

Hong-Ying Hu

List of Publications by Year in descending order

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334
papers

14,508
citations

18482

62
h-index

33894

99
g-index

344
all docs

344
docs citations

344
times ranked

11174
citing authors

#	ARTICLE	IF	CITATIONS
1	Photolysis of free chlorine and production of reactive radicals in the UV/chlorine system using polychromatic spectrum LEDs as UV sources. <i>Chemosphere</i> , 2022, 286, 131828.	8.2	11
2	Performance of different pretreatment methods on alleviating reverse osmosis membrane fouling caused by soluble microbial products. <i>Journal of Membrane Science</i> , 2022, 641, 119850.	8.2	21
3	Enhanced extracellular polymeric substances production and aggravated membrane fouling potential caused by different disinfection treatment. <i>Journal of Membrane Science</i> , 2022, 642, 120007.	8.2	10
4	Identification of surrogates for rapid monitoring of microbial inactivation by ozone for water reuse: A pilot-scale study. <i>Journal of Hazardous Materials</i> , 2022, 424, 127567.	12.4	11
5	Promotive effects of vacuum-UV/UV (185/254Ånm) light on elimination of recalcitrant trace organic contaminants by UV-AOPs during wastewater treatment and reclamation: A review. <i>Science of the Total Environment</i> , 2022, 818, 151776.	8.0	18
6	Elimination of amino trimethylene phosphonic acid (ATMP) antiscalant in reverse osmosis concentrate using ozone: Anti-precipitation property changes and phosphorus removal. <i>Chemosphere</i> , 2022, 291, 133027.	8.2	14
7	Alleviating the membrane fouling potential of the denitrification filter effluent by regulating the COD/N ratio and carbon source in the process of wastewater reclamation. <i>Separation and Purification Technology</i> , 2022, 284, 120265.	7.9	4
8	Chlorine-resistant bacteria (CRB) in the reverse osmosis system for wastewater reclamation: Isolation, identification and membrane fouling mechanisms. <i>Water Research</i> , 2022, 209, 117966.	11.3	12
9	Comparison of the reverse osmosis membrane fouling behaviors of different types of water samples by modeling the flux change over time. <i>Chemosphere</i> , 2022, 289, 133217.	8.2	8
10	A dose optimization method of disinfection units and synergistic effects of combined disinfection in pilot tests. <i>Water Research</i> , 2022, 211, 118037.	11.3	13
11	Reclaimed water for landscape water replenishment: Threshold nitrogen and phosphorus concentrations values for bloom control. <i>Algal Research</i> , 2022, 62, 102608.	4.6	11
12	Pretreatment for alleviation of RO membrane fouling in dyeing wastewater reclamation. <i>Chemosphere</i> , 2022, 292, 133471.	8.2	15
13	Adsorption of neutral and negatively charged low-molecular-weight carbonyls in reverse osmosis permeates by ion-exchange resins. <i>Water Cycle</i> , 2022, 3, 1-7.	4.0	2
14	Increased risks of antibiotic resistant genes (ARGs) induced by chlorine disinfection in the reverse osmosis system for potable reuse of reclaimed water. <i>Science of the Total Environment</i> , 2022, 815, 152860.	8.0	15
15	Evaluation of Fe(VI)/Fe(II) combined with sludge adsorbents in secondary effluent organic matter removal. <i>Environmental Research</i> , 2022, 208, 112737.	7.5	4
16	Emerging Trends and Prospects for Municipal Wastewater Management in China. <i>ACS ES&T Engineering</i> , 2022, 2, 323-336.	7.6	63
17	Effects of chlorine dose on the composition and characteristics of chlorinated disinfection byproducts in reclaimed water. <i>Science of the Total Environment</i> , 2022, 824, 153739.	8.0	11
18	Modelling the thresholds of nitrogen/phosphorus concentration and hydraulic retention time for bloom control in reclaimed water landscape. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	6.0	12

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19	Novel Quantitative Evaluation of Biotreatment Suitability of Wastewater. <i>Water (Switzerland)</i> , 2022, 14, 1038.	2.7	3
20	The noteworthy chloride ions in reclaimed water: Harmful effects, concentration levels and control strategies. <i>Water Research</i> , 2022, 215, 118271.	11.3	26
21	Evolution of low molecular weight organic compounds during ultrapure water production process: A pilot-scale study. <i>Science of the Total Environment</i> , 2022, 830, 154713.	8.0	16
22	Advanced oxidation of dodecyl dimethyl benzyl ammonium chloride by VUV/UV/chlorine: Synergistic effect, radicals, and degradation pathway. <i>Separation and Purification Technology</i> , 2022, 292, 121012.	7.9	4
23	Electrochemical membrane technology for disinfection. , 2022, , 141-162.		0
24	Removal of methylisothiazolinone biocide from wastewater by VUV/UV advanced oxidation process: Kinetics, mechanisms and toxicity. <i>Journal of Environmental Management</i> , 2022, 315, 115107.	7.8	8
25	Degradation of chloromethylisothiazolinone antimicrobial by Vacuum-Ultraviolet/Ultraviolet irradiation: Reactive species, degradation pathway and toxicity evaluation. <i>Chemosphere</i> , 2022, 302, 134821.	8.2	1
26	Exploring the pressure change of reverse osmosis filtration: Time-course pressure curves and a novel model for mechanism study and NEWater application. <i>Separation and Purification Technology</i> , 2022, 294, 121239.	7.9	1
27	Ultrafiltration significantly increased the scaling potential of municipal secondary effluent on reverse osmosis membranes. <i>Water Research</i> , 2022, 220, 118672.	11.3	8
28	Ozonation of phosphonate antiscalant 1-hydroxyethane-1,1-diphosphonic acid in reverse osmosis concentrate: Kinetics, phosphorus transformation, and anti-precipitation property changes. <i>Separation and Purification Technology</i> , 2022, 297, 121385.	7.9	7
29	Synergistic Nanowire-Enhanced Electroporation and Electrochlorination for Highly Efficient Water Disinfection. <i>Environmental Science & Technology</i> , 2022, 56, 10925-10934.	10.0	26
30	Comparison of disinfection-residual-bacteria (DRB) after seven different kinds of disinfection: Biofilm formation, membrane fouling and mechanisms. <i>Science of the Total Environment</i> , 2022, 844, 157079.	8.0	7
31	Synergistic effects of UV and chlorine in bacterial inactivation for sustainable water reclamation and reuse. <i>Science of the Total Environment</i> , 2022, 845, 157320.	8.0	13
32	Identification of development potentials and routes of wastewater treatment and reuse for Asian countries by key influential factors and prediction models. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105259.	10.8	9
33	Significant increase of assimilable organic carbon (AOC) levels in MBR effluents followed by coagulation, ozonation and combined treatments: Implications for biostability control of reclaimed water. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	12
34	Tracing nitrogenous byproducts during ozonation in the presence of bromide and ammonia using stable isotope labeling and high resolution mass spectrometry. <i>Journal of Hazardous Materials</i> , 2021, 403, 123612.	12.4	12
35	A review on control of harmful algal blooms by plant-derived allelochemicals. <i>Journal of Hazardous Materials</i> , 2021, 401, 123403.	12.4	103
36	Evaluating method and potential risks of chlorine-resistant bacteria (CRB): A review. <i>Water Research</i> , 2021, 188, 116474.	11.3	104

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37	Study on synergistic effect of ozone and monochloramine on the degradation of chloromethylisothiazolinone biocide. <i>Science of the Total Environment</i> , 2021, 754, 141598.	8.0	8
38	Efficient synergistic disinfection by ozone, ultraviolet irradiation and chlorine in secondary effluents. <i>Science of the Total Environment</i> , 2021, 758, 143641.	8.0	53
39	The molecular structures of polysaccharides affect their reverse osmosis membrane fouling behaviors. <i>Journal of Membrane Science</i> , 2021, 625, 118984.	8.2	41
40	Wastewater treatment and reuse situations and influential factors in major Asian countries. <i>Journal of Environmental Management</i> , 2021, 282, 111976.	7.8	43
41	Aggravated biofouling caused by chlorine disinfection in a pilot-scale reverse osmosis treatment system of municipal wastewater. <i>Journal of Water Reuse and Desalination</i> , 2021, 11, 201-211.	2.3	19
42	Applications of UV/H ₂ O ₂ , UV/persulfate, and UV/persulfate/Cu ²⁺ for the elimination of reverse osmosis concentrate generated from municipal wastewater reclamation treatment plant: Toxicity, transformation products, and disinfection byproducts. <i>Science of the Total Environment</i> , 2021, 762, 144161.	8.0	16
43	Enhancing disinfection performance of the carbon fiber-based flow-through electrode system (FES) by alternating pulse current (APC) with low-frequency square wave. <i>Chemical Engineering Journal</i> , 2021, 410, 128399.	12.7	14
44	Revealing the membrane fouling mechanism caused by the denitrification filter effluent during ozonation by model assessment. <i>Journal of Water Reuse and Desalination</i> , 2021, 11, 149-159.	2.3	4
45	Metagenomics analysis of the key functional genes related to biofouling aggravation of reverse osmosis membranes after chlorine disinfection. <i>Journal of Hazardous Materials</i> , 2021, 410, 124602.	12.4	27
46	Effect of ultraviolet disinfection on the fouling of reverse osmosis membranes for municipal wastewater reclamation. <i>Water Research</i> , 2021, 195, 116995.	11.3	41
47	Effects of microbial inactivation approaches on quantity and properties of extracellular polymeric substances in the process of wastewater treatment and reclamation: A review. <i>Journal of Hazardous Materials</i> , 2021, 413, 125283.	12.4	24
48	Degradation of atrazine (ATZ) by ammonia/chlorine synergistic oxidation process. <i>Chemical Engineering Journal</i> , 2021, 415, 128841.	12.7	22
49	Fluorescence analysis of centralized water supply systems: Indications for rapid cross-connection detection and water quality safety guarantee. <i>Chemosphere</i> , 2021, 277, 130290.	8.2	4
50	Characterization of bacterial fluorescence: insight into rapid detection of bacteria in water. <i>Journal of Water Reuse and Desalination</i> , 2021, 11, 621-631.	2.3	10
51	Identifying major contributors to algal blooms in Lake Dianchi by analyzing river-lake water quality correlations in the watershed. <i>Journal of Cleaner Production</i> , 2021, 315, 128144.	9.3	26
52	Application of disk tube reverse osmosis in wastewater treatment: A review. <i>Science of the Total Environment</i> , 2021, 792, 148291.	8.0	32
53	Reduction of cytotoxicity and DNA double-strand break effects of wastewater by ferrate(VI): Roles of oxidation and coagulation. <i>Water Research</i> , 2021, 205, 117667.	11.3	18
54	Risks, characteristics, and control strategies of disinfection-residual-bacteria (DRB) from the perspective of microbial community structure. <i>Water Research</i> , 2021, 204, 117606.	11.3	33

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55	An insight to sequential ozone-chlorine process for synergistic disinfection on reclaimed water: Experimental and modelling studies. <i>Science of the Total Environment</i> , 2021, 793, 148563.	8.0	13
56	Understanding the influence of pre-ozonation on the formation of disinfection byproducts and cytotoxicity during post-chlorination of natural organic matter: UV absorbance and electron-donating moiety of molecular weight fractions. <i>Environment International</i> , 2021, 157, 106793.	10.0	14
57	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.	11.3	40
58	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.	12.7	35
59	Ammonia/chlorine synergistic oxidation process applied to the removal of N, N-diethyl-3-toluamide. <i>Chemical Engineering Journal</i> , 2020, 380, 122409.	12.7	11
60	Enhancement effect among a UV, persulfate, and copper (UV/PS/Cu ²⁺) system on the degradation of nonoxidizing biocide: The kinetics, radical species, and degradation pathway. <i>Chemical Engineering Journal</i> , 2020, 382, 122312.	12.7	32
61	Chlorinated effluent organic matter causes higher toxicity than chlorinated natural organic matter by inducing more intracellular reactive oxygen species. <i>Science of the Total Environment</i> , 2020, 701, 134881.	8.0	23
62	The growth suppression effects of UV-C irradiation on <i>Microcystis aeruginosa</i> and <i>Chlorella vulgaris</i> under solo-culture and co-culture conditions in reclaimed water. <i>Science of the Total Environment</i> , 2020, 713, 136374.	8.0	18
63	Identification of important precursors and theoretical toxicity evaluation of byproducts driving cytotoxicity and genotoxicity in chlorination. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.0	13
64	Elimination of isothiazolinone biocides in reverse osmosis concentrate by ozonation: A two-phase kinetics and a non-linear surrogate model. <i>Journal of Hazardous Materials</i> , 2020, 389, 121898.	12.4	16
65	Mechanism and kinetics of methylisothiazolinone removal by cultivation of <i>Scenedesmus</i> sp. LX1. <i>Journal of Hazardous Materials</i> , 2020, 386, 121959.	12.4	12
66	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.	12.7	33
67	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.	8.0	40
68	Long-term performance and economic evaluation of full-scale MF and RO process – A case study of the changi NEWater Project Phase 2 in Singapore. <i>Water Cycle</i> , 2020, 1, 128-135.	4.0	30
69	Towards the new era of wastewater treatment of China: Development history, current status, and future directions. <i>Water Cycle</i> , 2020, 1, 80-87.	4.0	56
70	Synergetic suppression effects upon the combination of UV-C irradiation and berberine on <i>Microcystis aeruginosa</i> and <i>Scenedesmus obliquus</i> in reclaimed water: Effectiveness and mechanisms. <i>Science of the Total Environment</i> , 2020, 744, 140937.	8.0	5
71	Assessment and mechanisms of microalgae growth inhibition by phosphonates: Effects of intrinsic toxicity and complexation. <i>Water Research</i> , 2020, 186, 116333.	11.3	18
72	Optimization of Combined Submerged Macrophyte Planting Conditions for Inhibiting Algae by Response Surface Methodology. <i>Water (Switzerland)</i> , 2020, 12, 2093.	2.7	3

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73	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.	10.0	35
74	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.	7.1	141
75	Decade-long meteorological and water quality dynamics of northern Lake Dianchi and recommendations on algal bloom mitigation via key influencing factors identification. <i>Ecological Indicators</i> , 2020, 115, 106425.	6.3	15
76	Enhanced <i>Scenedesmus</i> sp. growth in response to gibberellin secretion by symbiotic bacteria. <i>Science of the Total Environment</i> , 2020, 740, 140099.	8.0	21
77	Potential interactions between syntrophic bacteria and methanogens via type IV pili and quorum-sensing systems. <i>Environment International</i> , 2020, 138, 105650.	10.0	41
78	Sustainability analysis of large-scale membrane bioreactor plant. , 2020, , 1-20.		1
79	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.	4.0	36
80	Ammonia-Mediated Bromate Inhibition during Ozonation Promotes the Toxicity Due to Organic Byproduct Transformation. <i>Environmental Science & Technology</i> , 2020, 54, 8926-8937.	10.0	26
81	Non-volatile disinfection byproducts are far more toxic to mammalian cells than volatile byproducts. <i>Water Research</i> , 2020, 183, 116080.	11.3	35
82	Construction and optimization mechanisms of carbon fiber-based flow-through electrode system (FES) with stackable multi-cathode units for water disinfection. <i>Journal of Hazardous Materials</i> , 2020, 399, 123065.	12.4	11
83	Membrane fouling potential of the denitrification filter effluent and the control mechanism by ozonation in the process of wastewater reclamation. <i>Water Research</i> , 2020, 173, 115591.	11.3	20
84	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.	10.0	38
85	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.	11.3	56
86	Comparison of UV/H ₂ O ₂ and UV/PS processes for the treatment of reverse osmosis concentrate from municipal wastewater reclamation. <i>Chemical Engineering Journal</i> , 2020, 388, 124260.	12.7	25
87	Fouling properties of reverse osmosis membranes along the feed channel in an industrial-scale system for wastewater reclamation. <i>Science of the Total Environment</i> , 2020, 713, 136673.	8.0	32
88	Graphene oxide enhanced ozonation of 5-chloro-2-methyl-4-isothiazolin-3-one: Kinetics, degradation pathway, and toxicity. <i>Journal of Hazardous Materials</i> , 2020, 394, 122563.	12.4	23
89	Disinfection performance and mechanism of the carbon fiber-based flow-through electrode system (FES) towards Gram-negative and Gram-positive bacteria. <i>Electrochimica Acta</i> , 2020, 341, 135993.	5.2	24
90	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.	8.0	36

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91	Enhanced simultaneous removal of nitrogen, phosphorous, hardness, and methylisothiazolinone from reverse osmosis concentrate by suspended-solid phase cultivation of <i>Scenedesmus</i> sp. LX1. <i>Environment International</i> , 2020, 139, 105685.	10.0	9
92	Degradation of non-oxidizing biocide benzalkonium chloride and bulk dissolved organic matter in reverse osmosis concentrate by UV/chlorine oxidation. <i>Journal of Hazardous Materials</i> , 2020, 396, 122669.	12.4	11
93	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.	8.0	58
94	Screening and characterization of mixotrophic sulfide oxidizing bacteria for odorous surface water bioremediation. <i>Bioresource Technology</i> , 2019, 290, 121721.	9.6	32
95	Effects of chlorine disinfection on the membrane fouling potential of bacterial strains isolated from fouled reverse osmosis membranes. <i>Science of the Total Environment</i> , 2019, 693, 133579.	8.0	32
96	Enhanced biomass production and fatty acid accumulation in <i>Scenedesmus</i> sp. LX1 treated with 6-benzylaminopurine. <i>Algal Research</i> , 2019, 44, 101714.	4.6	7
97	Influence of UV irradiation on the toxicity of chlorinated water to mammalian cells: Toxicity drivers, toxicity changes and toxicity surrogates. <i>Water Research</i> , 2019, 165, 115024.	11.3	19
98	Combination of catalytic ozonation by regenerated granular activated carbon (rGAC) and biological activated carbon in the advanced treatment of textile wastewater for reclamation. <i>Chemosphere</i> , 2019, 231, 369-377.	8.2	30
99	Remediation of simulated malodorous surface water by columnar air-cathode microbial fuel cells. <i>Science of the Total Environment</i> , 2019, 687, 287-296.	8.0	31
100	Attached cultivation of <i>Scenedesmus</i> sp. LX1 on selected solids and the effect of surface properties on attachment. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	12
101	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.	11.3	121
102	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.	6.0	51
103	The "Fingerprint" of a freshwater microalga <i>Scenedesmus</i> sp. LX1: Visualizing the composition of its soluble algal products. <i>Chinese Chemical Letters</i> , 2019, 30, 1126-1128.	9.0	1
104	Efficient nanowire-assisted electroporation and cellular inclusion release of microalgal cells achieved by a low voltage. <i>Science of the Total Environment</i> , 2019, 667, 191-196.	8.0	6
105	The growth model and its application for microalgae cultured in a suspended-solid phase photobioreactor (ssPBR) for economical biomass and bioenergy production. <i>Algal Research</i> , 2019, 39, 101463.	4.6	12
106	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.	8.0	72
107	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.	10.3	33
108	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.	12.7	38

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109	The light-dependent lethal effects of 1,2-benzisothiazol-3(2H)-one and its biodegradation by freshwater microalgae. <i>Science of the Total Environment</i> , 2019, 672, 563-571.	8.0	8
110	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.	8.2	69
111	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.	10.0	54
112	Chlorine disinfection significantly aggravated the biofouling of reverse osmosis membrane used for municipal wastewater reclamation. <i>Water Research</i> , 2019, 154, 246-257.	11.3	95
113	Heterotrophic cultivation of microalgae in straw lignocellulose hydrolysate for production of high-value biomass rich in polyunsaturated fatty acids (PUFA). <i>Chemical Engineering Journal</i> , 2019, 367, 37-44.	12.7	30
114	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.	7.8	34
115	Inhibition of bromate formation by reduced graphene oxide supported cerium dioxide during ozonation of bromide-containing water. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	11
116	Quantifying chlorine-reactive substances to establish a chlorine decay model of reclaimed water using chemical chlorine demands. <i>Chemical Engineering Journal</i> , 2019, 356, 791-798.	12.7	22
117	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.	8.2	92
118	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.	12.7	53
119	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.	11.3	43
120	The application of UV/PS oxidation for removal of a quaternary ammonium compound of dodecyl trimethyl ammonium chloride (DTAC): The kinetics and mechanism. <i>Science of the Total Environment</i> , 2019, 655, 1261-1269.	8.0	28
121	Nutrient Recovery from Digestate of Anaerobic Digestion of Livestock Manure: a Review. <i>Current Pollution Reports</i> , 2018, 4, 74-83.	6.6	102
122	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.	9.6	37
123	An efficient microalgal biomass harvesting method with a high concentration ratio using the polymer-surfactant aggregates process. <i>Algal Research</i> , 2018, 30, 86-93.	4.6	9
124	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.	5.7	45
125	Impact of water quality parameters on bacteria inactivation by low-voltage electroporation: mechanism and control. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 872-881.	2.4	17
126	Photolysis and photooxidation of typical gaseous VOCs by UV Irradiation: Removal performance and mechanisms. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.0	28

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127	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.	9.6	86
128	Elimination of chlorine-refractory carbamazepine by breakpoint chlorination: Reactive species and oxidation byproducts. <i>Water Research</i> , 2018, 129, 115-122.	11.3	43
129	Response of microbial community structure and metabolic profile to shifts of inlet VOCs in a gas-phase biofilter. <i>AMB Express</i> , 2018, 8, 160.	3.0	15
130	Cell Transport Prompts the Performance of Low-Voltage Electroporation for Cell Inactivation. <i>Scientific Reports</i> , 2018, 8, 15832.	3.3	29
131	Removal Processes of Carbamazepine in Constructed Wetlands Treating Secondary Effluent: A Review. <i>Water (Switzerland)</i> , 2018, 10, 1351.	2.7	16
132	Quantitative Detection of Clogging in Horizontal Subsurface Flow Constructed Wetland Using the Resistivity Method. <i>Water (Switzerland)</i> , 2018, 10, 1334.	2.7	7
133	Interaction between 1,2-benzisothiazol-3(2H)-one and microalgae: Growth inhibition and detoxification mechanism. <i>Aquatic Toxicology</i> , 2018, 205, 66-75.	4.0	15
134	Adsorption of Isothiazolone Biocides in Textile Reverse Osmosis Concentrate by Powdered Activated Carbon. <i>Water (Switzerland)</i> , 2018, 10, 532.	2.7	4
135	Ferrous Oxide Significantly Affected Production of Soluble Microbial Products and Extracellular Polymeric Substances in Anaerobic Methanogenesis Reactors. <i>Frontiers in Microbiology</i> , 2018, 9, 2376.	3.5	20
136	Water Meta-cycle model and indicators for industrial processes- the pulp & paper case in China. <i>Resources, Conservation and Recycling</i> , 2018, 139, 228-236.	10.8	12
137	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.	10.3	59
138	Sustainability evaluation and implication of a large scale membrane bioreactor plant. <i>Bioresource Technology</i> , 2018, 269, 246-254.	9.6	25
139	Tolerance and resistance characteristics of microalgae <i>Scenedesmus</i> sp. LX1 to methylisothiazolinone. <i>Environmental Pollution</i> , 2018, 241, 200-211.	7.5	20
140	A new era of straw-based pulping? Evidence from a carbon metabolism perspective. <i>Journal of Cleaner Production</i> , 2018, 193, 327-337.	9.3	20
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142	Biotoxicity of Water-Soluble UV Photodegradation Products for 10 Typical Gaseous VOCs. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1520.	2.6	7
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#	ARTICLE	IF	CITATIONS
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152	Solution to water resource scarcity: water reclamation and reuse. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5095-5097.	5.3	19
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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278	Effects of operating conditions on THMs and HAAs formation during wastewater chlorination. <i>Journal of Hazardous Materials</i> , 2009, 168, 1290-1295.	12.4	61
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