Jiuhui Qu

List of Articles by Year in descending order

619 PR articles	43,680 PR citations	1004 108 PR h-index	1961 203 g-index
624 documents	45957 doc citations	1366 111 h-index	41517 citing authors

#	Article	IF	Citations
1	Facile fabrication of electrically responsive polypyrrole membrane to synergistically improve anti-fouling and separation performance. Journal of Membrane Science, 2025, 717, 123598.	8.4	4
2	Electronic regulation of Ru electrocatalyst for enhanced atomic hydrogen generation and selective chlorophenol hydrogenation. Applied Catalysis B: Environmental, 2025, 365, 124958.	20.5	4
3	Toxicity mechanism of microplastics on the growth traits and metabolic pathways of Vallisneria natans under different light environments. Ecotoxicology and Environmental Safety, 2025, 291, 117772.	6.2	2
4	Bipartite trophic levels cannot resist the interference of microplastics: A case study of submerged macrophytes and snail. Journal of Hazardous Materials, 2025, 491, 137898.	12.5	3
5	Nutrient Condition-Induced Mechanism Shift of Microbial Manganese Oxidation: Significance of Catalase. ACS ES&T Water, 2025, 5, 1907-1915.	4.3	4
6	Climate warming and nutrient enrichment destabilize plankton network stability over the past century. Communications Earth & Environment, 2025, 6, .	6.9	2
7	Prolonged operating cycle and enhanced removal of emerging contaminants in slow sand filters: Significance of algae-bacteria interaction. Journal of Hazardous Materials, 2025, 496, 139470.	12.5	1
8	Impact of protist predation on bacterial community traits in river sediments. Water Research, 2025, 287, 124489.	12.5	4
9	Spatial and temporal distribution of the microbial community structure in the receiving rivers of the middle and lower reaches of the Yangtze River under the influence of different wastewater types. Journal of Hazardous Materials, 2024, 462, 132835.	12.5	32
10	The mechanism of a submerged aquatic plant to various size of micro-nano plastics stress in ecological constructed wetland. Chemical Engineering Journal, 2024, 480, 147756.	12.0	5
11	Can â€œRisk-Sharingâ€•Mechanisms Help Clonal Aquatic Plants Mitigate the Stress of Nanoplastics?. Environmental Science & Technology, 2024, 58, 2984-2997.	11.1	16
12	Performance and oxidation mechanism of VUV photoâ€“Fenton in simultaneous removal of Ni-EDTA and hypophosphite: decomplexation, low-valent phosphorous oxidation and DFT calculation. Chemical Engineering Journal, 2024, 485, 150148.	12.0	17
13	Stress response of Microcystis aeruginosa to chlorine during transportation: The significance of surface-adsorbed organic matter. Water Research, 2024, 255, 121468.	12.5	23
14	Disinfectant-induced ammonia oxidation disruption in microbial N-cycling process in aquatic ecosystem after the COVID-19 outbreak. Water Research, 2024, 258, 121761.	12.5	1
15	Response of Ionic Hydration Structure and Selective Transport Behavior to Aqueous Solution Chemistry during Nanofiltration. Environmental Science & Technology, 2024, 58, 11791-11801.	11.1	16
16	Low-maintenance anti-scaling of nanofiltration pretreated by bipolar-induced electrolysis for decentralized water supply. Journal of Membrane Science, 2024, 706, 122957.	8.4	0
17	Habitat Disturbance Drives the Feedback of Aquatic Plants on the Microbial Community after Lake Degradation. ACS ES&T Water, 2024, 4, 3509-3520.	4.3	3
18	Assessing global drinking water potential from electricity-free solar water evaporation device. Nature Communications, 2024, 15, .	13.7	34

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19	Ammonia recovery from nitrate-rich wastewater using a membrane-free electrochemical system. Nature Sustainability, 2024, 7, 1251-1263.	21.2	98
20	Recovering nutrients and unblocking the cake layer of an electrochemical anaerobic membrane bioreactor. Nature Communications, 2024, 15, .	13.7	26
21	Removal of pharmaceutical in a biogenic/chemical manganese oxide system driven by manganese-oxidizing bacteria with humic acids as sole carbon source. Journal of Environmental Sciences, 2023, 126, 734-741.	6.9	27
22	Maintaining Antibacterial Activity against Biofouling Using a Quaternary Ammonium Membrane Coupling with Electrorepulsion. Environmental Science & Technology, 2023, 57, 1520-1528.	11.1	23
23	Hydrogen-Induced Defective Crystalline Carbon Nitride with Enhanced Bidirectional Charge Migration for Persulfate Photoactivation. ACS ES&T Engineering, 2023, 3, 580-589.	6.8	34
24	Electron Transfer of Activated Carbon to Anode Excites and Regulates Desalination in Flow Electrode Capacitive Deionization. Environmental Science & Technology, 2023, 57, 2566-2574.	11.1	46
25	Mitigating microbiological risks of potential pathogens carrying antibiotic resistance genes and virulence factors in receiving rivers: Benefits of wastewater treatment plant upgrade. Frontiers of Environmental Science and Engineering, 2023, 17, .	4.8	14
26	Cake layer 3D structure regulation to optimize water channels during Al-based coagulation-ultrafiltration process. Water Research, 2023, 236, 119941.	12.5	23
27	EcoImprove: Revealing aquatic ecological effects of micropollutant discharge from municipal wastewater treatment plants. Fundamental Research, 2023, 5, 1107-1110.	3.8	4
28	Microbe-mediated simultaneous nitrogen reduction and sulfamethoxazole/N-acetylsulfamethoxazole removal in lab-scale constructed wetlands. Water Research, 2023, 242, 120233.	12.5	25
29	Steric Hindrance-Induced Dehydration Promotes Cation Selectivity in Trans-Subnanochannel Transport. ACS Nano, 2023, 17, 12629-12640.	15.3	84
30	Dehydration-enhanced ion-pore interactions dominate anion transport and selectivity in nanochannels. Science Advances, 2023, 9, .	10.9	98
31	Enhanced Hydrosaturation Selectivity and Electron Transfer for Electrocatalytic Chlorophenols Hydrogenation on Ru Sites. Environmental Science & Technology, 2023, 57, 16695-16706.	11.1	45
32	Unveiling the spatially confined oxidation processes in reactive electrochemical membranes. Nature Communications, 2023, 14, .	13.7	91
33	Pumping and sliding of droplets steered by a hydrogel pattern for atmospheric water harvesting. National Science Review, 2023, 10, .	9.8	10
34	Ecological Barrier Deterioration Driven by Human Activities Poses Fatal Threats to Public Health due to Emerging Infectious Diseases. Engineering, 2022, 10, 155-166.	7.8	32
35	The Phragmites Root-Inhabiting Microbiome: A Critical Review on Its Composition and Environmental Application. Engineering, 2022, 9, 42-50.	7.8	40
36	Impact of microplastics on the foraging, photosynthesis and digestive systems of submerged carnivorous macrophytes under low and high nutrient concentrations. Environmental Pollution, 2022, 292, 118220.	7.7	64

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37	Environmental heterogeneity determines the response patterns of microbially mediated N-reduction processes to sulfamethoxazole in river sediments. Journal of Hazardous Materials, 2022, 421, 126730.	12.5	32
38	Sustainable nitrogen fixation over Ru single atoms decorated Cu2O using electrons produced from photoelectrocatalytic organics degradation. Chemical Engineering Journal, 2022, 428, 130373.	12.0	20
39	Mixing regime shapes the community assembly process, microbial interaction and proliferation of cyanobacterial species Planktothrix in a stratified lake. Journal of Environmental Sciences, 2022, 115, 103-113.	6.9	8
40	Profiling microbial removal of micropollutants in sand filters: Biotransformation pathways and associated bacteria. Journal of Hazardous Materials, 2022, 423, 127167.	12.5	21
41	Roadmap for Managing SARS-CoV-2 and Other Viruses in the Water Environment for Public Health. Engineering, 2022, 12, 139-144.	7.8	7
42	Can radicals-orientated chemical oxidation improve the reduction of antibiotic resistance genes (ARGs) by mesophilic anaerobic digestion of sludge?. Journal of Hazardous Materials, 2022, 426, 128001.	12.5	23
43	Siderophores provoke extracellular superoxide production by Arthrobacter strains during carbon sourcesâ€level fluctuation. Environmental Microbiology, 2022, 24, 894-904.	3.7	8
44	Red mud supported on reduced graphene oxide as photo-Fenton catalysts for organic contaminant degradation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 640, 128461.	5.2	24
45	Characterization on the formation mechanism of Fe0/Fe3C/C nanostructure and its effect on PMS activation performance towards BPA degradation. Chemical Engineering Journal, 2022, 435, 134709.	12.0	9
46	Persistence of SARS-CoV-2 RNA in wastewater after the end of the COVID-19 epidemics. Journal of Hazardous Materials, 2022, 429, 128358.	12.5	66
47	Insight into the Key Role of Cr Intermediates in the Efficient and Simultaneous Degradation of Organic Contaminants and Cr(VI) Reduction via g-C3N4-Assisted Photocatalysis. Environmental Science & Technology, 2022, 56, 3552-3563.	11.1	150
48	Simultaneous Phenol Removal and Resource Recovery from Phenolic Wastewater by Electrocatalytic Hydrogenation. Environmental Science & Technology, 2022, 56, 4356-4366.	11.1	117
49	Simultaneous removal of aromatic pollutants and nitrate at high concentrations by hypersaline denitrification:Long-term continuous experiments investigation. Water Research, 2022, 216, 118292.	12.5	41
50	Oxygenated polycyclic aromatic hydrocarbons in the surface water environment: Occurrence, ecotoxicity, and sources. Environment International, 2022, 163, 107232.	10.2	56
51	Polyethylene microplastics interfere with the nutrient cycle in water-plant-sediment systems. Water Research, 2022, 214, 118191.	12.5	117
52	The biogeochemical responses of hyporheic groundwater to the long-run managed aquifer recharge: Linking microbial communities to hydrochemistry and micropollutants. Journal of Hazardous Materials, 2022, 431, 128587.	12.5	26
53	A homogeneous reagent for Ni2+ capture from wastewater: The phase transition mechanism and impact evaluation for aerobic sludge. Chemical Engineering Journal, 2022, 440, 135809.	12.0	4
54	Do NH4+-N and AOB affect atenolol removal during simulated riverbank filtration?. Chemosphere, 2022, 301, 134653.	8.2	7

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55	Synergy of cyano groups and cobalt single atoms in graphitic carbon nitride for enhanced bio-denitrification. Water Research, 2022, 218, 118465.	12.5	41
56	Spatiotemporal variation and risk assessment of phthalate acid esters (PAEs) in surface water of the Yangtze River Basin, China. Science of the Total Environment, 2022, 836, 155677.	8.4	73
57	Long-term direct ultrafiltration without chemical cleaning for purification of micro-polluted water in rural regions: Feasibility and application prospects. Chemical Engineering Journal, 2022, 443, 136531.	12.0	10
58	Synchronous Moderate Oxidation and Adsorption on the Surface of Î³-MnO2 for Efficient Iodide Removal from Water. Environmental Science & Technology, 2022, 56, 9417-9427.	11.1	38
59	Visualization of Electrochemically Accessible Sites in Flow-through Mode for Maximizing Available Active Area toward Superior Electrocatalytic Ammonia Oxidation. Environmental Science & Technology, 2022, 56, 9722-9731.	11.1	47
60	Disruption and recovery of river planktonic community during and after the COVID-19 outbreak in Wuhan, China. ISME Communications, 2022, 2, .	5.4	16
61	A hybrid fuel cell for water purification and simultaneously electricity generation. Frontiers of Environmental Science and Engineering, 2022, 17, .	4.8	6
62	Impacts of backwashing on micropollutant removal and associated microbial assembly processes in sand filters. Frontiers of Environmental Science and Engineering, 2022, 17, .	4.8	5
63	Tip-Intensified Interfacial Microenvironment Reconstruction Promotes an Electrocatalytic Chlorine Evolution Reaction. ACS Catalysis, 2022, 12, 14376-14386.	12.4	32
64	Negative impacts of nanoplastics on the purification function of submerged plants in constructed wetlands: Responses of oxidative stress and metabolic processes. Water Research, 2022, 227, 119339.	12.5	67
65	Interface-modulated nanojunction and microfluidic platform for photoelectrocatalytic chemicals upgrading. Applied Catalysis B: Environmental, 2021, 282, 119541.	20.5	48
66	Ni(II)/Ni(III) redox couple endows Ni foam-supported Ni2P with excellent capability for direct ammonia oxidation. Chemical Engineering Journal, 2021, 404, 126795.	12.0	138
67	Growth inhibition of Microcystis aeruginosa by sand-filter prevalent manganese-oxidizing bacterium. Separation and Purification Technology, 2021, 256, 117808.	8.8	16
68	Selection of water source for water transfer based on algal growth potential to prevent algal blooms. Journal of Environmental Sciences, 2021, 103, 246-254.	6.9	15
69	Hotâ€Electronâ€Induced Photothermal Catalysis for Energyâ€Dependent Molecular Oxygen Activation. Angewandte Chemie, 2021, 133, 4922-4928.	1.4	12
70	Hotâ€Electronâ€Induced Photothermal Catalysis for Energyâ€Dependent Molecular Oxygen Activation. Angewandte Chemie - International Edition, 2021, 60, 4872-4878.	14.4	63
71	Synergistic effect of dual sites on bimetal-organic frameworks for highly efficient peroxide activation. Journal of Hazardous Materials, 2021, 406, 124692.	12.5	110
72	Epilithic biofilm as a reservoir for functional virulence factors in wastewater-dominant rivers after WWTP upgrade. Journal of Environmental Sciences, 2021, 101, 27-35.	6.9	27

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73	Parent and Substitute Polycyclic Aromatic Hydrocarbon Reduction in Urban Riversâ€"Benefits of the Energy Transition Policy from 2009 to 2017 in Beijing, China. ACS ES&T Water, 2021, 1, 815-824.	4.3	4
74	Revealing Surface Charge Population on Flake-Like BiVO4 Photocatalysts by Single Particle Imaging Spectroscopies. ACS Applied Energy Materials, 2021, 4, 2543-2551.	5.4	20
75	Synergetic Hydroxyl Radical Oxidation with Atomic Hydrogen Reduction Lowers the Organochlorine Conversion Barrier and Potentiates Effective Contaminant Mineralization. Environmental Science & Technology, 2021, 55, 3296-3304.	11.1	68
76	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cellâ€Membraneâ€Destructive Stresses and Enables Rapid Sterilization. Angewandte Chemie - International Edition, 2021, 60, 7744-7751.	14.4	49
77	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cellâ€Membraneâ€Destructive Stresses and Enables Rapid Sterilization. Angewandte Chemie, 2021, 133, 7823-7830.	1.4	16
78	Three-Dimensional Analysis of the Natural-Organic-Matter Distribution in the Cake Layer to Precisely Reveal Ultrafiltration Fouling Mechanisms. Environmental Science & Technology, 2021, 55, 5442-5452.	11.1	76
79	Regulating Oriented Adsorption on Targeted Nickel Sites for Antibiotic Oxidation with Simultaneous Hydrogen Energy Recovery by a Direct Electrochemical Process. ACS Applied Materials & Interfaces, 2021, 13, 18673-18682.	8.0	14
80	â€˜Blue Routeâ€™ for combating climate change. National Science Review, 2021, 8, .	9.8	5
81	Electricity generation from salinity gradient to remove chromium using reverse electrodialysis coupled with electrocoagulation. Electrochimica Acta, 2021, 379, 138153.	5.3	29
82	Spatial variation of dissolved organic nitrogen in Wuhan surface waters: Correlation with the occurrence of disinfection byproducts during the COVID-19 pandemic. Water Research, 2021, 198, 117138.	12.5	43
83	Emerging graphitic carbon nitride-based membranes for water purification. Water Research, 2021, 200, 117207.	12.5	85
84	Ultra-fast and onsite interrogation of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in waters via surface enhanced Raman scattering (SERS). Water Research, 2021, 200, 117243.	12.5	104
85	Removal of p-arsanilic acid and phenylarsonic acid from water by Fenton coagulation process: influence of substituted amino group. Environmental Science and Pollution Research, 2021, 28, 63319-63329.	4.3	9
86	Machine learning approach identifies water sample source based on microbial abundance. Water Research, 2021, 199, 117185.	12.5	37
87	In Situ Characterization of Dehydration during Ion Transport in Polymeric Nanochannels. Journal of the American Chemical Society, 2021, 143, 14242-14252.	15.0	192
88	Recovery trajectories and community resilience of biofilms in receiving rivers after wastewater treatment plant upgrade. Environmental Research, 2021, 199, 111349.	7.8	17
89	Transformation of typical components in anaerobically digested sludge during its conditioning process by KMnO4. Resources, Conservation and Recycling, 2021, 171, 105657.	10.7	16
90	Optimization of a Hierarchical Porous-Structured Reactor to Mitigate Mass Transport Limitations for Efficient Electrocatalytic Ammonia Oxidation through a Three-Electron-Transfer Pathway. Environmental Science & Technology, 2021, 55, 12596-12606.	11.1	60

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91	Manganese oxides in Phragmites rhizosphere accelerates ammonia oxidation in constructed wetlands. Water Research, 2021, 205, 117688.	12.5	69
92	Microplastic residues in wetland ecosystems: Do they truly threaten the plant-microbe-soil system?. Environment International, 2021, 156, 106708.	10.2	218
93	SARS-CoV-2 spillover into hospital outdoor environments. Journal of Hazardous Materials Letters, 2021, 2, 100027.	5.2	42
94	A dual-biomimetic photocatalytic fuel cell for efficient electricity generation from degradation of refractory organic pollutants. Applied Catalysis B: Environmental, 2021, 298, 120501.	20.5	44
95	Review on heterogeneous oxidation and adsorption for arsenic removal from drinking water. Journal of Environmental Sciences, 2021, 110, 178-188.	6.9	71
96	Insight into electroreductive activation process of peroxydisulfate for eliminating organic pollution: Essential role of atomic hydrogen. Chemical Engineering Journal, 2021, 426, 128355.	12.0	30
97	Pre-oxidation enhanced cyanobacteria removal in drinking water treatment: A review. Journal of Environmental Sciences, 2021, 110, 160-168.	6.9	59
98	In Situ Creation of Oxygen Vacancies in Porous Bimetallic La/Zr Sorbent for Aqueous Phosphate: Hierarchical Pores Control Mass Transport and Vacancy Sites Determine Interaction. Environmental Science & Technology, 2020, 54, 437-445.	11.1	56
99	Identification and quantification of bacterial genomes carrying antibiotic resistance genes and virulence factor genes for aquatic microbiological risk assessment. Water Research, 2020, 168, 115160.	12.5	184
100	Regioselective oxidation of tetracycline by permanganate through alternating susceptible moiety and increasing electron donating ability. Journal of Environmental Sciences, 2020, 87, 281-288.	6.9	22
101	Polyoxometalates/TiO2 photocatalysts with engineered facets for enhanced degradation of bisphenol A through persulfate activation. Applied Catalysis B: Environmental, 2020, 268, 118394.	20.5	106
102	Assessing food web health with network topology and stability analysis in aquatic ecosystem. Ecological Indicators, 2020, 109, 105820.	7.2	4
103	Enhanced phosphate removal using zirconium hydroxide encapsulated in quaternized cellulose. Journal of Environmental Sciences, 2020, 89, 102-112.	6.9	50
104	Efficient Microcystis aeruginosa removal by moderate photocatalysis-enhanced coagulation with magnetic Zn-doped Fe3O4 particles. Water Research, 2020, 171, 115448.	12.5	132
105	Recyclable Printed Circuit Boards and Alkali Reduction Wastewater: Approach to a Sustainable Copper-Based Metalâ€“Organic Framework. ACS Sustainable Chemistry and Engineering, 2020, 8, 1371-1379.	6.9	37
106	Low electronegativity Mn bulk doping intensifies charge storage of Ni2P redox shuttle for membrane-free water electrolysis. Journal of Materials Chemistry A, 2020, 8, 4073-4082.	9.3	35
107	Influence of sedimentation with pre-coagulation on ultrafiltration membrane fouling performance. Science of the Total Environment, 2020, 708, 134671.	8.4	17
108	Influence of floc dynamic protection layer on alleviating ultrafiltration membrane fouling induced by humic substances. Journal of Environmental Sciences, 2020, 90, 10-19.	6.9	10

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109	Enhanced alleviation of ultrafiltration membrane fouling by regulating cake layer thickness with pre-coagulation during drinking water treatment. Journal of Membrane Science, 2020, 596, 117732.	8.4	40
110	Using activated peroxymonosulfate by electrochemically generated FeII for conditioning and dewatering of anaerobically digested sludge. Chemical Engineering Journal, 2020, 391, 123603.	12.0	38
111	New insights into the surface-dependent activity of graphitic felts for the electro-generation of H2O2. Applied Surface Science, 2020, 509, 144875.	6.7	33
112	Denitrification enhancement by electro-sorption/reduction using a layered metal oxide electrode loaded with Pd-Cu nanoparticles. Electrochemistry Communications, 2020, 110, 106607.	3.9	17
113	Isotopic and chemical evidence for nitrate sources and transformation processes in a plateau lake basin in Southwest China. Science of the Total Environment, 2020, 711, 134856.	8.4	47
114	Visualizing the Interfacial Charge Transfer between Photoactive Microcystis aeruginosa and Hydrogenated TiO2. Environmental Science & Technology, 2020, 54, 10323-10332.	11.1	37
115	Effects of a spatially heterogeneous nutrient distribution on the growth of clonal wetland plants. BMC Ecology, 2020, 20, .	3.2	19
116	Survey-based approach to establish macrobenthic biological network in lakes. Resources, Conservation and Recycling, 2020, 162, 105061.	10.7	3
117	Arrayed Cobalt Phosphide Electrocatalyst Achieves Low Energy Consumption and Persistent H2 Liberation from Anodic Chemical Conversion. Nano-Micro Letters, 2020, 12, .	30.2	45
118	Natural Hostâ€“Environmental Mediaâ€“Human: A New Potential Pathway of COVID-19 Outbreak. Engineering, 2020, 6, 1085-1098.	7.8	21
119	pH-Independent Production of Hydroxyl Radical from Atomic H*-Mediated Electrocatalytic H2O2 Reduction: A Green Fenton Process without Byproducts. Environmental Science & Technology, 2020, 54, 14725-14731.	11.1	198
120	Carbon harvesting from organic liquid wastes for heterotrophic denitrification: Feasibility evaluation and cost and emergy optimization. Resources, Conservation and Recycling, 2020, 160, 104782.	10.7	9
121	A salt-rejecting anisotropic structure for efficient solar desalination via heatâ€“mass flux decoupling. Journal of Materials Chemistry A, 2020, 8, 12089-12096.	9.3	42
122	Electrochemical-Osmotic Process for Simultaneous Recovery of Electric Energy, Water, and Metals from Wastewater. Environmental Science & Technology, 2020, 54, 8430-8442.	11.1	49
123	One-step exfoliation of polymeric C3N4 by atmospheric oxygen doping for photocatalytic persulfate activation. Journal of Colloid and Interface Science, 2020, 579, 455-462.	9.9	39
124	Sedimentary ancient DNA metabarcoding delineates the contrastingly temporal change of lake cyanobacterial communities. Water Research, 2020, 183, 116077.	12.5	37
125	Enhancement of anti-fouling and contaminant removal in an electro-membrane bioreactor: Significance of electrocoagulation and electric field. Separation and Purification Technology, 2020, 248, 117077.	8.8	56
126	Ultrathin water-stable metal-organic framework membranes for ion separation. Science Advances, 2020, 6, .	10.9	278

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127	Dual channel construction of WO3 photocatalysts by solution plasma for the persulfate-enhanced photodegradation of bisphenol A. Applied Catalysis B: Environmental, 2020, 277, 119221.	20.5	67
128	Ecotoxicity of polystyrene microplastics to submerged carnivorous Utricularia vulgaris plants in freshwater ecosystems. Environmental Pollution, 2020, 265, 114830.	7.7	121
129	Hierarchically porous UiO-66 with tunable mesopores and oxygen vacancies for enhanced arsenic removal. Journal of Materials Chemistry A, 2020, 8, 7870-7879.	9.3	234
130	Graphitic N in nitrogen-Doped carbon promotes hydrogen peroxide synthesis from electrocatalytic oxygen reduction. Carbon, 2020, 163, 154-161.	10.7	222
131	Metagenomics Unravels Differential Microbiome Composition and Metabolic Potential in Rapid Sand Filters Purifying Surface Water Versus Groundwater. Environmental Science & Technology, 2020, 54, 5197-5206.	11.1	82
132	Potassium-Ion Recovery with a Polypyrrole Membrane Electrode in Novel Redox Transistor Electrodialysis. Environmental Science & Technology, 2020, 54, 4592-4600.	11.1	35
133	Potential spreading risks and disinfection challenges of medical wastewater by the presence of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) viral RNA in septic tanks of Fangcang Hospital. Science of the Total Environment, 2020, 741, 140445.	8.4	266
134	Influence of floc charge and related distribution mechanisms of humic substances on ultrafiltration membrane behavior. Journal of Membrane Science, 2020, 609, 118260.	8.4	15
135	Effects of 1-hydroxyethane-(1,1-bisphosphonic acid) on heterotrophic denitrification performance: Impact of denitrifying microbial communities variation. Chemical Engineering Journal, 2020, 402, 126210.	12.0	15
136	Defect-enhanced photocatalytic removal of dimethylarsinic acid over mixed-phase mesoporous TiO2. Journal of Environmental Sciences, 2020, 91, 35-42.	6.9	19
137	Zinc Substitutionâ€Induced Subtle Lattice Distortion Mediates the Active Center of Cobalt Diselenide Electrocatalysts for Enhanced Oxygen Evolution. Small, 2020, 16, .	11.5	46
138	Manipulation of Neighboring Palladium and Mercury Atoms for Efficient *OH Transformation in Anodic Alcohol Oxidation and Cathodic Oxygen Reduction Reactions. ACS Applied Materials & Interfaces, 2020, 12, 12677-12685.	8.0	15
139	A layered aluminum-based metalâ€“organic framework as a superior trap for nitrobenzene capture via an intercalation role. Nanoscale, 2020, 12, 6012-6019.	5.0	11
140	Anaerobically-digested sludge disintegration by transition metal ions-activated peroxymonosulfate (PMS): Comparison between Co2+, Cu2+, Fe2+ and Mn2+. Science of the Total Environment, 2020, 713, 136530.	8.4	137
141	Carbon nanodot-modified FeOCl for photo-assisted Fenton reaction featuring synergistic in-situ H2O2 production and activation. Applied Catalysis B: Environmental, 2020, 266, 118665.	20.5	161
142	Wastewater treatment plant upgrade induces the receiving river retaining bioavailable nitrogen sources. Environmental Pollution, 2020, 263, 114478.	7.7	41
143	Improving ion rejection of graphene oxide conductive membranes by applying electric field. Journal of Membrane Science, 2020, 604, 118077.	8.4	27
144	Reversible superwettability switching of a conductive polymer membrane for oil-water separation and self-cleaning. Journal of Membrane Science, 2020, 605, 118088.	8.4	60

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145	Mechanism of species dynamics and interactions under impacts of artificial barriers in coastal areas. Ocean and Coastal Management, 2020, 190, 105166.	5.1	3
146	Microbial community structures and functions of hypersaline heterotrophic denitrifying process: Lab-scale and pilot-scale studies. Bioresource Technology, 2020, 310, 123244.	9.7	44
147	Development of Amyloid-Fibrils-like Functional Materials from Both Anaerobically Digested Sludge and Waste Activated Sludge for Heavy Metal Adsorption. ACS Sustainable Chemistry and Engineering, 2020, 8, 7795-7805.	6.9	22
148	Fouling mitigation of a graphene hydrogel membrane electrode by electrical repulsion and in situ self-cleaning in an electro-membrane reactor. Chemical Engineering Journal, 2020, 393, 124817.	12.0	46
149	Effects of resource heterogeneity and environmental disturbance on the growth performance and interspecific competition of wetland clonal plants. Global Ecology and Conservation, 2020, 22, e00914.	1.7	16
150	A promising treatment method for Cr(VI) detoxification and recovery by coupling Fe0/Fe3C/C fine powders and circulating fluidized bed. Chemical Engineering Journal, 2020, 398, 125565.	12.0	15
151	Preferential binding between intracellular organic matters and Al13 polymer to enhance coagulation performance. Journal of Environmental Sciences, 2019, 76, 1-11.	6.9	24
152	Micro-electrode system designed to determine H+ concentration distribution at particle-water interface. Science of the Total Environment, 2019, 646, 544-550.	8.4	4
153	Interfacial Engineering of SeO Ligands on Tellurium Featuring Synergistic Functionalities of Bond Activation and Chemical States Buffering toward Electrocatalytic Conversion of Nitrogen to Ammonia. Advanced Science, 2019, 6, .	12.6	40
154	Effect of pre-coagulation using different aluminium species on crystallization of cake layer and membrane fouling. Npj Clean Water, 2019, 2, .	10.3	11
155	Electrically Poreâ€Sizeâ€Tunable Polypyrrole Membrane for Antifouling and Selective Separation. Advanced Functional Materials, 2019, 29, .	17.0	69
156	Combining KMnO4 pre-oxidation and bioaugmented sand filtration to simultaneously treat cyanobacterial bloom lake water and released Mn(II). Separation and Purification Technology, 2019, 228, 115765.	8.8	14
157	Defect Modulation of Z-Scheme TiO₂/Cu₂O Photocatalysts for Durable Water Splitting. ACS Catalysis, 2019, 9, 8346-8354.	12.4	194
158	Triggering of Low-Valence Molybdenum in Multiphasic MoS₂ for Effective Reactive Oxygen Species Output in Catalytic Fenton-like Reactions. ACS Applied Materials & Interfaces, 2019, 11, 26781-26788.	8.0	104
159	Spatial distribution of flow currents and habitats in artificial buffer zones for ecosystem-based coastal engineering. Global Ecology and Conservation, 2019, 20, e00764.	1.7	2
160	Synergetic Photocatalytic Pure Water Splitting and Self-Supplied Oxygen Activation by 2-D WO₃/TiO₂ Heterostructures. ACS Sustainable Chemistry and Engineering, 2019, 7, 19902-19909.	6.9	21
161	Enhanced Stabilization and Effective Utilization of Atomic Hydrogen on Pdâ€“In Nanoparticles in a Flow-through Electrode. Environmental Science & Technology, 2019, 53, 11383-11390.	11.1	90
162	Modulation of cation trans-membrane transport in GO-MoS2 membranes through simultaneous control of interlayer spacing and ion-nanochannel interactions. Chemosphere, 2019, 222, 156-164.	8.2	28

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