

Peifang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

263
papers

9,806
citations

41258

49
h-index

66788

78
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266
all docs

266
docs citations

266
times ranked

9059
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	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High-Performance Quasi-Homogeneous Photocatalytic H_2O_2 Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25546-25550.	7.2	251
3	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
4	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
5	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.	6.5	147
6	Spin-state reconfiguration induced by alternating magnetic field for efficient oxygen evolution reaction. <i>Nature Communications</i> , 2021, 12, 4827.	5.8	147
7	Bioaccumulation and trophic transfer of pharmaceuticals in food webs from a large freshwater lake. <i>Environmental Pollution</i> , 2017, 222, 356-366.	3.7	143
8	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
9	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
10	Efficient degradation of atrazine by BiOBr/U ₂ O ₈ composite photocatalyst under visible light irradiation: Environmental factors, mechanisms and degradation pathways. <i>Chemosphere</i> , 2018, 203, 497-505.	4.2	118
11	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.	10.8	118
12	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.	5.3	116
13	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.	6.5	115
14	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.	1.8	115
15	Life cycle assessment of water supply alternatives in water-receiving areas of the South-to-North Water Diversion Project in China. <i>Water Research</i> , 2016, 89, 9-19.	5.3	110
16	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.	3.9	108
17	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
18	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.	6.6	100

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19	Unraveling the Mechanism on Ultrahigh Efficiency Photocatalytic H ₂ O ₂ Generation for Dual-Heteroatom Incorporated Polymeric Carbon Nitride. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	100
20	Directing Charge Transfer in a Chemical-Bonded BaTiO ₃ @ReS ₂ Schottky Heterojunction for Piezoelectric Enhanced Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2202508.	11.1	98
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	Fate of antibiotic resistant cultivable heterotrophic bacteria and antibiotic resistance genes in wastewater treatment processes. <i>Chemosphere</i> , 2015, 135, 138-145.	4.2	93
23	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
24	Determination of vertical and horizontal assemblage drivers of bacterial community in a heavily polluted urban river. <i>Water Research</i> , 2019, 161, 98-107.	5.3	85
25	Effects of Ag and Ag ₂ S nanoparticles on denitrification in sediments. <i>Water Research</i> , 2018, 137, 28-36.	5.3	84
26	Effects of Pb on the oxidative stress and antioxidant response in a Pb bioaccumulator plant <i>Vallisneria spiralis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 28-34.	2.9	79
27	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.	3.8	79
28	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.	3.8	77
29	From source to sink: Review and prospects of microplastics in wetland ecosystems. <i>Science of the Total Environment</i> , 2021, 758, 143633.	3.9	77
30	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
31	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.	3.8	73
32	Photoelectrochemical cell for simultaneous electricity generation and heavy metals recovery from wastewater. <i>Journal of Hazardous Materials</i> , 2017, 323, 681-689.	6.5	72
33	Effects of Ag NPs on denitrification in suspended sediments via inhibiting microbial electron behaviors. <i>Water Research</i> , 2020, 171, 115436.	5.3	71
34	Responses of bacterial community structure and denitrifying bacteria in biofilm to submerged macrophytes and nitrate. <i>Scientific Reports</i> , 2016, 6, 36178.	1.6	70
35	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.	4.6	70
36	<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

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37	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
38	Antibiotic concentration and antibiotic-resistant bacteria in two shallow urban lakes after stormwater event. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9984-9992.	2.7	67
39	Effect of a typical antibiotic (tetracycline) on the aggregation of TiO ₂ nanoparticles in an aquatic environment. <i>Journal of Hazardous Materials</i> , 2018, 341, 187-197.	6.5	67
40	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.	5.3	67
41	Spin-related symmetry breaking induced by half-disordered hybridization in Bi ₂ Er ₂ -xRu ₂ O ₇ pyrochlores for acidic oxygen evolution. <i>Nature Communications</i> , 2022, 13, .	5.8	66
42	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
43	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
44	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
45	Removal of chlorpyrifos from waste water by wheat straw-derived biochar synthesized through oxygen-limited method. <i>RSC Advances</i> , 2015, 5, 72572-72578.	1.7	61
46	Electrolyte Cations Binding with Extracellular Polymeric Substances Enhanced <i>Microcystis</i> Aggregation: Implication for <i>Microcystis</i> Bloom Formation in Eutrophic Freshwater Lakes. <i>Environmental Science & Technology</i> , 2016, 50, 9034-9043.	4.6	60
47	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.	6.6	56
48	Cetyltrimethylammonium Bromide-Coated Fe ₃ O ₄ Magnetic Nanoparticles for Analysis of 15 Trace Polycyclic Aromatic Hydrocarbons in Aquatic Environments by Ultrapformance, Liquid Chromatography With Fluorescence Detection. <i>Analytical Chemistry</i> , 2015, 87, 7667-7675.	3.2	55
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	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.	4.2	53
51	Mechanism and experimental study on the photocatalytic performance of Ag/AgCl @ chiral TiO ₂ nanofibers photocatalyst: The impact of wastewater components. <i>Journal of Hazardous Materials</i> , 2015, 285, 277-284.	6.5	52
52	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
53	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.	3.7	50
54	Metal-free virucidal effects induced by g-C ₃ N ₄ under visible light irradiation: Statistical analysis and parameter optimization. <i>Chemosphere</i> , 2018, 195, 551-558.	4.2	50

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55	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
56	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
57	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
58	Surfactant-modified flowerlike layered double hydroxide-coated magnetic nanoparticles for preconcentration of phthalate esters from environmental water samples. <i>Journal of Chromatography A</i> , 2015, 1414, 22-30.	1.8	48
59	Preponderant adsorption for chlorpyrifos over atrazine by wheat straw-derived biochar: experimental and theoretical studies. <i>RSC Advances</i> , 2016, 6, 10615-10624.	1.7	48
60	In-situ growth of Au and ¹²⁵ I-Bi ₂ O ₃ nanoparticles on flower-like Bi ₂ O ₂ CO ₃ : A multi-heterojunction photocatalyst with enhanced visible light responsive photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 122-129.	5.0	48
61	Statistical determination of crucial taxa indicative of pollution gradients in sediments of Lake Taihu, China. <i>Environmental Pollution</i> , 2019, 246, 753-762.	3.7	48
62	Toxic effects of three crystalline phases of TiO ₂ nanoparticles on extracellular polymeric substances in freshwater biofilms. <i>Bioresource Technology</i> , 2017, 241, 276-283.	4.8	47
63	Developing polyetherimide/graphitic carbon nitride floating photocatalyst with good photodegradation performance of methyl orange under light irradiation. <i>Chemosphere</i> , 2017, 179, 84-91.	4.2	47
64	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
65	New Insights into Sediment Transport in Interconnected River-Lake Systems Through Tracing Microorganisms. <i>Environmental Science & Technology</i> , 2019, 53, 4099-4108.	4.6	47
66	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
67	Perfluorooctane sulfonate adsorption on powder activated carbon: Effect of phosphate (P) competition, pH, and temperature. <i>Chemosphere</i> , 2017, 182, 215-222.	4.2	46
68	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
69	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.	3.2	45
70	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
71	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.	5.3	44
72	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

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73	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
74	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
75	TiO ₂ nanoparticles in sediments: Effect on the bioavailability of heavy metals in the freshwater bivalve <i>Corbicula fluminea</i> . <i>Journal of Hazardous Materials</i> , 2018, 342, 41-50.	6.5	43
76	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.	2.9	43
77	Magnetic Nanoparticles Interaction with Humic Acid: In the Presence of Surfactants. <i>Environmental Science & Technology</i> , 2016, 50, 8640-8648.	4.6	42
78	How physiological and physical processes contribute to the phenology of cyanobacterial blooms in large shallow lakes: A new Euler-Lagrangian coupled model. <i>Water Research</i> , 2018, 140, 34-43.	5.3	42
79	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
80	Adsorption of perfluorooctane sulfonate on soils: Effects of soil characteristics and phosphate competition. <i>Chemosphere</i> , 2017, 168, 1383-1388.	4.2	41
81	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
82	Bacterial Communities in Riparian Sediments: A Large-Scale Longitudinal Distribution Pattern and Response to Dam Construction. <i>Frontiers in Microbiology</i> , 2018, 9, 999.	1.5	41
83	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
84	How bacterioplankton community can go with cascade damming in the highly regulated Lancang-Mekong River Basin. <i>Molecular Ecology</i> , 2018, 27, 4444-4458.	2.0	40
85	Selective recovery of protonated dyes from dye wastewater by pH-responsive BCN material. <i>Chemical Engineering Journal</i> , 2021, 412, 128532.	6.6	40
86	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.	3.7	39
87	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.	6.5	39
88	Combined toxicity of organophosphate flame retardants and cadmium to <i>Corbicula fluminea</i> in aquatic sediments. <i>Environmental Pollution</i> , 2018, 243, 645-653.	3.7	38
89	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.	5.3	38
90	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

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91	Ignored fungal community in activated sludge wastewater treatment plants: diversity and altitudinal characteristics. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4185-4193.	2.7	37
92	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.	3.9	37
93	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.	1.5	37
94	Multiple Effects of Environmental Factors on Algal Growth and Nutrient Thresholds for Harmful Algal Blooms: Application of Response Surface Methodology. <i>Environmental Modeling and Assessment</i> , 2016, 21, 247-259.	1.2	36
95	Development and validation of a bacteria-based index of biotic integrity for assessing the ecological status of urban rivers: A case study of Qinhuai River basin in Nanjing, China. <i>Journal of Environmental Management</i> , 2017, 196, 161-167.	3.8	36
96	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
97	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
98	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. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 107-114.	5.0	35
99	Optimal reservoir operation using multi-objective evolutionary algorithms for potential estuarine eutrophication control. <i>Journal of Environmental Management</i> , 2018, 223, 758-770.	3.8	35
100	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
101	Adsorption behavior of lead on aquatic sediments contaminated with cerium dioxide nanoparticles. <i>Environmental Pollution</i> , 2016, 219, 416-424.	3.7	34
102	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
103	Transport, retention, and long-term release behavior of polymer-coated silver nanoparticles in saturated quartz sand: The impact of natural organic matters and electrolyte. <i>Environmental Pollution</i> , 2017, 229, 49-59.	3.7	34
104	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
105	Epiphytic bacterial community shift drives the nutrient cycle during <i>Potamogeton malaianus</i> decomposition. <i>Chemosphere</i> , 2019, 236, 124253.	4.2	34
106	New insights into the spatial variability of biofilm communities and potentially negative bacterial groups in hydraulic concrete structures. <i>Water Research</i> , 2017, 123, 495-504.	5.3	33
107	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.	3.9	33
108	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.	5.3	33

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109	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.	3.7	33
110	Revealing the relationship between microbial community structure in natural biofilms and the pollution level in urban rivers: a case study in the Qinhuai River basin, Yangtze River Delta. <i>Water Science and Technology</i> , 2016, 74, 1163-1176.	1.2	32
111	Response of bacterial community compositions to different sources of pollutants in sediments of a tributary of Taihu Lake, China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13886-13894.	2.7	32
112	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
113	Effects of silver nanoparticles on coupled nitrification–denitrification in suspended sediments. <i>Journal of Hazardous Materials</i> , 2020, 389, 122130.	6.5	32
114	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
115	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
116	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
117	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
118	Response of ammonia oxidizing archaea and bacteria to decabromodiphenyl ether and copper contamination in river sediments. <i>Chemosphere</i> , 2018, 191, 858-867.	4.2	31
119	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
120	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
121	Understanding the Linkage between Elevation and the Activated-Sludge Bacterial Community along a 3,600-Meter Elevation Gradient in China. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6567-6576.	1.4	29
122	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
123	Highly efficient adsorption of uranium(^{VI}) from aqueous solution by a novel adsorbent: titanium phosphate nanotubes. <i>Environmental Science: Nano</i> , 2018, 5, 2304-2314.	2.2	29
124	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
125	Photoproduction of dissolved organic carbon and inorganic nutrients from resuspended lake sediments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22126-22135.	2.7	28
126	Experimental and theoretical studies on methylene blue and methyl orange sorption by wheat straw-derived biochar with a large surface area. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30196-30203.	1.3	27

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127	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
128	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
129	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.	2.7	27
130	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.	3.7	27
131	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
132	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
133	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
134	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
135	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.	3.7	26
136	Cyanobacteria in eutrophic waters benefit from rising atmospheric CO ₂ concentrations. <i>Science of the Total Environment</i> , 2019, 691, 1144-1154.	3.9	26
137	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
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