

# Qiang He

## List of Publications by Year in descending order

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196  
papers

8,623  
citations

43973

48  
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58464

82  
g-index

201  
all docs

201  
docs citations

201  
times ranked

8124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sign-to-speech translation using machine-learning-assisted stretchable sensor arrays. <i>Nature Electronics</i> , 2020, 3, 571-578.	13.1	513
2	Phytoplankton response to polystyrene microplastics: Perspective from an entire growth period. <i>Chemosphere</i> , 2018, 208, 59-68.	4.2	434
3	Machine-knitted washable sensor array textile for precise epidermal physiological signal monitoring. <i>Science Advances</i> , 2020, 6, eaay2840.	4.7	309
4	Flexible Weaving Constructed Self-Powered Pressure Sensor Enabling Continuous Diagnosis of Cardiovascular Disease and Measurement of Cuffless Blood Pressure. <i>Advanced Functional Materials</i> , 2019, 29, 1806388.	7.8	297
5	Macrophage Cell Membrane Camouflaged Au Nanoshells for in Vivo Prolonged Circulation Life and Enhanced Cancer Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9610-9618.	4.0	295
6	Stem Cell Membrane-Coated Nanogels for Highly Efficient In Vivo Tumor Targeted Drug Delivery. <i>Small</i> , 2016, 12, 4056-4062.	5.2	271
7	Single-layered ultra-soft washable smart textiles for all-around ballistocardiograph, respiration, and posture monitoring during sleep. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112064.	5.3	233
8	Impacts of chlorothalonil on denitrification and N <sub>2</sub> O emission in riparian sediments: Microbial metabolism mechanism. <i>Water Research</i> , 2019, 148, 188-197.	5.3	143
9	Novel lanthanum doped biochars derived from lignocellulosic wastes for efficient phosphate removal and regeneration. <i>Bioresource Technology</i> , 2019, 289, 121600.	4.8	131
10	Nanoplastics Disturb Nitrogen Removal in Constructed Wetlands: Responses of Microbes and Macrophytes. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14007-14016.	4.6	128
11	Highly efficient nitrate removal in a heterotrophic denitrification system amended with redox-active biochar: A molecular and electrochemical mechanism. <i>Bioresource Technology</i> , 2019, 275, 297-306.	4.8	115
12	Nanoplastics display strong stability in aqueous environments: Insights from aggregation behaviour and theoretical calculations. <i>Environmental Pollution</i> , 2020, 258, 113760.	3.7	113
13	Cytotoxic effects of polystyrene nanoplastics with different surface functionalization on human HepG2 cells. <i>Science of the Total Environment</i> , 2020, 723, 138180.	3.9	113
14	Removal of Methylene Blue from Aqueous Solutions by Sewage Sludge Based Granular Activated Carbon: Adsorption Equilibrium, Kinetics, and Thermodynamics. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 2248-2253.	1.0	107
15	Impacts of rapid urbanization on the water quality and macroinvertebrate communities of streams: A case study in Liangjiang New Area, China. <i>Science of the Total Environment</i> , 2018, 621, 1601-1614.	3.9	101
16	Machine learning in natural and engineered water systems. <i>Water Research</i> , 2021, 205, 117666.	5.3	98
17	Near-infrared light-driven Janus capsule motors: Fabrication, propulsion, and simulation. <i>Nano Research</i> , 2016, 9, 3747-3756.	5.8	96
18	Enhanced simultaneous nitrification and denitrification in treating low carbon-to-nitrogen ratio wastewater: Treatment performance and nitrogen removal pathway. <i>Bioresource Technology</i> , 2019, 280, 51-58.	4.8	94

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19	A review on the interactions between engineered nanoparticles with extracellular and intracellular polymeric substances from wastewater treatment aggregates. <i>Chemosphere</i> , 2019, 219, 766-783.	4.2	92
20	Efficient simultaneous partial nitrification, anammox and denitrification (SNAD) system equipped with a real-time dissolved oxygen (DO) intelligent control system and microbial community shifts of different substrate concentrations. <i>Water Research</i> , 2017, 119, 201-211.	5.3	90
21	Simultaneous partial nitrification, anammox and denitrification (SNAD) process for nitrogen and refractory organic compounds removal from mature landfill leachate: Performance and metagenome-based microbial ecology. <i>Bioresource Technology</i> , 2019, 294, 122166.	4.8	89
22	The potential multiple mechanisms and microbial communities in simultaneous nitrification and denitrification process treating high carbon and nitrogen concentration saline wastewater. <i>Bioresource Technology</i> , 2017, 243, 708-715.	4.8	88
23	Metagenomic analysis of the biotoxicity of titanium dioxide nanoparticles to microbial nitrogen transformation in constructed wetlands. <i>Journal of Hazardous Materials</i> , 2020, 384, 121376.	6.5	85
24	Impact of biochar on greenhouse gas emissions from constructed wetlands under various influent chemical oxygen demand to nitrogen ratios. <i>Bioresource Technology</i> , 2020, 303, 122908.	4.8	84
25	Copper oxide nanoparticles inhibited denitrifying enzymes and electron transport system activities to influence soil denitrification and N <sub>2</sub> O emission. <i>Chemosphere</i> , 2020, 245, 125394.	4.2	82
26	Sulfur and iron cycles promoted nitrogen and phosphorus removal in electrochemically assisted vertical flow constructed wetland treating wastewater treatment plant effluent with high S/N ratio. <i>Water Research</i> , 2019, 151, 20-30.	5.3	80
27	A novel artificial fish swarm algorithm for solving large-scale reliability redundancy application problem. <i>ISA Transactions</i> , 2015, 59, 105-113.	3.1	77
28	Metagenomic analysis reveals enhanced nutrients removal from low C/N municipal wastewater in a pilot-scale modified AAO system coupling electrolysis. <i>Water Research</i> , 2020, 173, 115530.	5.3	77
29	Leukocyte Membrane-Coated Liquid Metal Nanoswimmers for Actively Targeted Delivery and Synergistic Chemophothermal Therapy. <i>Research</i> , 2020, 2020, 3676954.	2.8	73
30	Mesophilic anaerobic co-digestion of residual sludge with different lignocellulosic wastes in the batch digester. <i>Bioresource Technology</i> , 2018, 268, 371-381.	4.8	71
31	Effects of citrus peel biochar on anaerobic co-digestion of food waste and sewage sludge and its direct interspecies electron transfer pathway study. <i>Chemical Engineering Journal</i> , 2020, 398, 125643.	6.6	71
32	Distribution and characteristics of microplastics in the Yulin River, China: Role of environmental and spatial factors. <i>Environmental Pollution</i> , 2020, 265, 115033.	3.7	71
33	Leucocyte Membrane-Coated Janus Microcapsules for Enhanced Photothermal Cancer Treatment. <i>Langmuir</i> , 2016, 32, 3637-3644.	1.6	68
34	A novel process combining simultaneous partial nitrification, anammox and denitrification (SNAD) with denitrifying phosphorus removal (DPR) to treat sewage. <i>Bioresource Technology</i> , 2016, 222, 309-316.	4.8	68
35	Enhanced hydrolysis of lignocellulose in corn cob by using food waste pretreatment to improve anaerobic digestion performance. <i>Journal of Environmental Management</i> , 2020, 254, 109830.	3.8	66
36	Prediction of the effect of fine grit on the MLVSS/MLSS ratio of activated sludge. <i>Bioresource Technology</i> , 2015, 190, 51-56.	4.8	65

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37	Cost-effective domestic wastewater treatment and bioenergy recovery in an immobilized microalgal-based photoautotrophic microbial fuel cell (PMFC). <i>Chemical Engineering Journal</i> , 2019, 372, 956-965.	6.6	64
38	What Roles Are Terrestrial Plants Playing in Global Microplastic Cycling?. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5325-5327.	4.6	64
39	Surface Wettability-Directed Propulsion of Glucose-Powered Nanoflask Motors. <i>ACS Nano</i> , 2019, 13, 12758-12766.	7.3	63
40	Exceptional levofloxacin removal using biochar-derived porous carbon sheets: Mechanisms and density-functional-theory calculation. <i>Chemical Engineering Journal</i> , 2020, 387, 124103.	6.6	63
41	Effects of green waste participation on the co-digestion of residual sludge and kitchen waste: A preliminary study. <i>Science of the Total Environment</i> , 2019, 671, 838-849.	3.9	61
42	Biochar remediates denitrification process and N <sub>2</sub> O emission in pesticide chlorothalonil-polluted soil: Role of electron transport chain. <i>Chemical Engineering Journal</i> , 2019, 370, 587-594.	6.6	61
43	Single-stage denitrifying phosphorus removal biofilter utilizing intracellular carbon source for advanced nutrient removal and phosphorus recovery. <i>Bioresource Technology</i> , 2019, 277, 27-36.	4.8	61
44	Efficient nitrogen removal in a modified sequencing batch biofilm reactor treating hypersaline mustard tuber wastewater: The potential multiple pathways and key microorganisms. <i>Water Research</i> , 2020, 177, 115734.	5.3	61
45	Biopolymer-based flocculants: a review of recent technologies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46934-46963.	2.7	61
46	Enhanced selective adsorption of lead(II) from complex wastewater by DTPA functionalized chitosan-coated magnetic silica nanoparticles based on anion-synergism. <i>Journal of Hazardous Materials</i> , 2022, 422, 126856.	6.5	54
47	Interactions between suspended particulate matter and algal cells contributed to the reconstruction of phytoplankton communities in turbulent waters. <i>Water Research</i> , 2019, 149, 251-262.	5.3	53
48	Chemical removal and selectivity reduction of nitrate from water by (nano) zero-valent iron/activated carbon micro-electrolysis. <i>Chemosphere</i> , 2020, 248, 125986.	4.2	52
49	Flexible Triboelectric Nanogenerator as Self-Powered Force and Bend Sensor for Wireless and Distributed Landslide Monitoring. <i>Advanced Materials Technologies</i> , 2018, 3, 1800144.	3.0	50
50	Development and application of a water pollution emergency response system for the Three Gorges Reservoir in the Yangtze River, China. <i>Journal of Environmental Sciences</i> , 2011, 23, 595-600.	3.2	48
51	Short-term responses of denitrification to chlorothalonil in riparian sediments: Process, mechanism and implication. <i>Chemical Engineering Journal</i> , 2019, 358, 1390-1398.	6.6	48
52	Global nitrogen input on wetland ecosystem: The driving mechanism of soil labile carbon and nitrogen on greenhouse gas emissions. <i>Environmental Science and Ecotechnology</i> , 2020, 4, 100063.	6.7	48
53	Bubble-Pair Propelled Colloidal Kayaker. <i>Journal of the American Chemical Society</i> , 2018, 140, 11902-11905.	6.6	47
54	Azithromycin induces dual effects on microalgae: Roles of photosynthetic damage and oxidative stress. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112496.	2.9	47

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55	How Leucocyte Cell Membrane Modified Janus Microcapsules are Phagocytosed by Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4407-4415.	4.0	46
56	Digestive performance of sludge with different crop straws in mesophilic anaerobic digestion. <i>Bioresource Technology</i> , 2019, 289, 121595.	4.8	45
57	Simultaneous enhancement of treatment performance and energy recovery using pyrite as anodic filling material in constructed wetland coupled with microbial fuel cells. <i>Water Research</i> , 2021, 201, 117333.	5.3	44
58	Significantly improving trace thallium removal from surface waters during coagulation enhanced by nanosized manganese dioxide. <i>Chemosphere</i> , 2017, 168, 264-271.	4.2	43
59	Constructing zwitterionic polymer brush layer to enhance gravity-driven membrane performance by governing biofilm formation. <i>Water Research</i> , 2020, 168, 115181.	5.3	43
60	Effects of acid/alkali pretreatments on lignocellulosic biomass mono-digestion and its co-digestion with waste activated sludge. <i>Journal of Cleaner Production</i> , 2020, 277, 123998.	4.6	43
61	Functional microorganisms and enzymes related nitrogen cycle in the biofilm performing simultaneous nitrification and denitrification. <i>Bioresource Technology</i> , 2020, 314, 123697.	4.8	43
62	Effects of hydrothermal pretreatment on the mono- and co-digestion of waste activated sludge and wheat straw. <i>Science of the Total Environment</i> , 2020, 732, 139312.	3.9	42
63	Impacts of carbon-based nanomaterials on nutrient removal in constructed wetlands: Microbial community structure, enzyme activities, and metabolism process. <i>Journal of Hazardous Materials</i> , 2021, 401, 123270.	6.5	41
64	The alleviative effect of exogenous phytohormones on the growth, physiology and gene expression of <i>Tetraselmis cordiformis</i> under high ammonia-nitrogen stress. <i>Bioresource Technology</i> , 2019, 282, 339-347.	4.8	40
65	Influence of titanium dioxide nanoparticles on functionalities of constructed wetlands for wastewater treatment. <i>Chemical Engineering Journal</i> , 2018, 352, 655-663.	6.6	39
66	Comprehensively evaluating the digestive performance of sludge with different lignocellulosic components in mesophilic anaerobic digester. <i>Bioresource Technology</i> , 2019, 293, 122042.	4.8	39
67	Formation, extracellular polymeric substances, and structural stability of aerobic granules enhanced by granular activated carbon. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6123-6132.	2.7	39
68	Enhanced synergistic performance of nano-FeO-CeO <sub>2</sub> composites for the degradation of diclofenac in DBD plasma. <i>Chemical Engineering Journal</i> , 2021, 406, 126884.	6.6	39
69	New insight into ammonium oxidation processes and mechanisms mediated by manganese oxide in constructed wetlands. <i>Water Research</i> , 2022, 215, 118251.	5.3	39
70	Deposition Kinetics of Colloidal Manganese Dioxide onto Representative Surfaces in Aquatic Environments: The Role of Humic Acid and Biomacromolecules. <i>Environmental Science &amp; Technology</i> , 2019, 53, 146-156.	4.6	38
71	Poly(vinyl alcohol) hydrogels integrated with cuprous oxide-tannic acid submicroparticles for enhanced mechanical properties and synergetic antibiofouling. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 491-498.	5.0	38
72	Effects of dissolved oxygen on microbial community of single-stage autotrophic nitrogen removal system treating simulating mature landfill leachate. <i>Bioresource Technology</i> , 2016, 218, 962-968.	4.8	36

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73	Engineering porous biochar for capacitive fluorine removal. <i>Separation and Purification Technology</i> , 2021, 257, 117932.	3.9	36
74	Influence of dissolved black carbon on the aggregation and deposition of polystyrene nanoplastics: Comparison with dissolved humic acid. <i>Water Research</i> , 2021, 196, 117054.	5.3	36
75	Enhancement of performance and stability of anaerobic co-digestion of waste activated sludge and kitchen waste by using bentonite. <i>PLoS ONE</i> , 2019, 14, e0218856.	1.1	35
76	Polybenzoxazole Nanofiber-Reinforced Moisture-Responsive Soft Actuators. <i>Scientific Reports</i> , 2017, 7, 769.	1.6	34
77	Autonomous Motion of Bubble-Powered Carbonaceous Nanoflask Motors. <i>Langmuir</i> , 2020, 36, 7039-7045.	1.6	33
78	Intensified nitrogen and phosphorus removal by embedding electrolysis in an anaerobic-oxic reactor treating low carbon/nitrogen wastewater. <i>Bioresource Technology</i> , 2018, 256, 562-565.	4.8	32
79	Sustainable modulation of anaerobic malodorous black water: The interactive effect of oxygen-loaded porous material and submerged macrophyte. <i>Water Research</i> , 2019, 160, 70-80.	5.3	32
80	Strong turbulence benefits toxic and colonial cyanobacteria in water: A potential way of climate change impact on the expansion of Harmful Algal Blooms. <i>Science of the Total Environment</i> , 2019, 670, 613-622.	3.9	32
81	Preparation of a Microspherical Silver-Reduced Graphene Oxide-Bismuth Vanadate Composite and Evaluation of Its Photocatalytic Activity. <i>Materials</i> , 2016, 9, 160.	1.3	31
82	Effective removal of trace thallium from surface water by nanosized manganese dioxide enhanced quartz sand filtration. <i>Chemosphere</i> , 2017, 189, 1-9.	4.2	31
83	Underestimated methane production triggered by phytoplankton succession in river-reservoir systems: Evidence from a microcosm study. <i>Water Research</i> , 2020, 185, 116233.	5.3	31
84	Enhancement of denitrification in biofilters by immobilized biochar under low-temperature stress. <i>Bioresource Technology</i> , 2022, 347, 126664.	4.8	31
85	Impact of microplastics on the treatment performance of constructed wetlands: Based on substrate characteristics and microbial activities. <i>Water Research</i> , 2022, 217, 118430.	5.3	31
86	New insights into the impacts of suspended particulate matter on phytoplankton density in a tributary of the Three Gorges Reservoir, China. <i>Scientific Reports</i> , 2017, 7, 13518.	1.6	30
87	Long-term treatment with nicotinamide induces glucose intolerance and skeletal muscle lipotoxicity in normal chow-fed mice: compared to diet-induced obesity. <i>Journal of Nutritional Biochemistry</i> , 2016, 36, 31-41.	1.9	29
88	Forecastable and Guidable Bubble-Propelled Microplate Motors for Cell Transport. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600795.	2.0	29
89	Mechanism and kinetics of biofilm growth process influenced by shear stress in sewers. <i>Water Science and Technology</i> , 2016, 73, 1572-1582.	1.2	28
90	Spatiotemporal distribution and potential risk assessment of microcystins in the Yulin River, a tributary of the Three Gorges Reservoir, China. <i>Journal of Hazardous Materials</i> , 2018, 347, 184-195.	6.5	28

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91	Janus-micromotor-based onâ€“off luminescence sensor for active TNT detection. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1324-1331.	1.5	28
92	Distinct responses of planktonic and sedimentary bacterial communities to anthropogenic activities: Case study of a tributary of the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2019, 682, 324-332.	3.9	28
93	Formation, extracellular polymeric substances and microbial community of aerobic granules enhanced by microbial flocculant compared with poly-aluminum chloride. <i>Journal of Cleaner Production</i> , 2019, 220, 544-552.	4.6	28
94	Exploring simultaneous nitrous oxide and methane sink in wetland sediments under anoxic conditions. <i>Water Research</i> , 2021, 194, 116958.	5.3	28
95	High-temperature biofilm system based on heterotrophic nitrification and aerobic denitrification treating high-strength ammonia wastewater: Nitrogen removal performances and temperature-regulated metabolic pathways. <i>Bioresource Technology</i> , 2022, 344, 126184.	4.8	28
96	Are Micro- or Nanoplastics Leached from Drinking Water Distribution Systems?. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9339-9340.	4.6	27
97	Deposition of engineered nanoparticles (ENPs) on surfaces in aquatic systems: a review of interaction forces, experimental approaches, and influencing factors. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33056-33081.	2.7	26
98	Interactions between activated sludge extracellular polymeric substances and model carrier surfaces in WWTPs: A combination of QCM-D, AFM and XDLVO prediction. <i>Chemosphere</i> , 2020, 253, 126720.	4.2	26
99	Ultrasensitive Fingertip-Contacted Pressure Sensors To Enable Continuous Measurement of Epidermal Pulse Waves on Ubiquitous Object Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46399-46407.	4.0	25
100	Electroless deposition of copper nanoparticles integrates polydopamine coating on reverse osmosis membranes for efficient biofouling mitigation. <i>Water Research</i> , 2022, 217, 118375.	5.3	25
101	Electron buffer formation through coupling thiosulfate-dependent denitratation with anammox in a single-stage sequencing batch reactor. <i>Bioresource Technology</i> , 2020, 312, 123560.	4.8	24
102	Detection and treatment of organic matters in hydraulic fracturing wastewater from shale gas extraction: A critical review. <i>Science of the Total Environment</i> , 2022, 824, 153887.	3.9	24
103	A Bearing Fault Diagnosis Method Based on Feature Selection Feedback Network and Improved D-S Evidence Fusion. <i>IEEE Access</i> , 2020, 8, 20523-20536.	2.6	22
104	In situ potential measurement in a flow-electrode CDI for energy consumption estimation and system optimization. <i>Water Research</i> , 2021, 203, 117522.	5.3	22
105	Cotransport of thallium(I) with polystyrene plastic particles in water-saturated porous media. <i>Journal of Hazardous Materials</i> , 2022, 422, 126910.	6.5	22
106	Using multivariate techniques to assess the effects of urbanization on surface water quality: a case study in the Liangjiang New Area, China. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 174.	1.3	21
107	The role of turbulence in internal phosphorus release: Turbulence intensity matters. <i>Environmental Pollution</i> , 2019, 252, 84-93.	3.7	21
108	Disturbances of electron production, transport and utilization caused by chlorothalonil are responsible for the deterioration of soil denitrification. <i>Soil Biology and Biochemistry</i> , 2019, 134, 100-107.	4.2	21

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109	Toxic effects of terpinolene on <i>Microcystis aeruginosa</i> : Physiological, metabolism, gene transcription, and growth effects. <i>Science of the Total Environment</i> , 2020, 719, 137376.	3.9	21
110	Enhanced mesophilic anaerobic co-digestion of waste sludge and food waste by using hematite ( $\text{Fe}_2\text{O}_3$ ) supported bentonite as additive. <i>Bioresource Technology</i> , 2020, 313, 123603.	4.8	20
111	Bioaccumulation and Translocation of 6:2 Fluorotelomer Sulfonate, GenX, and Perfluoroalkyl Acids by Urban Spontaneous Plants. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 1169-1178.	3.7	20
112	Antioxidant Supplement Inhibits Skeletal Muscle Constitutive Autophagy rather than Fasting-Induced Autophagy in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-10.	1.9	18
113	Denitrification synergized with ANAMMOX for the anaerobic degradation of benzene: performance and microbial community structure. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4315-4325.	1.7	18
114	Annual variation patterns of the effluent water quality from a green roof and the overall impacts of its structure. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30170-30179.	2.7	18
115	Nitrous oxide emission mitigation during low-carbon source wastewater treatment: effect of external carbon source supply strategy. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23095-23107.	2.7	18
116	A conceptual method to simultaneously inhibit methane and hydrogen sulfide production in sewers: The carbon metabolic pathway and microbial community shift. <i>Journal of Environmental Management</i> , 2019, 246, 119-127.	3.8	18
117	Thallium(I) Oxidation by Permanganate and Chlorine: Kinetics and Manganese Dioxide Catalysis. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7205-7216.	4.6	18
118	Boosting Lithium-Ion Transport Kinetics by Increasing the Local Lithium-Ion Concentration Gradient in Composite Anodes of Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 14752-14758.	4.0	18
119	Co-digestive performance of food waste and hydrothermal pretreated corn cob. <i>Science of the Total Environment</i> , 2021, 768, 144448.	3.9	18
120	Mechanism study of improving anaerobic co-digestion performance of waste activated sludge and food waste by $\text{Fe}_3\text{O}_4$ . <i>Journal of Environmental Management</i> , 2021, 300, 113745.	3.8	18
121	Potassium regulates the growth and toxin biosynthesis of <i>Microcystis aeruginosa</i> . <i>Environmental Pollution</i> , 2020, 267, 115576.	3.7	17
122	Transport of Tl(I) in water-saturated porous media: Role of carbonate, phosphate and macromolecular organic matter. <i>Water Research</i> , 2020, 186, 116325.	5.3	17
123	Lack of methane hotspot in the upstream dam: Case study in a tributary of the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2021, 754, 142151.	3.9	17
124	New insights in correlating greenhouse gas emissions and microbial carbon and nitrogen transformations in wetland sediments based on genomic and functional analysis. <i>Journal of Environmental Management</i> , 2021, 297, 113280.	3.8	17
125	A critical review on sulfur reduction of aqueous selenite: Mechanisms and applications. <i>Journal of Hazardous Materials</i> , 2022, 422, 126852.	6.5	17
126	Metal-organic framework derived carbon nanoarchitectures for highly efficient flow-electrode CDI desalination. <i>Environmental Research</i> , 2022, 208, 112727.	3.7	16



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127	Effect of flow rate on growth and oxygen consumption of biofilm in gravity sewer. <i>Environmental Science and Pollution Research</i> , 2017, 24, 427-435.	2.7	15
128	Enhanced nitrate adsorption by using cetyltrimethylammonium chloride pre-loaded activated carbon. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 3562-3572.	1.2	15
129	Potassium regulates cadmium toxicity in <i>Microcystis aeruginosa</i> . <i>Journal of Hazardous Materials</i> , 2021, 413, 125374.	6.5	15
130	Synthesis and photocatalytic activity of hexagonal phase NaYF <sub>4</sub> :Ho <sup>3+</sup> @TiO <sub>2</sub> core-shell microcrystals. <i>CrystEngComm</i> , 2016, 18, 6471-6482.	1.3	14
131	Study of Phosphorus Removal by Using Sponge Iron Adsorption. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	14
132	Long-term effects of chlorothalonil on microbial denitrification and N <sub>2</sub> O emission in a tea field soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 17370-17381.	2.7	14
133	Potential applications of endogenous sulfide for enhanced denitrification of low C/N domestic wastewater in anodic mixotrophic denitrification microbial fuel cell: The mechanism of electrons transfer and microbial community. <i>Science of the Total Environment</i> , 2020, 722, 137830.	3.9	14
134	Synthesis and trapping properties of dithiocarbamate macromolecule heavy-metal flocculants. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2461-2466.	1.3	13
135	Impact of dissolved oxygen on the production of nitrous oxide in biological aerated filters. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	3.3	13
136	Suitable flow pattern increases the removal efficiency of nitrogen in gravity sewers: a suitable anoxic and aerobic environment in biofilms. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15743-15753.	2.7	13
137	Improving PHA production in a SBR of coupling PHA-storing microorganism enrichment and PHA accumulation by feed-on-demand control. <i>AMB Express</i> , 2018, 8, 97.	1.4	13
138	Turn the potential greenhouse gases into biomass in harmful algal blooms waters: A microcosm study. <i>Science of the Total Environment</i> , 2019, 655, 520-528.	3.9	13
139	Aggregation and deposition behaviors of dissolved black carbon with coexisting heavy metals in aquatic solution. <i>Environmental Science: Nano</i> , 2020, 7, 2773-2784.	2.2	13
140	Marine algae facilitate transfer of microplastics and associated pollutants into food webs. <i>Science of the Total Environment</i> , 2021, 787, 147535.	3.9	13
141	Impacts of carrier properties, environmental conditions and extracellular polymeric substances on biofilm formation of sieved fine particles from activated sludge. <i>Science of the Total Environment</i> , 2020, 731, 139196.	3.9	13
142	Selection and synthesization of multi-carbon source composites to enhance simultaneous nitrification-denitrification in treating low C/N wastewater. <i>Chemosphere</i> , 2022, 288, 132567.	4.2	13
143	Phytoremediation of levonorgestrel in aquatic environment by hydrophytes. <i>Journal of Environmental Sciences</i> , 2014, 26, 1869-1873.	3.2	12
144	Microcontact printing of polyelectrolyte multilayer thin films: Glass-viscous flow transition based effects and hydration methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 271-278.	2.3	12

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