

# Jinren Ni

## List of Publications by Year in descending order

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184  
papers

12,528  
citations

19608

61  
h-index

29081

104  
g-index

186  
all docs

186  
docs citations

186  
times ranked

11623  
citing authors

#	ARTICLE	IF	CITATIONS
1	River dam impacts on biogeochemical cycling. <i>Nature Reviews Earth &amp; Environment</i> , 2020, 1, 103-116.	12.2	372
2	Global rainfall erosivity assessment based on high-temporal resolution rainfall records. <i>Scientific Reports</i> , 2017, 7, 4175.	1.6	348
3	A duodecennial national synthesis of antibiotics in China's major rivers and seas (2005–2016). <i>Science of the Total Environment</i> , 2018, 615, 906-917.	3.9	341
4	Adsorption behavior of methylene blue onto titanate nanotubes. <i>Chemical Engineering Journal</i> , 2010, 156, 313-320.	6.6	326
5	A preliminary estimate of human and natural contributions to the changes in water discharge and sediment load in the Yellow River. <i>Global and Planetary Change</i> , 2011, 76, 196-205.	1.6	284
6	Simultaneous reduction of vanadium (V) and chromium (VI) with enhanced energy recovery based on microbial fuel cell technology. <i>Journal of Power Sources</i> , 2012, 204, 34-39.	4.0	276
7	Influence of pH, ionic strength and humic acid on competitive adsorption of Pb(II), Cd(II) and Cr(III) onto titanate nanotubes. <i>Chemical Engineering Journal</i> , 2013, 215-216, 366-374.	6.6	273
8	Advanced treatment of biologically pretreated coking wastewater by electrochemical oxidation using boron-doped diamond electrodes. <i>Water Research</i> , 2009, 43, 4347-4355.	5.3	262
9	Synergy of photocatalysis and adsorption for simultaneous removal of Cr(VI) and Cr(III) with TiO <sub>2</sub> and titanate nanotubes. <i>Water Research</i> , 2014, 53, 12-25.	5.3	252
10	Heterotrophic nitrification and aerobic denitrification at low temperature by a newly isolated bacterium, <i>Acinetobacter</i> sp. HA2. <i>Bioresource Technology</i> , 2013, 139, 80-86.	4.8	249
11	Molecular Insights into the Transformation of Dissolved Organic Matter in Landfill Leachate Concentrate during Biodegradation and Coagulation Processes Using ESI FT-ICR MS. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8110-8118.	4.6	242
12	A novel UASB–MFC–BAF integrated system for high strength molasses wastewater treatment and bioelectricity generation. <i>Bioresource Technology</i> , 2009, 100, 5687-5693.	4.8	237
13	Adsorption of Pb <sup>2+</sup> , Cd <sup>2+</sup> , Cu <sup>2+</sup> and Cr <sup>3+</sup> onto titanate nanotubes: Competition and effect of inorganic ions. <i>Science of the Total Environment</i> , 2013, 456-457, 171-180.	3.9	232
14	Essential Explanation of the Strong Mineralization Performance of Boron-Doped Diamond Electrodes. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4914-4920.	4.6	223
15	Oil field wastewater treatment in Biological Aerated Filter by immobilized microorganisms. <i>Process Biochemistry</i> , 2006, 41, 1475-1483.	1.8	220
16	Integrated biogeography of planktonic and sedimentary bacterial communities in the Yangtze River. <i>Microbiome</i> , 2018, 6, 16.	4.9	208
17	Adsorption of Pb(II) and Cd(II) from aqueous solutions using titanate nanotubes prepared via hydrothermal method. <i>Journal of Hazardous Materials</i> , 2011, 189, 741-748.	6.5	185
18	Removal of Hg(II) by poly(1-vinylimidazole)-grafted Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> magnetic nanoparticles. <i>Water Research</i> , 2015, 69, 252-260.	5.3	175

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19	Fluoride distribution in electrocoagulation defluoridation process. Separation and Purification Technology, 2007, 56, 184-191.	3.9	162
20	Heterotrophic nitrification—“aerobic denitrification by novel isolated bacteria. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1305-1310.	1.4	160
21	Adsorption of U(VI) by multilayer titanate nanotubes: Effects of inorganic cations, carbonate and natural organic matter. Chemical Engineering Journal, 2016, 286, 427-435.	6.6	156
22	Global trends in water and sediment fluxes of the world’s large rivers. Science Bulletin, 2020, 65, 62-69.	4.3	156
23	Ammonium removal by Agrobacterium sp. LAD9 capable of heterotrophic nitrification—“aerobic denitrification. Journal of Bioscience and Bioengineering, 2012, 113, 619-623.	1.1	155
24	Preparation and characterization of PbO <sub>2</sub> electrodes doped with different rare earth oxides. Electrochimica Acta, 2007, 53, 2048-2054.	2.6	143
25	Simultaneous processes of electricity generation and p-nitrophenol degradation in a microbial fuel cell. Electrochemistry Communications, 2009, 11, 274-277.	2.3	142
26	Electrochemical Oxidation Characteristics of p-Substituted Phenols Using a Boron-Doped Diamond Electrode. Environmental Science & Technology, 2007, 41, 6541-6546.	4.6	139
27	Palm oil mill effluent treatment using a two-stage microbial fuel cells system integrated with immobilized biological aerated filters. Bioresource Technology, 2010, 101, 2729-2734.	4.8	136
28	Bioaugmentation treatment of municipal wastewater with heterotrophic-aerobic nitrogen removal bacteria in a pilot-scale SBR. Bioresource Technology, 2015, 183, 25-32.	4.8	127
29	Photocatalytic degradation of amoxicillin by carbon quantum dots modified K <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> nanotubes: Effect of light wavelength. Chinese Chemical Letters, 2019, 30, 1214-1218.	4.8	120
30	Simultaneous removal of sulfide and organics with vanadium(V) reduction in microbial fuel cells. Journal of Chemical Technology and Biotechnology, 2009, 84, 1780-1786.	1.6	119
31	Enrichment and characterization of a bacteria consortium capable of heterotrophic nitrification and aerobic denitrification at low temperature. Bioresource Technology, 2013, 127, 151-157.	4.8	117
32	Lateral transport of soil carbon and land-atmosphere CO <sub>2</sub> flux induced by water erosion in China. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6617-6622.	3.3	117
33	Simultaneous nitrification, denitrification and phosphorus removal in a sequencing batch reactor (SBR) under low temperature. Chemosphere, 2019, 229, 132-141.	4.2	116
34	Highly efficient adsorption of Cr(VI) from aqueous solutions by amino-functionalized titanate nanotubes. Chemical Engineering Journal, 2013, 225, 153-163.	6.6	112
35	Reducing NO and N <sub>2</sub> O emission during aerobic denitrification by newly isolated Pseudomonas stutzeri PCN-1. Bioresource Technology, 2014, 162, 80-88.	4.8	110
36	Comammox Nitrospira within the Yangtze River continuum: community, biogeography, and ecological drivers. ISME Journal, 2020, 14, 2488-2504.	4.4	106

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37	Correspondence analysis of bio-refractory compounds degradation and microbiological community distribution in anaerobic filter for coking wastewater treatment. <i>Chemical Engineering Journal</i> , 2016, 304, 864-872.	6.6	96
38	Treatment of bromoamine acid wastewater using combined process of micro-electrolysis and biological aerobic filter. <i>Journal of Hazardous Materials</i> , 2009, 162, 1204-1210.	6.5	95
39	Synergies between electrochemical oxidation and activated carbon adsorption in three-dimensional boron-doped diamond anode system. <i>Electrochimica Acta</i> , 2011, 56, 1270-1274.	2.6	94
40	Adsorption mechanisms of thallium(I) and thallium(III) by titanate nanotubes: Ion-exchange and co-precipitation. <i>Journal of Colloid and Interface Science</i> , 2014, 423, 67-75.	5.0	94
41	Adsorption and desorption of Cd(II) onto titanate nanotubes and efficient regeneration of tubular structures. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 379-386.	6.5	93
42	Actinia-like multifunctional nanoagulant for single-step removal of water contaminants. <i>Nature Nanotechnology</i> , 2019, 14, 64-71.	15.6	89
43	Comparison on aggregation and sedimentation of titanium dioxide, titanate nanotubes and titanate nanotubes-TiO <sub>2</sub> : Influence of pH, ionic strength and natural organic matter. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 319-328.	2.3	87
44	Effects of porous carrier size on biofilm development, microbial distribution and nitrogen removal in microaerobic bioreactors. <i>Bioresource Technology</i> , 2017, 234, 360-369.	4.8	87
45	Antibiotics in water and sediments of Danjiangkou Reservoir, China: Spatiotemporal distribution and indicator screening. <i>Environmental Pollution</i> , 2019, 246, 435-442.	3.7	86
46	Interaction of Cr(VI) reduction and denitrification by strain <i>Pseudomonas aeruginosa</i> PCN-2 under aerobic conditions. <i>Bioresource Technology</i> , 2015, 185, 346-352.	4.8	82
47	Adsorption of Cu(II) and Cd(II) on titanate nanomaterials synthesized via hydrothermal method under different NaOH concentrations: Role of sodium content. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 452, 138-147.	2.3	80
48	Microbial reduction and precipitation of vanadium (V) in groundwater by immobilized mixed anaerobic culture. <i>Bioresource Technology</i> , 2015, 192, 410-417.	4.8	79
49	Comparison of electrochemical method with ozonation, chlorination and monochloramination in drinking water disinfection. <i>Electrochimica Acta</i> , 2011, 56, 9789-9796.	2.6	77
50	Destination of organic pollutants during electrochemical oxidation of biologically-pretreated dye wastewater using boron-doped diamond anode. <i>Journal of Hazardous Materials</i> , 2011, 189, 127-133.	6.5	77
51	Heterogeneous photocatalysis of methylene blue over titanate nanotubes: Effect of adsorption. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 211-216.	5.0	77
52	Subcellular mechanism of <i>Escherichia coli</i> inactivation during electrochemical disinfection with boron-doped diamond anode: A comparative study of three electrolytes. <i>Water Research</i> , 2015, 84, 198-206.	5.3	73
53	Microbial community compositions in different functional zones of Carrousel oxidation ditch system for domestic wastewater treatment. <i>AMB Express</i> , 2017, 7, 40.	1.4	73
54	Selective and irreversible adsorption of mercury( <sup>II</sup> ) from aqueous solution by a flower-like titanate nanomaterial. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17676-17684.	5.2	71

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55	Assessing the effectiveness of treating coking effluents using anaerobic and aerobic biofilms. <i>Process Biochemistry</i> , 2008, 43, 229-237.	1.8	70
56	A study of electron-shuttle mechanism in <i>Klebsiella pneumoniae</i> based-microbial fuel cells. <i>Science Bulletin</i> , 2010, 55, 99-104.	1.7	69
57	Inactivation of <i>Escherichia coli</i> in Na <sub>2</sub> SO <sub>4</sub> electrolyte using boron-doped diamond anode. <i>Electrochimica Acta</i> , 2010, 56, 448-453.	2.6	69
58	Effect of sulfamethoxazole on aerobic denitrification by strain <i>Pseudomonas stutzeri</i> PCN-1. <i>Bioresource Technology</i> , 2017, 235, 325-331.	4.8	68
59	Removal of coexisting Cr(VI) and 4-chlorophenol through reduction and Fenton reaction in a single system. <i>Chemical Engineering Journal</i> , 2014, 248, 89-97.	6.6	66
60	Metagenomic insights into the profile of antibiotic resistomes in a large drinking water reservoir. <i>Environment International</i> , 2020, 136, 105449.	4.8	65
61	Washing of field weathered crude oil contaminated soil with an environmentally compatible surfactant, alkyl polyglucoside. <i>Chemosphere</i> , 2009, 76, 579-586.	4.2	64
62	Pilot treatment of wastewater from <i>Dioscorea zingiberensis</i> C.H. Wright production by anaerobic digestion combined with a biological aerated filter. <i>Bioresource Technology</i> , 2009, 100, 2918-2925.	4.8	62
63	Dual-Enhanced Photocatalytic Activity of Fe-Deposited Titanate Nanotubes Used for Simultaneous Removal of As(III) and As(V). <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 19726-19735.	4.0	60
64	Titanium dioxide mediated photocatalytic degradation of 17 $\beta$ -estradiol in aqueous solution. <i>Chemosphere</i> , 2008, 73, 600-606.	4.2	59
65	High-efficient nitrogen removal by coupling enriched autotrophic-nitrification and aerobic-denitrification consortiums at cold temperature. <i>Bioresource Technology</i> , 2014, 161, 288-296.	4.8	58
66	The best utilization of <i>D. zingiberensis</i> C.H. Wright by an eco-friendly process. <i>Bioresource Technology</i> , 2008, 99, 7407-7411.	4.8	56
67	Utilization of single-chamber microbial fuel cells as renewable power sources for electrochemical degradation of nitrogen-containing organic compounds. <i>Chemical Engineering Journal</i> , 2015, 280, 99-105.	6.6	56
68	Synergic Adsorption&quot;Biodegradation by an Advanced Carrier for Enhanced Removal of High-Strength Nitrogen and Refractory Organics. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13188-13200.	4.0	54
69	Comparative electrochemical degradation of phthalic acid esters using boron-doped diamond and Pt anodes. <i>Chemosphere</i> , 2010, 80, 845-851.	4.2	53
70	Electrochemical oxidation of nitrogen-heterocyclic compounds at boron-doped diamond electrode. <i>Chemosphere</i> , 2012, 86, 368-375.	4.2	50
71	Cotransport of bacteria with hematite in porous media: Effects of ion valence and humic acid. <i>Water Research</i> , 2016, 88, 586-594.	5.3	50
72	Molecular biogeography of planktonic and benthic diatoms in the Yangtze River. <i>Microbiome</i> , 2019, 7, 153.	4.9	50

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73	Investigation and optimization of the novel UASB-MFC integrated system for sulfate removal and bioelectricity generation using the response surface methodology (RSM). <i>Bioresource Technology</i> , 2012, 124, 1-7.	4.8	49
74	Minimization of nitrous oxide emission in a pilot-scale oxidation ditch: Generation, spatial variation and microbial interpretation. <i>Bioresource Technology</i> , 2015, 179, 510-517.	4.8	49
75	Preparation of sodium carboxymethyl cellulose from paper sludge. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 427-434.	1.6	48
76	A promising clean process for production of diosgenin from <i>Dioscorea zingiberensis</i> C. H. Wright. <i>Journal of Cleaner Production</i> , 2010, 18, 242-247.	4.6	48
77	Scale-up of BDD anode system for electrochemical oxidation of phenol simulated wastewater in continuous mode. <i>Journal of Hazardous Materials</i> , 2010, 184, 493-498.	6.5	48
78	Effects of ultrasound on electrochemical oxidation mechanisms of p-substituted phenols at BDD and PbO <sub>2</sub> anodes. <i>Electrochimica Acta</i> , 2010, 55, 5569-5575.	2.6	48
79	Electricity generation from molasses wastewater by an anaerobic baffled stacking microbial fuel cell. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 406-413.	1.6	48
80	Electrochemical oxidation of phenol at boron-doped diamond electrode in pulse current mode. <i>Electrochimica Acta</i> , 2011, 56, 5310-5315.	2.6	47
81	Effects of heavy metals on aerobic denitrification by strain <i>Pseudomonas stutzeri</i> PCN-1. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1717-1727.	1.7	47
82	Maximization of current efficiency for organic pollutants oxidation at BDD, Ti/SnO <sub>2</sub> -Sb/PbO <sub>2</sub> , and Ti/SnO <sub>2</sub> -Sb anodes. <i>Chemosphere</i> , 2018, 205, 361-368.	4.2	47
83	Three-dimensional three-phase model for simulation of hydrodynamics, oxygen mass transfer, carbon oxidation, nitrification and denitrification in an oxidation ditch. <i>Water Research</i> , 2014, 53, 200-214.	5.3	44
84	Potential application of aerobic denitrifying bacterium <i>Pseudomonas aeruginosa</i> PCN-2 in nitrogen oxides (NO <sub>x</sub> ) removal from flue gas. <i>Journal of Hazardous Materials</i> , 2016, 318, 571-578.	6.5	44
85	Arsenate adsorption onto Fe-TNTs prepared by a novel water-ethanol hydrothermal method: Mechanism and synergistic effect. <i>Journal of Colloid and Interface Science</i> , 2015, 440, 253-262.	5.0	42
86	Effect of nitro substituent on electrochemical oxidation of phenols at boron-doped diamond anodes. <i>Chemosphere</i> , 2010, 78, 1093-1099.	4.2	40
87	LSER model for organic compounds adsorption by single-walled carbon nanotubes: Comparison with multi-walled carbon nanotubes and activated carbon. <i>Environmental Pollution</i> , 2015, 206, 652-660.	3.7	39
88	Mitigated membrane fouling of anammox membrane bioreactor by microbiological immobilization. <i>Bioresource Technology</i> , 2016, 201, 312-318.	4.8	39
89	Electrogeneration of disinfection byproducts at a boron-doped diamond anode with resorcinol as a model substance. <i>Electrochimica Acta</i> , 2012, 69, 268-274.	2.6	38
90	Effects of ZnO nanoparticles on aerobic denitrification by strain <i>Pseudomonas stutzeri</i> PCN-1. <i>Bioresource Technology</i> , 2017, 239, 21-27.	4.8	38

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91	Initial photocatalytic degradation intermediates/pathways of 17 $\beta$ -ethynylestradiol: Effect of pH and methanol. <i>Chemosphere</i> , 2010, 81, 92-99.	4.2	37
92	Mutual promotion mechanism for adsorption of coexisting Cr(III) and Cr(VI) onto titanate nanotubes. <i>Chemical Engineering Journal</i> , 2013, 232, 228-236.	6.6	37
93	Absorption of Cr(VI) onto amino-modified titanate nanotubes using 2-Bromoethylamine hydrobromide through SN2 reaction. <i>Journal of Colloid and Interface Science</i> , 2013, 401, 133-140.	5.0	36
94	Imbalance of global nutrient cycles exacerbated by the greater retention of phosphorus over nitrogen in lakes. <i>Nature Geoscience</i> , 2022, 15, 464-468.	5.4	35
95	Separation of hyaluronic acid from fermentation broth by tangential flow microfiltration and ultrafiltration. <i>Separation and Purification Technology</i> , 2006, 52, 29-38.	3.9	34
96	Effect of inorganic nanoparticles on 17 $\beta$ -estradiol and 17 $\beta$ -ethynylestradiol adsorption by multi-walled carbon nanotubes. <i>Environmental Pollution</i> , 2015, 205, 111-120.	3.7	34
97	Short-cut synthesis of tri-titanate nanotubes using nano-anatase: Mechanism and application as an excellent adsorbent. <i>Microporous and Mesoporous Materials</i> , 2015, 213, 40-47.	2.2	34
98	Discrepant membrane fouling of partial nitrification and anammox membrane bioreactor operated at the same nitrogen loading rate. <i>Bioresource Technology</i> , 2016, 214, 729-736.	4.8	34
99	Sea-Buckthorn-Like MnO <sub>2</sub> Decorated Titanate Nanotubes with Oxidation Property and Photocatalytic Activity for Enhanced Degradation of 17 $\beta$ -Estradiol under Solar Light. <i>ACS Applied Energy Materials</i> , 2018, 1, 2123-2133.	2.5	34
100	Anammox response to natural and anthropogenic impacts over the Yangtze River. <i>Science of the Total Environment</i> , 2019, 665, 171-180.	3.9	34
101	Treatment of wastewater from <i>Dioscorea zingiberensis</i> tubers used for producing steroid hormones in a microbial fuel cell. <i>Bioresource Technology</i> , 2011, 102, 2731-2735.	4.8	33
102	The improvement of boron-doped diamond anode system in electrochemical degradation of p-nitrophenol by zero-valent iron. <i>Electrochimica Acta</i> , 2011, 56, 10371-10377.	2.6	32
103	Fast characterization of soluble organic intermediates and integrity of microbial cells in the process of alkaline anaerobic fermentation of waste activated sludge. <i>Biochemical Engineering Journal</i> , 2014, 86, 49-56.	1.8	32
104	Polyfluoroalkyl substances in Danjiangkou Reservoir, China: Occurrence, composition, and source appointment. <i>Science of the Total Environment</i> , 2020, 725, 138352.	3.9	32
105	Enhanced removal of <i>Microcystis aeruginosa</i> in BDD-CF electrochemical system by simple addition of Fe <sup>2+</sup> . <i>Chemical Engineering Journal</i> , 2017, 325, 360-368.	6.6	31
106	Genomic insights into metabolic potentials of two simultaneous aerobic denitrification and phosphorus removal bacteria, <i>Achromobacter</i> sp. GAD3 and <i>Agrobacterium</i> sp. LAD9. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	31
107	Novel Ion-Exchange Coagulants Remove More Low Molecular Weight Organics than Traditional Coagulants. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3897-3904.	4.6	30
108	Dominant role of ammonia-oxidizing bacteria in nitrification due to ammonia accumulation in sediments of Danjiangkou reservoir, China. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3399-3410.	1.7	30

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109	Performance Assessment of Full-Scale Wastewater Treatment Plants Based on Seasonal Variability of Microbial Communities via High-Throughput Sequencing. PLoS ONE, 2016, 11, e0152998.	1.1	29
110	Production of diosgenin from yellow ginger ( <i>Dioscorea zingiberensis</i> C. H. Wright) saponins by commercial cellulase. World Journal of Microbiology and Biotechnology, 2010, 26, 1171-1180.	1.7	28
111	Synergetic antibacterial activity of reduced graphene oxide and boron doped diamond anode in three dimensional electrochemical oxidation system. Scientific Reports, 2015, 5, 10388.	1.6	28
112	Arsenate removal by Donnan dialysis: Effects of the accompanying components. Separation and Purification Technology, 2010, 72, 250-255.	3.9	27
113	Scale-up of B-doped diamond anode system for electrochemical oxidation of phenol simulated wastewater in batch mode. Electrochimica Acta, 2011, 56, 9439-9447.	2.6	27
114	Effect of NaCl on aerobic denitrification by strain <i>Achromobacter</i> sp. GAD-3. Applied Microbiology and Biotechnology, 2017, 101, 5139-5147.	1.7	27
115	Response of microbial nitrogen transformation processes to antibiotic stress in a drinking water reservoir. Science of the Total Environment, 2021, 797, 149119.	3.9	27
116	Three Gorges Dam: friend or foe of riverine greenhouse gases?. National Science Review, 2022, 9, .	4.6	27
117	Rapid assessment of sustainability in Mainland China. Journal of Environmental Management, 2010, 91, 1021-1031.	3.8	26
118	Flagella and Their Properties Affect the Transport and Deposition Behaviors of <i>Escherichia coli</i> in Quartz Sand. Environmental Science & Technology, 2021, 55, 4964-4973.	4.6	26
119	Assessment of flooding impacts in terms of sustainability in mainland China. Journal of Environmental Management, 2010, 91, 1930-1942.	3.8	25
120	Simultaneous denitrification and phosphorus removal by <i>Agrobacterium</i> sp. LAD9 under varying oxygen concentration. Applied Microbiology and Biotechnology, 2016, 100, 3337-3346.	1.7	25
121	Discrepant hexavalent chromium tolerance and detoxification by two strains of <i>Trichoderma asperellum</i> with high homology. Chemical Engineering Journal, 2016, 298, 75-81.	6.6	25
122	Optical property of dissolved organic matters (DOMs) and its link to the presence of metal ions in surface freshwaters in China. Chemosphere, 2017, 188, 502-509.	4.2	25
123	Rare biosphere regulates the planktonic and sedimentary bacteria by disparate ecological processes in a large source water reservoir. Water Research, 2022, 216, 118296.	5.3	25
124	Influence of silicate on the transport of bacteria in quartz sand and iron mineral-coated sand. Colloids and Surfaces B: Biointerfaces, 2014, 123, 995-1002.	2.5	24
125	Bio-Source of di-n-butyl phthalate production by filamentous fungi. Scientific Reports, 2016, 6, 19791.	1.6	24
126	Application of Titanate Nanotubes for Photocatalytic Decontamination in Water: Challenges and Prospects. ACS ES&T Engineering, 2022, 2, 1015-1038.	3.7	24



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127	Pharmaceuticals and personal care products (PPCPs) in water, sediment and freshwater mollusks of the Dongting Lake downstream the Three Gorges Dam. <i>Chemosphere</i> , 2022, 301, 134721.	4.2	24
128	Special role of corn flour as an ideal carbon source for aerobic denitrification with minimized nitrous oxide emission. <i>Bioresource Technology</i> , 2015, 186, 44-51.	4.8	23
129	Process optimization for the production of diosgenin with <i>Trichoderma reesei</i> . <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 647-655.	1.7	22
130	Sustainability of global Golden Inland Waterways. <i>Nature Communications</i> , 2020, 11, 1553.	5.8	22
131	Unveil the role of dissolved and sedimentary metal(loid)s on bacterial communities and metal resistance genes (MRCs) in an urban river of the Qinghai-Tibet Plateau. <i>Water Research</i> , 2022, 211, 118050.	5.3	22
132	Enhanced phosphorus flux from overlying water to sediment in a bioelectrochemical system. <i>Bioresource Technology</i> , 2016, 216, 182-187.	4.8	21
133	Treatment of coking wastewater by a UBF&BAF combined process. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 317-324.	1.6	20
134	Enrichment of antibiotics in an inland lake water. <i>Environmental Research</i> , 2020, 190, 110029.	3.7	20
135	Cleaner production alternatives for saponin industry by recycling starch. <i>Resources, Conservation and Recycling</i> , 2010, 54, 1145-1151.	5.3	19
136	Bactericidal mechanisms of Au@TNBs under visible light irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 211-218.	2.5	19
137	Electrochemical degradation of bisphenol A in chloride electrolyte&quot;Factor analysis and mechanisms study. <i>Electrochimica Acta</i> , 2016, 222, 1144-1152.	2.6	19
138	High photocatalytic and adsorptive performance of anatase-covered titanate nanotubes prepared by wet chemical reaction. <i>Microporous and Mesoporous Materials</i> , 2014, 186, 168-175.	2.2	18
139	Redistribution of Electron Equivalents between Magnetite and Aqueous Fe <sup>2+</sup> Induced by a Model Quinone Compound AQDS. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1863-1873.	4.6	18
140	In-situ expressions of comammox Nitrospira along the Yangtze River. <i>Water Research</i> , 2021, 200, 117241.	5.3	18
141	Decolorization of 1-amino-4-bromoanthraquinone-2-sulfonic acid by a newly isolated strain of <i>Sphingomonas herbicidovorans</i> . <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 88-92.	1.9	17
142	Comparison of the yields of mono-, Di- and tri-chlorinated HAAs and THMs in chlorination and chloramination based on experimental and quantum-chemical data. <i>Water Research</i> , 2020, 169, 115100.	5.3	17
143	Perfluoroalkyl substances in the Yangtze River: Changing exposure and its implications after operation of the Three Gorges Dam. <i>Water Research</i> , 2020, 182, 115933.	5.3	17
144	Global syndromes induced by changes in solutes of the world&quot;s large rivers. <i>Nature Communications</i> , 2021, 12, 5940.	5.8	17

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145	Bacterial communities in cascade reservoirs along a large river. <i>Limnology and Oceanography</i> , 2021, 66, 4363-4374.	1.6	17
146	Dispersal limitation drives biogeographical patterns of anammox bacterial communities across the Yangtze River. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5535-5546.	1.7	16
147	Characteristics of Pb <sup>2+</sup> biosorption with aerobic granular biomass. <i>Science Bulletin</i> , 2008, 53, 948-953.	4.3	15
148	Paper sludge as a feasible soil amendment for the immobilization of Pb <sup>2+</sup> . <i>Journal of Environmental Sciences</i> , 2010, 22, 413-420.	3.2	15
149	Investigation on the mechanisms for biotransformation of saponins to diosgenin. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 143-152.	1.7	15
150	Behavior detection and activity recovery of damaged anammox bacteria culture after accidental overheating. <i>Chemical Engineering Journal</i> , 2015, 259, 70-78.	6.6	15
151	Different spatiotemporal dynamics, ecological drivers and assembly processes of bacterial, archaeal and fungal communities in brackish-saline groundwater. <i>Water Research</i> , 2022, 214, 118193.	5.3	15
152	Unexpectedly minor nitrous oxide emissions from fluvial networks draining permafrost catchments of the East Qinghai-Tibet Plateau. <i>Nature Communications</i> , 2022, 13, 950.	5.8	15
153	Arsenate removal from simulated groundwater with a Donnan dialyzer. <i>Journal of Hazardous Materials</i> , 2012, 215-216, 159-165.	6.5	14
154	Short-cut waste activated sludge fermentation and application of fermentation liquid to improve heterotrophic aerobic nitrogen removal by <i>Agrobacterium</i> sp. LAD9. <i>Chemical Engineering Journal</i> , 2015, 259, 911-917.	6.6	14
155	Hydrochemistry and nutrients determined the distribution of greenhouse gases in saline groundwater. <i>Environmental Pollution</i> , 2021, 286, 117383.	3.7	14
156	Distinct community assembly processes underlie significant spatiotemporal dynamics of abundant and rare bacterioplankton in the Yangtze River. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	14
157	Effects of Copper on the Sorption of Phthalate Esters to Yellow River Sediment. <i>Water, Air, and Soil Pollution</i> , 2007, 184, 207-216.	1.1	13
158	Mathematical modeling of the batch fermentation of <i>Zoogloea</i> sp. GY3 used for synthesizing polyhydroxyalkanoates. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 789-793.	1.6	12
159	Preparation and property analysis of polyacrylate dispersant for calcium carbonate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 326, 122-128.	2.3	12
160	Natural organic matter removal by coagulation: effect of kinetics and hydraulic power. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 21-30.	1.0	12
161	Solving the mystery of vanishing rivers in China. <i>National Science Review</i> , 2019, 6, 1239-1246.	4.6	12
162	Structural characteristics of river networks and their relations to basin factors in the Yangtze and Yellow River basins. <i>Science China Technological Sciences</i> , 2019, 62, 1885-1895.	2.0	11

#	ARTICLE	IF	CITATIONS
163	Microscopic view of phytoplankton along the Yangtze River. <i>Science China Technological Sciences</i> , 2019, 62, 1873-1884.	2.0	11
164	Phosphate removal using compounds prepared from paper sludge and fly ash. <i>Environmental Earth Sciences</i> , 2013, 70, 615-623.	1.3	10
165	Interpreting main features of the differential absorbance spectra of chlorinated natural organic matter: Comparison of the experimental and theoretical spectra of model compounds. <i>Water Research</i> , 2020, 185, 116206.	5.3	9
166	Interpretation of high perchlorate generated during electrochemical disinfection in presence of chloride at BDD anodes. <i>Chemosphere</i> , 2021, 284, 131418.	4.2	9
167	Blown-sand transport rate. <i>Earth Surface Processes and Landforms</i> , 2004, 29, 1-14.	1.2	8
168	Partitioning of water soluble organic carbon in three sediment size fractions: Effect of the humic substances. <i>Journal of Environmental Sciences</i> , 2009, 21, 113-119.	3.2	8
169	Erosion-induced CO <sub>2</sub> flux of small watersheds. <i>Global and Planetary Change</i> , 2012, 94-95, 101-110.	1.6	7
170	Genome-centric metagenomics provides new insights into the microbial community and metabolic potential of landfill leachate microbiota. <i>Science of the Total Environment</i> , 2022, 816, 151635.	3.9	7
171	Treatment of landfill leachate by immobilized microorganisms. <i>Science in China Series B: Chemistry</i> , 2008, 51, 1014-1020.	0.8	6
172	Scientometric analysis of coastal eutrophication research during the period of 1993 to 2008. <i>Environment, Development and Sustainability</i> , 2011, 13, 353-366.	2.7	6
173	Diagnosis of river basins as CO <sub>2</sub> sources or sinks subject to sediment movement. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 1398-1406.	1.2	5
174	Nitrite interference and elimination in diphenylcarbazide (DPCI) spectrophotometric determination of hexavalent chromium. <i>Water Science and Technology</i> , 2015, 72, 223-229.	1.2	5
175	Aggregate exposure pathways for microplastics (mpAEP): An evidence-based framework to identify research and regulatory needs. <i>Water Research</i> , 2022, 209, 117873.	5.3	5
176	Modification of Chemical Oxygen Demand Monitoring in the Yellow River, China, with a High Content of Sediments. <i>Water Environment Research</i> , 2007, 79, 2336-2342.	1.3	4
177	Recovery of <i>Bacillus thuringiensis</i> based biopesticides from fermented sludge by cross-flow microfiltration. <i>Desalination and Water Treatment</i> , 2012, 43, 17-28.	1.0	4
178	Differences in quinone redox system of humic substances between endemic and disease-free areas in Kashinâ€Beck disease-affected Changdu Region, Tibet, China. <i>Environmental Geochemistry and Health</i> , 2021, 43, 3133-3149.	1.8	4
179	Impact of River Realignment and Land Reclamation on Flood Control and Ecological Habitat in River-estuary-bay System. <i>Water International</i> , 2001, 26, 206-214.	0.4	3
180	Sorption of phenanthrene on to soil fractions in the presence of Triton X-100. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 321-327.	1.2	3

#	ARTICLE	IF	CITATIONS
181	Dynamic Behaviors of Sulfur Evolved in the Gas Phase from Pyrolysis of Six Chinese Coals. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 281-293.	1.2	2
182	Enhancement of Electricity Generation and Sulfide Removal in Microbial Fuel Cells with Lead Dioxide Catalyzed Cathode. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
183	Rapid Assessment of Intertidal Wetland Sediments. Soil and Sediment Contamination, 2012, 21, 574-585.	1.1	0
184	Electrochemical elimination of Microcystis aeruginosa with boron-doped diamond anode in different electrolyte systems: chemical and biological mechanisms. Environmental Science and Pollution Research, 2022, 29, 27677.	2.7	0