagrangian coupled model. Water Research, 2018, 140, 34-43.	11.3	42
114	Enhanced visible light activated hydrogen evolution activity over cadmium sulfide nanorods by the synergetic effect of a thin carbon layer and noble metal-free nickel phosphide cocatalyst. Journal of Colloid and Interface Science, 2018, 525, 107-114.	9.4	35
115	Efficient degradation of atrazine by BiOBr/UiO-66 composite photocatalyst under visible light irradiation: Environmental factors, mechanisms and degradation pathways. Chemosphere, 2018, 203, 497-505.	8.2	118
116	Effects of water flow on submerged macrophyte-biofilm systems in constructed wetlands. Scientific Reports, 2018, 8, 2650.	3.3	25
117	Responses of wastewater biofilms to chronic CeO ₂ nanoparticles exposure: Structural, physicochemical and microbial properties and potential mechanism. Water Research, 2018, 133, 208-217.	11.3	64
118	Metal-free virucidal effects induced by g-C ₃ N ₄ under visible light irradiation: Statistical analysis and parameter optimization. Chemosphere, 2018, 195, 551-558.	8.2	50
119	Dredged-Sediment-Promoted Synthesis of Boron-Nitride-Based Floating Photocatalyst with Photodegradation of Neutral Red under Ultraviolet-Light Irradiation. ACS Applied Materials & Interfaces, 2018, 10, 4640-4651.	8.0	23
120	Significantly enhanced visible light photocatalytic efficiency of phosphorus doped TiO ₂ with surface oxygen vacancies for ciprofloxacin degradation: Synergistic effect and intermediates analysis. Journal of Hazardous Materials, 2018, 351, 196-205.	12.4	204
121	Photocatalytic properties of P25-doped TiO ₂ composite film synthesized via sol-gel method on cement substrate. Journal of Environmental Sciences, 2018, 66, 71-80.	6.1	23
122	TiO ₂ nanoparticles in sediments: Effect on the bioavailability of heavy metals in the freshwater bivalve Corbicula fluminea. Journal of Hazardous Materials, 2018, 342, 41-50.	12.4	43
123	Effect of a typical antibiotic (tetracycline) on the aggregation of TiO ₂ nanoparticles in an aquatic environment. Journal of Hazardous Materials, 2018, 341, 187-197.	12.4	67
124	Response of ammonia oxidizing archaea and bacteria to decabromodiphenyl ether and copper contamination in river sediments. Chemosphere, 2018, 191, 858-867.	8.2	31
125	Towards a better understanding on aggregation behavior of CeO ₂ nanoparticles in different natural waters under flow disturbance. Journal of Hazardous Materials, 2018, 343, 235-244.	12.4	23
126	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.	6.0	14

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127	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
128	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
129	Optimal allocation of physical water resources integrated with virtual water trade in water scarce regions: A case study for Beijing, China. <i>Water Research</i> , 2018, 129, 264-276.	11.3	116
130	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
131	Characterization of microbes and denitrifiers attached to two species of floating plants in the wetlands of Lake Taihu. <i>PLoS ONE</i> , 2018, 13, e0207443.	2.5	21
132	Assessment of the Multi-Objective Reservoir Operation for Maintaining the Turbidity Maximum Zone in the Yangtze River Estuary. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2118.	2.6	8
133	Mercury distribution, speciation and potential ecological risk assessment in sediments from Lake Taihu, China. <i>Toxicological and Environmental Chemistry</i> , 2018, 100, 425-439.	1.2	3
134	Titanium Phosphate Nanoplates Modified With AgBr@Ag Nanoparticles: A Novel Heterostructured Photocatalyst With Significantly Enhanced Visible Light Responsive Activity. <i>Frontiers in Chemistry</i> , 2018, 6, 489.	3.6	18
135	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.	2.6	18
136	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
137	Relationship between Photosynthetic Capacity and Microcystin Production in Toxic <i>Microcystis Aeruginosa</i> under Different Iron Regimes. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1954.	2.6	6
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