

Hong-Ying Hu

List of Publications by Year in descending order

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334
papers

14,508
citations

18436

62
h-index

33814

99
g-index

344
all docs

344
docs citations

344
times ranked

11174
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of different nitrogen and phosphorus concentrations on the growth, nutrient uptake, and lipid accumulation of a freshwater microalga <i>Scenedesmus</i> sp.. <i>Bioresource Technology</i> , 2010, 101, 5494-5500.	4.8	853
2	Synergistic effect between UV and chlorine (UV/chlorine) on the degradation of carbamazepine: Influence factors and radical species. <i>Water Research</i> , 2016, 98, 190-198.	5.3	331
3	Growth and lipid accumulation properties of a freshwater microalga <i>Scenedesmus</i> sp. under different cultivation temperature. <i>Bioresource Technology</i> , 2011, 102, 3098-3102.	4.8	318
4	Characteristics of water quality of municipal wastewater treatment plants in China: implications for resources utilization and management. <i>Journal of Cleaner Production</i> , 2016, 131, 1-9.	4.6	289
5	Toxic Impact of Bromide and Iodide on Drinking Water Disinfected with Chlorine or Chloramines. <i>Environmental Science & Technology</i> , 2014, 48, 12362-12369.	4.6	215
6	Inactivation and reactivation of antibiotic-resistant bacteria by chlorination in secondary effluents of a municipal wastewater treatment plant. <i>Water Research</i> , 2011, 45, 2775-2781.	5.3	199
7	Comparison of UV-LED and low pressure UV for water disinfection: Photoreactivation and dark repair of <i>Escherichia coli</i> . <i>Water Research</i> , 2017, 126, 134-143.	5.3	199
8	Isolation and Characterization of a Novel Antialgal Allelochemical from <i>Phragmites communis</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 6545-6553.	1.4	177
9	Gramine-induced growth inhibition, oxidative damage and antioxidant responses in freshwater cyanobacterium <i>Microcystis aeruginosa</i> . <i>Aquatic Toxicology</i> , 2009, 91, 262-269.	1.9	177
10	Formation and control of disinfection byproducts and toxicity during reclaimed water chlorination: A review. <i>Journal of Environmental Sciences</i> , 2017, 58, 51-63.	3.2	176
11	Substrate Interactions in BTEX and MTBE Mixtures by an MTBE-Degrading Isolate. <i>Environmental Science & Technology</i> , 2001, 35, 312-317.	4.6	152
12	Dichloroacetonitrile and Dichloroacetamide Can Form Independently during Chlorination and Chloramination of Drinking Waters, Model Organic Matters, and Wastewater Effluents. <i>Environmental Science & Technology</i> , 2012, 46, 10624-10631.	4.6	150
13	Effect of carbon source on the denitrification in constructed wetlands. <i>Journal of Environmental Sciences</i> , 2009, 21, 1036-1043.	3.2	144
14	Improvement in municipal wastewater treatment alters lake nitrogen to phosphorus ratios in populated regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11566-11572.	3.3	141
15	Monitoring and evaluation of antibiotic-resistant bacteria at a municipal wastewater treatment plant in China. <i>Environment International</i> , 2012, 42, 31-36.	4.8	137
16	Degradation of natural organic matter by UV/chlorine oxidation: Molecular decomposition, formation of oxidation byproducts and cytotoxicity. <i>Water Research</i> , 2017, 124, 251-258.	5.3	137
17	Microalgae-based advanced municipal wastewater treatment for reuse in water bodies. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2659-2675.	1.7	134
18	Microalgal species for sustainable biomass/lipid production using wastewater as resource: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 33, 675-688.	8.2	133

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19	Potential risks from UV/H ₂ O ₂ oxidation and UV photocatalysis: A review of toxic, assimilable, and sensory-unpleasant transformation products. <i>Water Research</i> , 2018, 141, 109-125.	5.3	132
20	Effect of Ammonia Nitrogen and Dissolved Organic Matter Fractions on the Genotoxicity of Wastewater Effluent during Chlorine Disinfection. <i>Environmental Science & Technology</i> , 2007, 41, 160-165.	4.6	127
21	The characteristics and influencing factors of the attached microalgae cultivation: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 1110-1119.	8.2	125
22	Underestimated risk from ozonation of wastewater containing bromide: Both organic byproducts and bromate contributed to the toxicity increase. <i>Water Research</i> , 2019, 162, 43-52.	5.3	121
23	Fouling characteristics of reverse osmosis membranes at different positions of a full-scale plant for municipal wastewater reclamation. <i>Water Research</i> , 2016, 90, 329-336.	5.3	114
24	Analytical precision and repeatability of respiratory quinones for quantitative study of microbial community structure in environmental samples. <i>Journal of Microbiological Methods</i> , 2001, 47, 17-24.	0.7	112
25	UV/chlorine as an advanced oxidation process for the degradation of benzalkonium chloride: Synergistic effect, transformation products and toxicity evaluation. <i>Water Research</i> , 2017, 114, 246-253.	5.3	112
26	Responses of enzymatic antioxidants and non-enzymatic antioxidants in the cyanobacterium <i>Microcystis aeruginosa</i> to the allelochemical ethyl 2-methyl acetoacetate (EMA) isolated from reed (<i>Phragmites communis</i>). <i>Journal of Plant Physiology</i> , 2008, 165, 1264-1273.	1.6	111
27	Degradation of polyvinyl alcohol (PVA) by UV/chlorine oxidation: Radical roles, influencing factors, and degradation pathway. <i>Water Research</i> , 2017, 124, 381-387.	5.3	107
28	UV inactivation and characteristics after photoreactivation of <i>Escherichia coli</i> with plasmid: Health safety concern about UV disinfection. <i>Water Research</i> , 2012, 46, 4031-4036.	5.3	104
29	Evaluating method and potential risks of chlorine-resistant bacteria (CRB): A review. <i>Water Research</i> , 2021, 188, 116474.	5.3	104
30	A review on control of harmful algal blooms by plant-derived allelochemicals. <i>Journal of Hazardous Materials</i> , 2021, 401, 123403.	6.5	103
31	Growth and lipid accumulation properties of a freshwater microalga, <i>Chlorella ellipsoidea</i> YJ1, in domestic secondary effluents. <i>Applied Energy</i> , 2011, 88, 3295-3299.	5.1	102
32	Differences in dissolved organic matter between reclaimed water source and drinking water source. <i>Science of the Total Environment</i> , 2016, 551-552, 133-142.	3.9	102
33	Nutrient Recovery from Digestate of Anaerobic Digestion of Livestock Manure: a Review. <i>Current Pollution Reports</i> , 2018, 4, 74-83.	3.1	102
34	Microalgal attachment and attached systems for biomass production and wastewater treatment. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 92, 331-342.	8.2	102
35	Effect of bromide on the formation of disinfection by-products during wastewater chlorination. <i>Water Research</i> , 2009, 43, 2391-2398.	5.3	101
36	Tiered aquatic ecological risk assessment of organochlorine pesticides and their mixture in Jiangsu reach of Huaihe River, China. <i>Environmental Monitoring and Assessment</i> , 2009, 157, 29-42.	1.3	98

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37	Effect of chlorination and ultraviolet disinfection on tetA-mediated tetracycline resistance of <i>Escherichia coli</i> . <i>Chemosphere</i> , 2013, 90, 2247-2253.	4.2	98
38	Nanowire-Modified Three-Dimensional Electrode Enabling Low-Voltage Electroporation for Water Disinfection. <i>Environmental Science & Technology</i> , 2016, 50, 7641-7649.	4.6	95
39	Chlorine disinfection significantly aggravated the biofouling of reverse osmosis membrane used for municipal wastewater reclamation. <i>Water Research</i> , 2019, 154, 246-257.	5.3	95
40	Nutrient recovery from pig manure digestate using electrodialysis reversal: Membrane fouling and feasibility of long-term operation. <i>Journal of Membrane Science</i> , 2019, 573, 560-569.	4.1	92
41	Effect of pH on the reduction of nitrite in water by metallic iron. <i>Water Research</i> , 2001, 35, 2789-2793.	5.3	91
42	Optimization of amino acids production from waste fish entrails by hydrolysis in sub and supercritical water. <i>Canadian Journal of Chemical Engineering</i> , 2001, 79, 65-70.	0.9	87
43	Comparison of low- and medium-pressure ultraviolet lamps: Photoreactivation of <i>Escherichia coli</i> and total coliforms in secondary effluents of municipal wastewater treatment plants. <i>Water Research</i> , 2009, 43, 815-821.	5.3	87
44	Effects of chemical cleaning on RO membrane inorganic, organic and microbial foulant removal in a full-scale plant for municipal wastewater reclamation. <i>Water Research</i> , 2017, 113, 1-10.	5.3	87
45	Light-emitting diodes as an emerging UV source for UV/chlorine oxidation: Carbamazepine degradation and toxicity changes. <i>Chemical Engineering Journal</i> , 2017, 310, 148-156.	6.6	87
46	Enhanced growth and fatty acid accumulation of microalgae <i>Scenedesmus</i> sp. LX1 by two types of auxin. <i>Bioresource Technology</i> , 2018, 247, 561-567.	4.8	86
47	Promising solutions to solve the bottlenecks in the large-scale cultivation of microalgae for biomass/bioenergy production. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 1602-1614.	8.2	84
48	Simultaneous nitrogen, phosphorous, and hardness removal from reverse osmosis concentrate by microalgae cultivation. <i>Water Research</i> , 2016, 94, 215-224.	5.3	82
49	Synergistic effect of combined UV-LED and chlorine treatment on <i>Bacillus subtilis</i> spore inactivation. <i>Science of the Total Environment</i> , 2018, 639, 1233-1240.	3.9	81
50	Algal-bloom control by allelopathy of aquatic macrophytes – A review. <i>Frontiers of Environmental Science and Engineering in China</i> , 2008, 2, 421-438.	0.8	77
51	Physiological and biochemical effects of allelochemical ethyl 2-methyl acetoacetate (EMA) on cyanobacterium <i>Microcystis aeruginosa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 527-534.	2.9	76
52	Centralized water reuse system with multiple applications in urban areas: Lessons from China's experience. <i>Resources, Conservation and Recycling</i> , 2017, 117, 125-136.	5.3	74
53	Effect of Chlorination on the Estrogenic/Antiestrogenic Activities of Biologically Treated Wastewater. <i>Environmental Science & Technology</i> , 2009, 43, 4940-4945.	4.6	73
54	Fouling of reverse osmosis membrane for municipal wastewater reclamation: Autopsy results from a full-scale plant. <i>Desalination</i> , 2014, 349, 73-79.	4.0	73

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55	Meteorological factors and water quality changes of Plateau Lake Dianchi in China (1990–2015) and their joint influences on cyanobacterial blooms. <i>Science of the Total Environment</i> , 2019, 665, 406-418.	3.9	72
56	Increase of cytotoxicity during wastewater chlorination: Impact factors and surrogates. <i>Journal of Hazardous Materials</i> , 2017, 324, 681-690.	6.5	69
57	Effect of oxygen supply strategy on nitrogen removal of biochar-based vertical subsurface flow constructed wetland: Intermittent aeration and tidal flow. <i>Chemosphere</i> , 2019, 223, 366-374.	4.2	69
58	Development of a novel solid phase extraction method for the analysis of bacterial quinones in activated sludge with a higher reliability. <i>Journal of Bioscience and Bioengineering</i> , 1999, 87, 378-382.	1.1	68
59	Isolation and heterotrophic cultivation of mixotrophic microalgae strains for domestic wastewater treatment and lipid production under dark condition. <i>Bioresource Technology</i> , 2013, 149, 586-589.	4.8	68
60	Characteristics of biofilms and iron corrosion scales with ground and surface waters in drinking water distribution systems. <i>Corrosion Science</i> , 2015, 90, 331-339.	3.0	67
61	Biomass production of a <i>Scenedesmus</i> sp. under phosphorous-starvation cultivation condition. <i>Bioresource Technology</i> , 2012, 112, 193-198.	4.8	65
62	Enhanced microalgae growth through stimulated secretion of indole acetic acid by symbiotic bacteria. <i>Algal Research</i> , 2018, 33, 345-351.	2.4	65
63	Soluble Algal Products (SAPs) in large scale cultivation of microalgae for biomass/bioenergy production: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 141-148.	8.2	63
64	Emerging Trends and Prospects for Municipal Wastewater Management in China. <i>ACS ES&T Engineering</i> , 2022, 2, 323-336.	3.7	63
65	Effects of operating conditions on THMs and HAAs formation during wastewater chlorination. <i>Journal of Hazardous Materials</i> , 2009, 168, 1290-1295.	6.5	61
66	Analysis of respiratory quinones in soil for characterization of microbiota. <i>Soil Science and Plant Nutrition</i> , 1998, 44, 393-404.	0.8	59
67	A Cu ₃ P nanowire enabling high-efficiency, reliable, and energy-efficient low-voltage electroporation-inactivation of pathogens in water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18813-18820.	5.2	59
68	Start up of partial nitrification-anammox process using intermittently aerated sequencing batch reactor: Performance and microbial community dynamics. <i>Science of the Total Environment</i> , 2019, 647, 1188-1198.	3.9	58
69	Advantages of combined UV photodegradation and biofiltration processes to treat gaseous chlorobenzene. <i>Journal of Hazardous Materials</i> , 2009, 171, 1120-1125.	6.5	57
70	Characterization of corrosion scale formed on stainless steel delivery pipe for reclaimed water treatment. <i>Water Research</i> , 2016, 88, 816-825.	5.3	57
71	Effect of ultraviolet irradiation and chlorination on ampicillin-resistant <i>Escherichia coli</i> and its ampicillin resistance gene. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 522-530.	3.3	57
72	Carbon-nanotube sponges enabling highly efficient and reliable cell inactivation by low-voltage electroporation. <i>Environmental Science: Nano</i> , 2017, 4, 2010-2017.	2.2	56

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73	Towards the new era of wastewater treatment of China: Development history, current status, and future directions. <i>Water Cycle</i> , 2020, 1, 80-87.	2.1	56
74	Evaluation and prospects of nanomaterial-enabled innovative processes and devices for water disinfection: A state-of-the-art review. <i>Water Research</i> , 2020, 173, 115581.	5.3	56
75	A novel suspended-solid phase photobioreactor to improve biomass production and separation of microalgae. <i>Bioresource Technology</i> , 2014, 153, 399-402.	4.8	55
76	Carbon Fiber-Based Flow-Through Electrode System (FES) for Water Disinfection via Direct Oxidation Mechanism with a Sequential Reduction–Oxidation Process. <i>Environmental Science & Technology</i> , 2019, 53, 3238-3249.	4.6	54
77	Biological Degradation and Chemical Oxidation Characteristics of Coke-Oven Wastewater. <i>Water, Air, and Soil Pollution</i> , 2003, 146, 23-33.	1.1	53
78	Screening and estimating of toxicity formation with photobacterium bioassay during chlorine disinfection of wastewater. <i>Journal of Hazardous Materials</i> , 2007, 141, 289-294.	6.5	53
79	Effect of inlet ozone concentration on the performance of a micro-bubble ozonation system for inactivation of <i>Bacillus subtilis</i> spores. <i>Separation and Purification Technology</i> , 2013, 114, 126-133.	3.9	53
80	Advanced treatment of bio-treated dyeing and finishing wastewater using ozone-biological activated carbon: A study on the synergistic effects. <i>Chemical Engineering Journal</i> , 2019, 359, 168-175.	6.6	53
81	Efficient synergistic disinfection by ozone, ultraviolet irradiation and chlorine in secondary effluents. <i>Science of the Total Environment</i> , 2021, 758, 143641.	3.9	53
82	Quantitative analyses of the change in microbial diversity in a bioreactor for wastewater treatment based on respiratory quinones. <i>Water Research</i> , 1999, 33, 3263-3270.	5.3	52
83	Growth and physiological responses of freshwater green alga <i>Selenastrum capricornutum</i> to allelochemical ethyl 2-methyl acetoacetate (EMA) under different initial algal densities. <i>Pesticide Biochemistry and Physiology</i> , 2008, 90, 203-212.	1.6	52
84	Stimulative Effects of Ozone on a Biofilter Treating Gaseous Chlorobenzene. <i>Environmental Science & Technology</i> , 2009, 43, 9407-9412.	4.6	52
85	Development of species sensitivity distributions and estimation of HC5 of organochlorine pesticides with five statistical approaches. <i>Ecotoxicology</i> , 2008, 17, 716-724.	1.1	51
86	Effects of chlorination on the properties of dissolved organic matter and its genotoxicity in secondary sewage effluent under two different ammonium concentrations. <i>Chemosphere</i> , 2010, 80, 941-946.	4.2	51
87	Ozonation as an efficient pretreatment method to alleviate reverse osmosis membrane fouling caused by complexes of humic acid and calcium ion. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	51
88	Occurrence of estrogenic endocrine disrupting chemicals concern in sewage plant effluent. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 18-26.	3.3	49
89	Screening heterotrophic microalgal strains by using the Biolog method for biofuel production from organic wastewater. <i>Algal Research</i> , 2014, 6, 175-179.	2.4	46
90	Health risk assessment of phthalate esters (PAEs) in drinking water sources of China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3620-3630.	2.7	46

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91	Long-term changes in microbial community structure in soils subjected to different fertilizing practices revealed by quinone profile analysis. <i>Soil Science and Plant Nutrition</i> , 1998, 44, 559-569.	0.8	45
92	Effects of chemical agent injections on genotoxicity of wastewater in a microfiltration-reverse osmosis membrane process for wastewater reuse. <i>Journal of Hazardous Materials</i> , 2013, 260, 231-237.	6.5	45
93	Effects of nitrogen and phosphorus concentrations on the growth of microalgae <i>Scenedesmus</i> . LX1 in suspended-solid phase photobioreactors (ssPBR). <i>Biomass and Bioenergy</i> , 2018, 109, 47-53.	2.9	45
94	Electron donating capacity reduction of dissolved organic matter by solar irradiation reduces the cytotoxicity formation potential during wastewater chlorination. <i>Water Research</i> , 2018, 145, 94-102.	5.3	45
95	Inhibitory effects of soluble algae products (SAP) released by <i>Scenedesmus</i> sp. LX1 on its growth and lipid production. <i>Bioresource Technology</i> , 2013, 146, 643-648.	4.8	44
96	Lipid-rich microalgal biomass production and nutrient removal by <i>Haematococcus pluvialis</i> in domestic secondary effluent. <i>Ecological Engineering</i> , 2013, 60, 155-159.	1.6	44
97	Characterization and biotoxicity assessment of dissolved organic matter in RO concentrate from a municipal wastewater reclamation reverse osmosis system. <i>Chemosphere</i> , 2014, 117, 545-551.	4.2	44
98	Study on the removal of benzisothiazolinone biocide and its toxicity: The effectiveness of ozonation. <i>Chemical Engineering Journal</i> , 2016, 300, 376-383.	6.6	44
99	Effect of operating conditions on long-term performance of a biofilter treating gaseous toluene: Biomass accumulation and stable-run time estimation. <i>Biochemical Engineering Journal</i> , 2006, 31, 165-172.	1.8	43
100	The removal of estrogenic activity with UV/chlorine technology and identification of novel estrogenic disinfection by-products. <i>Journal of Hazardous Materials</i> , 2016, 307, 119-126.	6.5	43
101	Solar light irradiation significantly reduced cytotoxicity and disinfection byproducts in chlorinated reclaimed water. <i>Water Research</i> , 2017, 125, 162-169.	5.3	43
102	Elimination of chlorine-refractory carbamazepine by breakpoint chlorination: Reactive species and oxidation byproducts. <i>Water Research</i> , 2018, 129, 115-122.	5.3	43
103	2-Phosphonobutane-1,2,4-tricarboxylic acid (PBTCA) degradation by ozonation: Kinetics, phosphorus transformation, anti-precipitation property changes and phosphorus removal. <i>Water Research</i> , 2019, 148, 334-343.	5.3	43
104	Wastewater treatment and reuse situations and influential factors in major Asian countries. <i>Journal of Environmental Management</i> , 2021, 282, 111976.	3.8	43
105	Transformation of anti-estrogenic-activity related dissolved organic matter in secondary effluents during ozonation. <i>Water Research</i> , 2014, 48, 605-612.	5.3	42
106	Isolation of a <i>Poteroiochromonas</i> capable of feeding on <i>Microcystis aeruginosa</i> and degrading microcystin-LR. <i>FEMS Microbiology Letters</i> , 2008, 288, 241-246.	0.7	41
107	Reduced Effect of Bromide on the Genotoxicity in Secondary Effluent of a Municipal Wastewater Treatment Plant during Chlorination. <i>Environmental Science & Technology</i> , 2010, 44, 4924-4929.	4.6	41
108	Potential biomass yield per phosphorus and lipid accumulation property of seven microalgal species. <i>Bioresource Technology</i> , 2013, 130, 599-602.	4.8	41

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109	Fouling characteristics and fouling control of reverse osmosis membranes for desalination of dyeing wastewater with high chemical oxygen demand. <i>Desalination</i> , 2017, 419, 1-7.	4.0	41
110	Attached microalgae cultivation and nutrients removal in a novel capillary-driven photo-biofilm reactor. <i>Algal Research</i> , 2017, 27, 198-205.	2.4	41
111	Potential interactions between syntrophic bacteria and methanogens via type IV pili and quorum-sensing systems. <i>Environment International</i> , 2020, 138, 105650.	4.8	41
112	The molecular structures of polysaccharides affect their reverse osmosis membrane fouling behaviors. <i>Journal of Membrane Science</i> , 2021, 625, 118984.	4.1	41
113	Effect of ultraviolet disinfection on the fouling of reverse osmosis membranes for municipal wastewater reclamation. <i>Water Research</i> , 2021, 195, 116995.	5.3	41
114	Comparison of carbonized and graphitized carbon fiber electrodes under flow-through electrode system (FES) for high-efficiency bacterial inactivation. <i>Water Research</i> , 2020, 168, 115150.	5.3	40
115	Bacterial removal performance and community changes during advanced treatment process: A case study at a full-scale water reclamation plant. <i>Science of the Total Environment</i> , 2020, 705, 135811.	3.9	40
116	Fate of trace tetracycline with resistant bacteria and resistance genes in an improved AAO wastewater treatment plant. <i>Chemical Engineering Research and Design</i> , 2015, 93, 68-74.	2.7	39
117	Degradation of dodecyl dimethyl benzyl ammonium chloride (DDBAC) as a non-oxidizing biocide in reverse osmosis system using UV/persulfate: Kinetics, degradation pathways, and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2018, 352, 283-292.	6.6	39
118	An integrated microalgal growth model and its application to optimize the biomass production of <i>Scenedesmus</i> sp. LX1 in open pond under the nutrient level of domestic secondary effluent. <i>Bioresource Technology</i> , 2013, 144, 445-451.	4.8	38
119	Evidence of ATP assay as an appropriate alternative of MTT assay for cytotoxicity of secondary effluents from WWTPs. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 490-496.	2.9	38
120	Enhanced attached growth of microalgae <i>Scenedesmus</i> . LX1 through ambient bacterial pre-coating of cotton fiber carriers. <i>Bioresource Technology</i> , 2016, 218, 643-649.	4.8	38
121	Elevating the stability of nanowire electrodes by thin polydopamine coating for low-voltage electroporation-disinfection of pathogens in water. <i>Chemical Engineering Journal</i> , 2019, 369, 1005-1013.	6.6	38
122	Characterizing the molecular weight distribution of dissolved organic matter by measuring the contents of electron-donating moieties, UV absorbance, and fluorescence intensity. <i>Environment International</i> , 2020, 137, 105570.	4.8	38
123	Assimilable organic carbon (AOC) variation in reclaimed water: Insight on biological stability evaluation and control for sustainable water reuse. <i>Bioresource Technology</i> , 2018, 254, 290-299.	4.8	37
124	Different bacterial species and their extracellular polymeric substances (EPSs) significantly affected reverse osmosis (RO) membrane fouling potentials in wastewater reclamation. <i>Science of the Total Environment</i> , 2018, 644, 486-493.	3.9	37
125	Shifts of live bacterial community in secondary effluent by chlorine disinfection revealed by Miseq high-throughput sequencing combined with propidium monoazide treatment. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6435-6446.	1.7	36
126	Water Eco-Nexus Cycle System (WaterEcoNet) as a key solution for water shortage and water environment problems in urban areas. <i>Water Cycle</i> , 2020, 1, 71-77.	2.1	36

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127	UV-C irradiation for harmful algal blooms control: A literature review on effectiveness, mechanisms, influencing factors and facilities. <i>Science of the Total Environment</i> , 2020, 723, 137986.	3.9	36
128	Feeding characteristics of a golden alga (<i>Poterioochromonas</i> sp.) grazing on toxic cyanobacterium <i>Microcystis aeruginosa</i> . <i>Water Research</i> , 2009, 43, 2953-2960.	5.3	35
129	Removal of Endocrine-Disrupting Compounds, Estrogenic Activity, and <i>Escherichia coliform</i> from Secondary Effluents in a TiO ₂ -Coated Photocatalytic Reactor. <i>Environmental Engineering Science</i> , 2012, 29, 195-201.	0.8	35
130	Formation of haloacetonitriles and haloacetamides during chlorination of pure culture bacteria. <i>Chemosphere</i> , 2013, 92, 375-381.	4.2	35
131	Formation of haloacetonitriles and haloacetamides and their precursors during chlorination of secondary effluents. <i>Chemosphere</i> , 2016, 144, 297-303.	4.2	35
132	A study of synergistic oxidation between ozone and chlorine on benzalkonium chloride degradation: Reactive species and degradation pathway. <i>Chemical Engineering Journal</i> , 2020, 382, 122856.	6.6	35
133	Simulating and predicting the flux change of reverse osmosis membranes over time during wastewater reclamation caused by organic fouling. <i>Environment International</i> , 2020, 140, 105744.	4.8	35
134	Non-volatile disinfection byproducts are far more toxic to mammalian cells than volatile byproducts. <i>Water Research</i> , 2020, 183, 116080.	5.3	35
135	Chemical identification and acute biotoxicity assessment of gaseous chlorobenzene photodegradation products. <i>Chemosphere</i> , 2008, 73, 1167-1171.	4.2	34
136	UV/chlorine oxidation of the phosphonate antiscalant 1-Hydroxyethane-1, 1-diphosphonic acid (HEDP) used for reverse osmosis processes: Organic phosphorus removal and scale inhibition properties changes. <i>Journal of Environmental Management</i> , 2019, 237, 180-186.	3.8	34
137	Growth and repair potential of three species of bacteria in reclaimed wastewater after UV disinfection. <i>Biomedical and Environmental Sciences</i> , 2011, 24, 400-7.	0.2	34
138	Accumulation characteristics of soluble algal products (SAP) by a freshwater microalga <i>Scenedesmus</i> sp. LX1 during batch cultivation for biofuel production. <i>Bioresource Technology</i> , 2012, 110, 184-189.	4.8	33
139	Domestic wastewater treatment and biofuel production by using microalga <i>Scenedesmus</i> sp. ZTY1. <i>Water Science and Technology</i> , 2014, 69, 2492-2496.	1.2	33
140	Low-voltage alternating current powered polydopamine-protected copper phosphide nanowire for electroporation-disinfection in water. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7347-7354.	5.2	33
141	Degradation of methylisothiazolinone biocide using a carbon fiber felt-based flow-through electrode system (FES) via anodic oxidation. <i>Chemical Engineering Journal</i> , 2020, 384, 123239.	6.6	33
142	Risks, characteristics, and control strategies of disinfection-residual-bacteria (DRB) from the perspective of microbial community structure. <i>Water Research</i> , 2021, 204, 117606.	5.3	33
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