

Qiang He

List of Publications by Year in descending order

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196
papers

8,623
citations

43973

48
h-index

58464

82
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201
all docs

201
docs citations

201
times ranked

8124
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review on sulfur reduction of aqueous selenite: Mechanisms and applications. <i>Journal of Hazardous Materials</i> , 2022, 422, 126852.	6.5	17
2	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
3	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
4	The potential of electrotrophic denitrification coupled with sulfur recycle in MFC and its responses to COD/SO ₄ ²⁻ ratios. <i>Chemosphere</i> , 2022, 287, 132149.	4.2	5
5	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
6	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
7	Distinct granulation pathways of aerobic granular sludge under poly aluminum chloride enhancement. <i>Science of the Total Environment</i> , 2022, 807, 150829.	3.9	12
8	Kinetics of Thallium(I) Oxidation by Free Chlorine in Bromide-Containing Waters: Insights into the Reactivity with Bromine Species. <i>Environmental Science & Technology</i> , 2022, 56, 1017-1027.	4.6	8
9	Potassium supplement enhanced cadmium removal in a <i>Microcystis aeruginosa</i> photobioreactor: Evidence from actual and simulated wastewater. <i>Journal of Hazardous Materials</i> , 2022, 424, 127719.	6.5	2
10	Thermodynamic and kinetic coupling modeling for thallium(I) sorption at a heterogeneous titanium dioxide interface. <i>Journal of Hazardous Materials</i> , 2022, 428, 128230.	6.5	11
11	Enhancement of denitrification in biofilters by immobilized biochar under low-temperature stress. <i>Bioresource Technology</i> , 2022, 347, 126664.	4.8	31
12	Kinetics and mechanism of Thallium(I) oxidation by Permanganate: Role of bromide. <i>Chemosphere</i> , 2022, 293, 133652.	4.2	3
13	Response of CO ₂ and CH ₄ transport to damming: A case study of Yulin River in the Three Gorges Reservoir, China. <i>Environmental Research</i> , 2022, 208, 112733.	3.7	8
14	Metal-organic framework derived carbon nanoarchitectures for highly efficient flow-electrode CDI desalination. <i>Environmental Research</i> , 2022, 208, 112727.	3.7	16
15	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
16	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
17	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
18	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

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19	Bioaccumulation and Translocation of 6:2 Fluorotelomer Sulfonate, GenX, and Perfluoroalkyl Acids by Urban Spontaneous Plants. <i>ACS ES&T Engineering</i> , 2022, 2, 1169-1178.	3.7	20
20	Light- and H ₂ O ₂ -Mediated Redox Transformation of Thallium in Acidic Solutions Containing Iron: Kinetics and Mechanistic Insights. <i>Environmental Science & Technology</i> , 2022, 56, 5530-5541.	4.6	11
21	Is the role of aerobic methanotrophs underestimated in methane oxidation under hypoxic conditions?. <i>Science of the Total Environment</i> , 2022, 833, 155244.	3.9	9
22	Anaerobic dynamic membrane bioreactors for synthetic blackwater treatment under room temperature and mesophilic conditions. <i>Bioresource Technology</i> , 2022, 355, 127295.	4.8	11
23	Composition Characterization and Transformation Mechanism of Dissolved Organic Matters in a Full-Scale Membrane Bioreactor Treating Co-Digestion Wastewater of Food Waste and Sewage Sludge. <i>Sustainability</i> , 2022, 14, 6556.	1.6	0
24	Ammonia Recovery from Wastewater as a Fuel: Effects of Supporting Electrolyte on Ammonium Permeation through a Cation-Exchange Membrane. <i>ACS Omega</i> , 2022, 7, 20634-20643.	1.6	2
25	Regulating autogenic vegetation in the riparian zone reduces carbon emissions: Evidence from a microcosm study. <i>Science of the Total Environment</i> , 2022, 840, 156715.	3.9	1
26	Effects of green waste addition on waste activated sludge and fat, oil and grease co-digestion in mesophilic batch digester. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1-15.	1.2	6
27	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
28	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
29	Addressing algal blooms by bio-pumps to reduce greenhouse gas production and emissions with multi-path. <i>Chemosphere</i> , 2021, 270, 128666.	4.2	3
30	Engineering porous biochar for capacitive fluorine removal. <i>Separation and Purification Technology</i> , 2021, 257, 117932.	3.9	36
31	Enhanced synergistic performance of nano-FeO-CeO ₂ composites for the degradation of diclofenac in DBD plasma. <i>Chemical Engineering Journal</i> , 2021, 406, 126884.	6.6	39
32	Effects of hydraulic retention time on nitrous oxide production rates during nitrification in a laboratory-scale biological aerated filter reactor. <i>Environmental Technology and Innovation</i> , 2021, 21, 101342.	3.0	9
33	Boosting Lithium-Ion Transport Kinetics by Increasing the Local Lithium-Ion Concentration Gradient in Composite Anodes of Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14752-14758.	4.0	18
34	Exploring simultaneous nitrous oxide and methane sink in wetland sediments under anoxic conditions. <i>Water Research</i> , 2021, 194, 116958.	5.3	28
35	Translocation and biotoxicity of metal (oxide) nanoparticles in the wetland-plant system. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	12
36	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

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37	Co-digestive performance of food waste and hydrothermal pretreated corn cob. <i>Science of the Total Environment</i> , 2021, 768, 144448.	3.9	18
38	Potassium regulates cadmium toxicity in <i>Microcystis aeruginosa</i> . <i>Journal of Hazardous Materials</i> , 2021, 413, 125374.	6.5	15
39	Biopolymer-based flocculants: a review of recent technologies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46934-46963.	2.7	61
40	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
41	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
42	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
43	Deposition behavior of dissolved black carbon on representative surfaces: Role of molecular conformation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105921.	3.3	5
44	Machine learning in natural and engineered water systems. <i>Water Research</i> , 2021, 205, 117666.	5.3	98
45	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
46	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
47	Mechanism study of improving anaerobic co-digestion performance of waste activated sludge and food waste by Fe ₃ O ₄ . <i>Journal of Environmental Management</i> , 2021, 300, 113745.	3.8	18
48	Study on the Influence of Sponge Road Bioretention Facility on the Stability of Subgrade Slope. <i>Water (Switzerland)</i> , 2021, 13, 3466.	1.2	3
49	Enhanced nitrate adsorption by using cetyltrimethylammonium chloride pre-loaded activated carbon. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 3562-3572.	1.2	15
50	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
51	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
52	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
53	Autonomous Motion of Bubble-Powered Carbonaceous Nanoflask Motors. <i>Langmuir</i> , 2020, 36, 7039-7045.	1.6	33
54	Release of deposited MnO ₂ nanoparticles from aqueous surfaces. <i>Journal of Environmental Sciences</i> , 2020, 90, 234-243.	3.2	2

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55	Nanoplastics display strong stability in aqueous environments: Insights from aggregation behaviour and theoretical calculations. <i>Environmental Pollution</i> , 2020, 258, 113760.	3.7	113
56	Copper oxide nanoparticles inhibited denitrifying enzymes and electron transport system activities to influence soil denitrification and N ₂ O emission. <i>Chemosphere</i> , 2020, 245, 125394.	4.2	82
57	Potassium regulates the growth and toxin biosynthesis of <i>Microcystis aeruginosa</i> . <i>Environmental Pollution</i> , 2020, 267, 115576.	3.7	17
58	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
59	Nanoplastics Disturb Nitrogen Removal in Constructed Wetlands: Responses of Microbes and Macrophytes. <i>Environmental Science & Technology</i> , 2020, 54, 14007-14016.	4.6	128
60	Autotrophic nitrogen removal by partial nitrification-anammox process in two-stage sequencing batch constructed wetlands for low-strength ammonium wastewater. <i>Journal of Water Process Engineering</i> , 2020, 38, 101625.	2.6	12
61	A Novel Bearing Fault Diagnosis Method Based on GL-mRMR-SVM. <i>Processes</i> , 2020, 8, 784.	1.3	8
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	Regulation of nitrogen dynamics at the sediment-water interface during HAB degradation and subsequent reoccurrence. <i>RSC Advances</i> , 2020, 10, 13480-13488.	1.7	7
71	Enhanced mesophilic anaerobic co-digestion of waste sludge and food waste by using hematite (I±-Fe ₂ O ₃) supported bentonite as additive. <i>Bioresource Technology</i> , 2020, 313, 123603.	4.8	20
72	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

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73	Machine-knitted washable sensor array textile for precise epidermal physiological signal monitoring. <i>Science Advances</i> , 2020, 6, eaay2840.	4.7	309
74	Long-term effects of chlorothalonil on microbial denitrification and N ₂ O emission in a tea field soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 17370-17381.	2.7	14
75	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
76	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
77	Sign-to-speech translation using machine-learning-assisted stretchable sensor arrays. <i>Nature Electronics</i> , 2020, 3, 571-578.	13.1	513
78	A Novel Bearing Fault Diagnosis of Raw Signals Based on 1D Residual Convolution Neural Network. , 2020, , .		2
79	Transport Behaviors of Colloidal Manganese Dioxide in Aqueous Media: Effects of Ionic Specificity of Monovalent Cations. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16371-16380.	1.5	1
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	Thallium(I) Oxidation by Permanganate and Chlorine: Kinetics and Manganese Dioxide Catalysis. <i>Environmental Science & Technology</i> , 2020, 54, 7205-7216.	4.6	18
90	Interpreting the role of NO ₃ ^{âˆ’} , SO ₄ ^{2âˆ’} , and extracellular polymeric substances on aggregation kinetics of CeO ₂ nanoparticles: Measurement and modeling. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110456.	2.9	11

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91	What Roles Are Terrestrial Plants Playing in Global Microplastic Cycling?. <i>Environmental Science & Technology</i> , 2020, 54, 5325-5327.	4.6	64
92	Methane production in harmful algal blooms collapsed water: The contribution of non-toxic <i>Microcystis aeruginosa</i> outweighs that of the toxic variety. <i>Journal of Cleaner Production</i> , 2020, 276, 124280.	4.6	11
93	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
94	Leukocyte Membrane-Coated Liquid Metal Nanoswimmers for Actively Targeted Delivery and Synergistic Chemophotothermal Therapy. <i>Research</i> , 2020, 2020, 3676954.	2.8	73
95	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
96	Are Micro- or Nanoplastics Leached from Drinking Water Distribution Systems?. <i>Environmental Science & Technology</i> , 2019, 53, 9339-9340.	4.6	27
97	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
98	Ion specific effects of monovalent cations on deposition kinetics of engineered nanoparticles onto the silica surface in aqueous media. <i>Environmental Science: Nano</i> , 2019, 6, 2712-2723.	2.2	9
99	Janus-micromotor-based on-off luminescence sensor for active TNT detection. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1324-1331.	1.5	28
100	Surface Wettability-Directed Propulsion of Glucose-Powered Nanoflask Motors. <i>ACS Nano</i> , 2019, 13, 12758-12766.	7.3	63
101	Long-term pollutant removal performance and mitigation of rainwater quality deterioration with ceramsite and <i>Cyperus alternifolius</i> in mountainous cities of China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32993-33003.	2.7	4
102	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
103	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
104	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
105	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
106	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
107	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
108	The role of turbulence in internal phosphorus release: Turbulence intensity matters. <i>Environmental Pollution</i> , 2019, 252, 84-93.	3.7	21

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109	Digestive performance of sludge with different crop straws in mesophilic anaerobic digestion. <i>Bioresource Technology</i> , 2019, 289, 121595.	4.8	45
110	Novel lanthanum doped biochars derived from lignocellulosic wastes for efficient phosphate removal and regeneration. <i>Bioresource Technology</i> , 2019, 289, 121600.	4.8	131
111	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
112	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
113	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
114	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
115	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
116	Biochar remediates denitrification process and N ₂ O emission in pesticide chlorothalonil-polluted soil: Role of electron transport chain. <i>Chemical Engineering Journal</i> , 2019, 370, 587-594.	6.6	61
117	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
118	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
119	Ultrasensitive Fingertip-Contacted Pressure Sensors To Enable Continuous Measurement of Epidermal Pulse Waves on Ubiquitous Object Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46399-46407.	4.0	25
120	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
121	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
122	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
123	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
124	Dissolved oxygen stratification changes nitrogen speciation and transformation in a stratified lake. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2898-2907.	2.7	12
125	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
126	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

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127	Impacts of chlorothalonil on denitrification and N ₂ O emission in riparian sediments: Microbial metabolism mechanism. <i>Water Research</i> , 2019, 148, 188-197.	5.3	143
128	Pollutant removal performance of an integrated system that combines a baffled vertical-flow wetland and a scenic water body. <i>Environmental Science and Pollution Research</i> , 2019, 26, 269-281.	2.7	6
129	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
130	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
131	Deposition Kinetics of Colloidal Manganese Dioxide onto Representative Surfaces in Aquatic Environments: The Role of Humic Acid and Biomacromolecules. <i>Environmental Science & Technology</i> , 2019, 53, 146-156.	4.6	38
132	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
133	Intensified nitrogen and phosphorus removal by embedding electrolysis in an anaerobic-anoxic-oxic reactor treating low carbon/nitrogen wastewater. <i>Bioresource Technology</i> , 2018, 256, 562-565.	4.8	32
134	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
135	Modeling of methane formation in gravity sewer system: the impact of microorganism and hydraulic condition. <i>AMB Express</i> , 2018, 8, 34.	1.4	5
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	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
138	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
139	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
140	Enhancement of Organic Matter Removal in an Integrated Biofilm-Membrane Bioreactor Treating High-Salinity Wastewater. <i>Archaea</i> , 2018, 2018, 1-8.	2.3	11
141	Bubble-Pair Propelled Colloidal Kayaker. <i>Journal of the American Chemical Society</i> , 2018, 140, 11902-11905.	6.6	47
142	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
143	Phytoplankton response to polystyrene microplastics: Perspective from an entire growth period. <i>Chemosphere</i> , 2018, 208, 59-68.	4.2	434
144	Flexible Timbo-Like 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

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