Hong-Ying Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

329 papers	10,140 citations	53 h-index	83 g-index
344 ext. papers	12,208 ext. citations	8.3 avg, IF	6.71 L-index

#	Paper	IF	Citations
329	Adsorption of neutral and negatively charged low-molecular-weight carbonyls in reverse osmosis permeates by ion-exchange resins. *Water Cycle*, **2022**, 3, 1-7	6.8	0
328	Increased risks of antibiotic resistant genes (ARGs) induced by chlorine disinfection in the reverse osmosis system for potable reuse of reclaimed water.. *Science of the Total Environment*, **2022**, 815, 152860	10.2	0
327	Evaluation of Fe(VI)/Fe(II) combined with sludge adsorbents in secondary effluent organic matter removal.. *Environmental Research*, **2022**, 208, 112737	7.9	0
326	Effects of chlorine dose on the composition and characteristics of chlorinated disinfection byproducts in reclaimed water.. *Science of the Total Environment*, **2022**, 824, 153739	10.2	1
325	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. *Separation and Purification Technology*, **2022**, 284, 120265	8.3	1
324	A dose optimization method of disinfection units and synergistic effects of combined disinfection in pilot tests.. *Water Research*, **2022**, 211, 118037	12.5	1
323	Reclaimed water for landscape water replenishment: Threshold nitrogen and phosphorus concentrations values for bloom control. *Algal Research*, **2022**, 62, 102608	5	0
322	Enhanced extracellular polymeric substances production and aggravated membrane fouling potential caused by different disinfection treatment. *Journal of Membrane Science*, **2022**, 642, 120007	9.6	2
321	Photolysis of free chlorine and production of reactive radicals in the UV/chlorine system using polychromatic spectrum LEDs as UV sources. *Chemosphere*, **2022**, 286, 131828	8.4	3
320	Performance of different pretreatment methods on alleviating reverse osmosis membrane fouling caused by soluble microbial products. *Journal of Membrane Science*, **2022**, 641, 119850	9.6	4
319	Modelling the thresholds of nitrogen/phosphorus concentration and hydraulic retention time for bloom control in reclaimed water landscape. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	0
318	Novel Quantitative Evaluation of Biotreatment Suitability of Wastewater. *Water (Switzerland)*, **2022** , 14, 1038	3	
317	The noteworthy chloride ions in reclaimed water: Harmful effects, concentration levels and control strategies.. *Water Research*, **2022**, 215, 118271	12.5	0
316	Evolution of low molecular weight organic compounds during ultrapure water production process: A pilot-scale study.. *Science of the Total Environment*, **2022**, 830, 154713	10.2	1
315	Advanced oxidation of dodecyl dimethyl benzyl ammonium chloride by VUV/UV/chlorine: Synergistic effect, radicals, and degradation pathway. *Separation and Purification Technology*, **2022**, 292, 121012	8.3	0
314	Electrochemical membrane technology for disinfection **2022**, 141-162		
313	Removal of methylisothiazolinone biocide from wastewater by VUV/UV advanced oxidation process: Kinetics, mechanisms and toxicity.. *Journal of Environmental Management*, **2022**, 315, 115107	7.9	0

312	Degradation of chloromethylisothiazolinone antimicrobial by Vacuum-Ultraviolet/Ultraviolet irradiation: Reactive species, degradation pathway and toxicity evaluation.. *Chemosphere*, **2022**, 302, 134821	8.4	
311	Exploring the pressure change of reverse osmosis filtration: Time-course pressure curves and a novel model for mechanism study and NEWater application. *Separation and Purification Technology*, **2022**, 294, 121239	8.3	1
310	Ultrafiltration significantly increased the scaling potential of municipal secondary effluent on reverse osmosis membranes. *Water Research*, **2022**, 220, 118672	12.5	0
309	Ozonation of phosphonate antiscalant 1-hydroxyethane-1,1-diphosphonic acid in reverse osmosis concentrate: kinetics, phosphorus transformation, and anti-precipitation property changes. *Separation and Purification Technology*, **2022**, 121385	8.3	0
308	Promotive effects of vacuum-UV/UV (185/254□hm) light on elimination of recalcitrant trace organic contaminants by UV-AOPs during wastewater treatment and reclamation: A review. *Science of the Total Environment*, **2021**, 818, 151776	10.2	2
307	Elimination of amino trimethylene phosphonic acid (ATMP) antiscalant in reverse osmosis concentrate using ozone: Anti-precipitation property changes and phosphorus removal. *Chemosphere*, **2021**, 133027	8.4	0
306	Chlorine-resistant bacteria (CRB) in the reverse osmosis system for wastewater reclamation: Isolation, identification and membrane fouling mechanisms.. *Water Research*, **2021**, 209, 117966	12.5	1
305	Comparison of the reverse osmosis membrane fouling behaviors of different types of water samples by modeling the flux change over time.. *Chemosphere*, **2021**, 289, 133217	8.4	1
304	Pretreatment for alleviation of RO membrane fouling in dyeing wastewater reclamation.. *Chemosphere*, **2021**, 292, 133471	8.4	1
303	Identification of surrogates for rapid monitoring of microbial inactivation by ozone for water reuse: A pilot-scale study. *Journal of Hazardous Materials*, **2021**, 424, 127567	12.8	1
302	Wastewater treatment and reuse situations and influential factors in major Asian countries. *Journal of Environmental Management*, **2021**, 282, 111976	7.9	15
301	Applications of UV/HO, UV/persulfate, and UV/persulfate/Cu for the elimination of reverse osmosis concentrate generated from municipal wastewater reclamation treatment plant: Toxicity, transformation products, and disinfection byproducts. *Science of the Total Environment*, **2021**, 762, 144161	10.2	7
300	Enhancing disinfection performance of the carbon fiber-based flow-through electrode system (FES) by alternating pulse current (APC) with low-frequency square wave. *Chemical Engineering Journal*, **2021**, 410, 128399	14.7	4
299	Metagenomics analysis of the key functional genes related to biofouling aggravation of reverse osmosis membranes after chlorine disinfection. *Journal of Hazardous Materials*, **2021**, 410, 124602	12.8	6
298	Effect of ultraviolet disinfection on the fouling of reverse osmosis membranes for municipal wastewater reclamation. *Water Research*, **2021**, 195, 116995	12.5	17
297	Effects of microbial inactivation approaches on quantity and properties of extracellular polymeric substances in the process of wastewater treatment and reclamation: A review. *Journal of Hazardous Materials*, **2021**, 413, 125283	12.8	10
296	Degradation of atrazine (ATZ) by ammonia/chlorine synergistic oxidation process. *Chemical Engineering Journal*, **2021**, 415, 128841	14.7	5
295	Identification of development potentials and routes of wastewater treatment and reuse for Asian countries by key influential factors and prediction models. *Resources, Conservation and Recycling*, **2021**, 168, 105259	11.9	3

294	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. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	7
293	Tracing nitrogenous byproducts during ozonation in the presence of bromide and ammonia using stable isotope labeling and high resolution mass spectrometry. *Journal of Hazardous Materials*, **2021**, 403, 123612	12.8	5
292	A review on control of harmful algal blooms by plant-derived allelochemicals. *Journal of Hazardous Materials*, **2021**, 401, 123403	12.8	31
291	Evaluating method and potential risks of chlorine-resistant bacteria (CRB): A review. *Water Research*, **2021**, 188, 116474	12.5	35
290	Study on synergistic effect of ozone and monochloramine on the degradation of chloromethylisothiazolinone biocide. *Science of the Total Environment*, **2021**, 754, 141598	10.2	6
289	Efficient synergistic disinfection by ozone, ultraviolet irradiation and chlorine in secondary effluents. *Science of the Total Environment*, **2021**, 758, 143641	10.2	18
288	The molecular structures of polysaccharides affect their reverse osmosis membrane fouling behaviors. *Journal of Membrane Science*, **2021**, 625, 118984	9.6	12
287	Fluorescence analysis of centralized water supply systems: Indications for rapid cross-connection detection and water quality safety guarantee. *Chemosphere*, **2021**, 277, 130290	8.4	2
286	Identifying major contributors to algal blooms in Lake Dianchi by analyzing river-lake water quality correlations in the watershed. *Journal of Cleaner Production*, **2021**, 315, 128144	10.3	5
285	Application of disk tube reverse osmosis in wastewater treatment: A review. *Science of the Total Environment*, **2021**, 792, 148291	10.2	9
284	Reduction of cytotoxicity and DNA double-strand break effects of wastewater by ferrate(VI): Roles of oxidation and coagulation. *Water Research*, **2021**, 205, 117667	12.5	3
283	Risks, characteristics, and control strategies of disinfection-residual-bacteria (DRB) from the perspective of microbial community structure. *Water Research*, **2021**, 204, 117606	12.5	2
282	An insight to sequential ozone-chlorine process for synergistic disinfection on reclaimed water: Experimental and modelling studies. *Science of the Total Environment*, **2021**, 793, 148563	10.2	3
281	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. *Environment International*, **2021**, 157, 106793	12.9	1
280	Simulating and predicting the flux change of reverse osmosis membranes over time during wastewater reclamation caused by organic fouling. *Environment International*, **2020**, 140, 105744	12.9	20
279	Improvement in municipal wastewater treatment alters lake nitrogen to phosphorus ratios in populated regions. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 11566-11572	11.5	59
278	Decade-long meteorological and water quality dynamics of northern Lake Dianchi and recommendations on algal bloom mitigation via key influencing factors identification. *Ecological Indicators*, **2020**, 115, 106425	5.8	3
277	Enhanced Scenedesmus sp. growth in response to gibberellin secretion by symbiotic bacteria. *Science of the Total Environment*, **2020**, 740, 140099	10.2	4

276	Potential interactions between syntrophic bacteria and methanogens via type IV pili and quorum-sensing systems. *Environment International*, **2020**, 138, 105650	12.9	16
275	Sustainability analysis of large-scale membrane bioreactor plant **2020**, 1-20		1
274	Water Eco-Nexus Cycle System (WaterEcoNet) as a key solution for water shortage and water environment problems in urban areas. *Water Cycle*, **2020**, 1, 71-77	6.8	16
273	Ammonia-Mediated Bromate Inhibition during Ozonation Promotes the Toxicity Due to Organic Byproduct Transformation. *Environmental Science & Technology*, **2020**, 54, 8926-8937	10.3	15
272	Non-volatile disinfection byproducts are far more toxic to mammalian cells than volatile byproducts. *Water Research*, **2020**, 183, 116080	12.5	9
271	Construction and optimization mechanisms of carbon fiber-based flow-through electrode system (FES) with stackable multi-cathode units for water disinfection. *Journal of Hazardous Materials*, **2020**, 399, 123065	12.8	6
270	Membrane fouling potential of the denitrification filter effluent and the control mechanism by ozonation in the process of wastewater reclamation. *Water Research*, **2020**, 173, 115591	12.5	11
269	Characterizing the molecular weight distribution of dissolved organic matter by measuring the contents of electron-donating moieties, UV absorbance, and fluorescence intensity. *Environment International*, **2020**, 137, 105570	12.9	22
268	Evaluation and prospects of nanomaterial-enabled innovative processes and devices for water disinfection: A state-of-the-art review. *Water Research*, **2020**, 173, 115581	12.5	31
267	Comparison of UV/H2O2 and UV/PS processes for the treatment of reverse osmosis concentrate from municipal wastewater reclamation. *Chemical Engineering Journal*, **2020**, 388, 124260	14.7	13
266	Fouling properties of reverse osmosis membranes along the feed channel in an industrial-scale system for wastewater reclamation. *Science of the Total Environment*, **2020**, 713, 136673	10.2	15
265	Graphene oxide enhanced ozonation of 5-chloro-2-methyl-4-isothiazolin-3-one: Kinetics, degradation pathway, and toxicity. *Journal of Hazardous Materials*, **2020**, 394, 122563	12.8	12
264	Disinfection performance and mechanism of the carbon fiber-based flow-through electrode system (FES) towards Gram-negative and Gram-positive bacteria. *Electrochimica Acta*, **2020**, 341, 135993	6.7	17
263	UV-C irradiation for harmful algal blooms control: A literature review on effectiveness, mechanisms, influencing factors and facilities. *Science of the Total Environment*, **2020**, 723, 137986	10.2	13
262	Chlorinated effluent organic matter causes higher toxicity than chlorinated natural organic matter by inducing more intracellular reactive oxygen species. *Science of the Total Environment*, **2020**, 701, 134881	10.2	12
261	The growth suppression effects of UV-C irradiation on Microcystis aeruginosa and Chlorella vulgaris under solo-culture and co-culture conditions in reclaimed water. *Science of the Total Environment*, **2020**, 713, 136374	10.2	8
260	Identification of important precursors and theoretical toxicity evaluation of byproducts driving cytotoxicity and genotoxicity in chlorination. *Frontiers of Environmental Science and Engineering*, **2020**, 14, 1	5.8	10
259	Elimination of isothiazolinone biocides in reverse osmosis concentrate by ozonation: A two-phase kinetics and a non-linear surrogate model. *Journal of Hazardous Materials*, **2020**, 389, 121898	12.8	9

258	Mechanism and kinetics of methylisothiazolinone removal by cultivation of Scenedesmus sp. LX1. *Journal of Hazardous Materials*, **2020**, 386, 121959	12.8	5
257	Degradation of methylisothiazolinone biocide using a carbon fiber felt-based flow-through electrode system (FES) via anodic oxidation. *Chemical Engineering Journal*, **2020**, 384, 123239	14.7	11
256	Bacterial removal performance and community changes during advanced treatment process: A case study at a full-scale water reclamation plant. *Science of the Total Environment*, **2020**, 705, 135811	10.2	21
255	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. *Water Cycle*, **2020**, 1, 128-135	6.8	15
254	Towards the new era of wastewater treatment of China: Development history, current status, and future directions. *Water Cycle*, **2020**, 1, 80-87	6.8	16
253	Synergetic suppression effects upon the combination of UV-C irradiation and berberine on Microcystis aeruginosa and Scenedesmus obliquus in reclaimed water: Effectiveness and mechanisms. *Science of the Total Environment*, **2020**, 744, 140937	10.2	2
252	Assessment and mechanisms of microalgae growth inhibition by phosphonates: Effects of intrinsic toxicity and complexation. *Water Research*, **2020**, 186, 116333	12.5	6
251	Optimization of Combined Submerged Macrophyte Planting Conditions for Inhibiting Algae by Response Surface Methodology. *Water (Switzerland)*, **2020**, 12, 2093	3	0
250	Comparison of carbonized and graphitized carbon fiber electrodes under flow-through electrode system (FES) for high-efficiency bacterial inactivation. *Water Research*, **2020**, 168, 115150	12.5	24
249	A study of synergistic oxidation between ozone and chlorine on benzalkonium chloride degradation: Reactive species and degradation pathway. *Chemical Engineering Journal*, **2020**, 382, 122856	14.7	21
248	Ammonia/chlorine synergistic oxidation process applied to the removal of N, N-diethyl-3-toluamide. *Chemical Engineering Journal*, **2020**, 380, 122409	14.7	8
247	Enhancement effect among a UV, persulfate, and copper (UV/PS/Cu2+) system on the degradation of nonoxidizing biocide: The kinetics, radical species, and degradation pathway. *Chemical Engineering Journal*, **2020**, 382, 122312	14.7	20
246	Enhanced simultaneous removal of nitrogen, phosphorous, hardness, and methylisothiazolinone from reverse osmosis concentrate by suspended-solid phase cultivation of Scenedesmus sp. LX1. *Environment International*, **2020**, 139, 105685	12.9	3
245	Degradation of non-oxidizing biocide benzalkonium chloride and bulk dissolved organic matter in reverse osmosis concentrate by UV/chlorine oxidation. *Journal of Hazardous Materials*, **2020**, 396, 122669	12.8	7
244	Influence of UV irradiation on the toxicity of chlorinated water to mammalian cells: Toxicity drivers, toxicity changes and toxicity surrogates. *Water Research*, **2019**, 165, 115024	12.5	11
243	Combination of catalytic ozonation by regenerated granular activated carbon (rGAC) and biological activated carbon in the advanced treatment of textile wastewater for reclamation. *Chemosphere*, **2019**, 231, 369-377	8.4	17
242	Remediation of simulated malodorous surface water by columnar air-cathode microbial fuel cells. *Science of the Total Environment*, **2019**, 687, 287-296	10.2	19
241	Attached cultivation of Scenedesmus sp. LX1 on selected solids and the effect of surface properties on attachment. *Frontiers of Environmental Science and Engineering*, **2019**, 13, 1	5.8	7

240	Underestimated risk from ozonation of wastewater containing bromide: Both organic byproducts and bromate contributed to the toxicity increase. *Water Research*, **2019**, 162, 43-52	12.5	75
239	Ozonation as an efficient pretreatment method to alleviate reverse osmosis membrane fouling caused by complexes of humic acid and calcium ion. *Frontiers of Environmental Science and Engineering*, **2019**, 13, 1	5.8	30
238	The fingerprint of a freshwater microalga Scenedesmus sp. LX1: Visualizing the composition of its soluble algal products. *Chinese Chemical Letters*, **2019**, 30, 1126-1128	8.1	1
237	Efficient nanowire-assisted electroporation and cellular inclusion release of microalgal cells achieved by a low voltage. *Science of the Total Environment*, **2019**, 667, 191-196	10.2	6
236	The growth model and its application for microalgae cultured in a suspended-solid phase photobioreactor (ssPBR) for economical biomass and bioenergy production. *Algal Research*, **2019**, 39, 101463	5	5
235	Meteorological factors and water quality changes of Plateau Lake Dianchi in China (1990-2015) and their joint influences on cyanobacterial blooms. *Science of the Total Environment*, **2019**, 665, 406-418	10.2	31
234	Low-voltage alternating current powered polydopamine-protected copper phosphide nanowire for electroporation-disinfection in water. *Journal of Materials Chemistry A*, **2019**, 7, 7347-7354	13	19
233	Elevating the stability of nanowire electrodes by thin polydopamine coating for low-voltage electroporation-disinfection of pathogens in water. *Chemical Engineering Journal*, **2019**, 369, 1005-1013	14.7	25
232	The light-dependent lethal effects of 1,2-benzisothiazol-3(2H)-one and its biodegradation by freshwater microalgae. *Science of the Total Environment*, **2019**, 672, 563-571	10.2	5
231	Effect of oxygen supply strategy on nitrogen removal of biochar-based vertical subsurface flow constructed wetland: Intermittent aeration and tidal flow. *Chemosphere*, **2019**, 223, 366-374	8.4	44
230	Carbon Fiber-Based Flow-Through Electrode System (FES) for Water Disinfection via Direct Oxidation Mechanism with a Sequential Reduction-Oxidation Process. *Environmental Science & Technology*, **2019**, 53, 3238-3249	10.3	26
229	Chlorine disinfection significantly aggravated the biofouling of reverse osmosis membrane used for municipal wastewater reclamation. *Water Research*, **2019**, 154, 246-257	12.5	53
228	Heterotrophic cultivation of microalgae in straw lignocellulose hydrolysate for production of high-value biomass rich in polyunsaturated fatty acids (PUFA). *Chemical Engineering Journal*, **2019**, 367, 37-44	14.7	22
227	Start up of partial nitritation-anammox process using intermittently aerated sequencing batch reactor: Performance and microbial community dynamics. *Science of the Total Environment*, **2019**, 647, 1188-1198	10.2	39
226	Screening and characterization of mixotrophic sulfide oxidizing bacteria for odorous surface water bioremediation. *Bioresource Technology*, **2019**, 290, 121721	11	19
225	Effects of chlorine disinfection on the membrane fouling potential of bacterial strains isolated from fouled reverse osmosis membranes. *Science of the Total Environment*, **2019**, 693, 133579	10.2	12
224	Enhanced biomass production and fatty acid accumulation in Scenedesmus sp. LX1 treated with 6-benzylaminopurine. *Algal Research*, **2019**, 44, 101714	5	2
223	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. *Journal of Environmental Management*, **2019**, 237, 180-186	7.9	18

222	Inhibition of bromate formation by reduced graphene oxide supported cerium dioxide during ozonation of bromide-containing water. *Frontiers of Environmental Science and Engineering*, **2019**, 13, 1	5.8	8
221	Quantifying chlorine-reactive substances to establish a chlorine decay model of reclaimed water using chemical chlorine demands. *Chemical Engineering Journal*, **2019**, 356, 791-798	14.7	16
220	Nutrient recovery from pig manure digestate using electrodialysis reversal: Membrane fouling and feasibility of long-term operation. *Journal of Membrane Science*, **2019**, 573, 560-569	9.6	58
219	Advanced treatment of bio-treated dyeing and finishing wastewater using ozone-biological activated carbon: A study on the synergistic effects. *Chemical Engineering Journal*, **2019**, 359, 168-175	14.7	32
218	2-Phosphonobutane-1,2,4-tricarboxylic acid (PBTCA) degradation by ozonation: Kinetics, phosphorus transformation, anti-precipitation property changes and phosphorus removal. *Water Research*, **2019**, 148, 334-343	12.5	25
217	The application of UV/PS oxidation for removal of a quaternary ammonium compound of dodecyl trimethyl ammonium chloride (DTAC): The kinetics and mechanism. *Science of the Total Environment* , **2019**, 655, 1261-1269	10.2	17
216	Nutrient Recovery from Digestate of Anaerobic Digestion of Livestock Manure: a Review. *Current Pollution Reports*, **2018**, 4, 74-83	7.6	62
215	Assimilable organic carbon (AOC) variation in reclaimed water: Insight on biological stability evaluation and control for sustainable water reuse. *Bioresource Technology*, **2018**, 254, 290-299	11	25
214	An efficient microalgal biomass harvesting method with a high concentration ratio using the polymer-surfactant aggregates process. *Algal Research*, **2018**, 30, 86-93	5	7
213	Effects of nitrogen and phosphorus concentrations on the growth of microalgae Scenedesmus. LX1 in suspended-solid phase photobioreactors (ssPBR). *Biomass and Bioenergy*, **2018**, 109, 47-53	5.3	34
212	Impact of water quality parameters on bacteria inactivation by low-voltage electroporation: mechanism and control. *Environmental Science: Water Research and Technology*, **2018**, 4, 872-881	4.2	14
211	Photolysis and photooxidation of typical gaseous VOCs by UV Irradiation: Removal performance and mechanisms. *Frontiers of Environmental Science and Engineering*, **2018**, 12, 1	5.8	16
210	Enhanced growth and fatty acid accumulation of microalgae Scenedesmus sp. LX1 by two types of auxin. *Bioresource Technology*, **2018**, 247, 561-567	11	52
209	Biotoxicity of Water-Soluble UV Photodegradation Products for 10 Typical Gaseous VOCs. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	7
208	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. *Chemical Engineering Journal*, **2018**, 352, 283-292	14.7	24
207	Synergistic effect of combined UV-LED and chlorine treatment on Bacillus subtilis spore inactivation. *Science of the Total Environment*, **2018**, 639, 1233-1240	10.2	47
206	Exposure to solar light reduces cytotoxicity of sewage effluents to mammalian cells: Roles of reactive oxygen and nitrogen species. *Water Research*, **2018**, 143, 570-578	12.5	22
205	Different bacterial species and their extracellular polymeric substances (EPSs) significantly affected reverse osmosis (RO) membrane fouling potentials in wastewater reclamation. *Science of the Total Environment*, **2018**, 644, 486-493	10.2	24

204	The characteristics and influencing factors of the attached microalgae cultivation: A review. *Renewable and Sustainable Energy Reviews*, **2018**, 94, 1110-1119	16.2	69
203	Microalgal attachment and attached systems for biomass production and wastewater treatment. *Renewable and Sustainable Energy Reviews*, **2018**, 92, 331-342	16.2	62
202	Electron donating capacity reduction of dissolved organic matter by solar irradiation reduces the cytotoxicity formation potential during wastewater chlorination. *Water Research*, **2018**, 145, 94-102	12.5	31
201	Enhanced microalgae growth through stimulated secretion of indole acetic acid by symbiotic bacteria. *Algal Research*, **2018**, 33, 345-351	5	33
200	Elimination of chlorine-refractory carbamazepine by breakpoint chlorination: Reactive species and oxidation byproducts. *Water Research*, **2018**, 129, 115-122	12.5	32
199	Response of microbial community structure and metabolic profile to shifts of inlet VOCs in a gas-phase biofilter. *AMB Express*, **2018**, 8, 160	4.1	11
198	Cell Transport Prompts the Performance of Low-Voltage Electroporation for Cell Inactivation. *Scientific Reports*, **2018**, 8, 15832	4.9	20
197	Removal Processes of Carbamazepine in Constructed Wetlands Treating Secondary Effluent: A Review. *Water (Switzerland)*, **2018**, 10, 1351	3	8
196	Quantitative Detection of Clogging in Horizontal Subsurface Flow Constructed Wetland Using the Resistivity Method. *Water (Switzerland)*, **2018**, 10, 1334	3	5
195	Interaction between 1,2-benzisothiazol-3(2H)-one and microalgae: Growth inhibition and detoxification mechanism. *Aquatic Toxicology*, **2018**, 205, 66-75	5.1	6
194	Adsorption of Isothiazolone Biocides in Textile Reverse Osmosis Concentrate by Powdered Activated Carbon. *Water (Switzerland)*, **2018**, 10, 532	3	2
193	Ferroferric Oxide Significantly Affected Production of Soluble Microbial Products and Extracellular Polymeric Substances in Anaerobic Methanogenesis Reactors. *Frontiers in Microbiology*, **2018**, 9, 2376	5.7	9
192	Water Meta-cycle model and indicators for industrial processes- the pulp & paper case in China. *Resources, Conservation and Recycling*, **2018**, 139, 228-236	11.9	10
191	A Cu3P nanowire enabling high-efficiency, reliable, and energy-efficient low-voltage electroporation-inactivation of pathogens in water. *Journal of Materials Chemistry A*, **2018**, 6, 18813-18820	11	39
190	Sustainability evaluation and implication of a large scale membrane bioreactor plant. *Bioresource Technology*, **2018**, 269, 246-254	11	21
189	Tolerance and resistance characteristics of microalgae Scenedesmus sp. LX1 to methylisothiazolinone. *Environmental Pollution*, **2018**, 241, 200-211	9.3	15
188	A new era of straw-based pulping? Evidence from a carbon metabolism perspective. *Journal of Cleaner Production*, **2018**, 193, 327-337	10.3	12
187	Potential risks from UV/HO oxidation and UV photocatalysis: A review of toxic, assimilable, and sensory-unpleasant transformation products. *Water Research*, **2018**, 141, 109-125	12.5	89

186	Coagulation increased the growth potential of various species bacteria of the effluent of a MBR for the treatment of domestic wastewater. *Environmental Science and Pollution Research*, **2017**, 24, 5126-5133	5.1	11
185	Effects of chemical cleaning on RO membrane inorganic, organic and microbial foulant removal in a full-scale plant for municipal wastewater reclamation. *Water Research*, **2017**, 113, 1-10	12.5	64
184	Formation and control of disinfection byproducts and toxicity during reclaimed water chlorination: A review. *Journal of Environmental Sciences*, **2017**, 58, 51-63	6.4	110
183	Microalgae-based advanced municipal wastewater treatment for reuse in water bodies. *Applied Microbiology and Biotechnology*, **2017**, 101, 2659-2675	5.7	91
182	A novel model simulating reclaimed water disinfection by ozonation. *Separation and Purification Technology*, **2017**, 179, 45-52	8.3	11
181	UV/chlorine as an advanced oxidation process for the degradation of benzalkonium chloride: Synergistic effect, transformation products and toxicity evaluation. *Water Research*, **2017**, 114, 246-253	12.5	75
180	Degradation of polyvinyl alcohol (PVA) by UV/chlorine oxidation: Radical roles, influencing factors, and degradation pathway. *Water Research*, **2017**, 124, 381-387	12.5	68
179	Fouling characteristics and fouling control of reverse osmosis membranes for desalination of dyeing wastewater with high chemical oxygen demand. *Desalination*, **2017**, 419, 1-7	10.3	32
178	Using straw hydrolysate to cultivate Chlorella pyrenoidosa for high-value biomass production and the nitrogen regulation for biomass composition. *Bioresource Technology*, **2017**, 244, 1254-1260	11	14
177	Increase of cytotoxicity during wastewater chlorination: Impact factors and surrogates. *Journal of Hazardous Materials*, **2017**, 324, 681-690	12.8	50
176	Attached microalgae cultivation and nutrients removal in a novel capillary-driven photo-biofilm reactor. *Algal Research*, **2017**, 27, 198-205	5	25
175	Carbon-nanotube sponges enabling highly efficient and reliable cell inactivation by low-voltage electroporation. *Environmental Science: Nano*, **2017**, 4, 2010-2017	7.1	39
174	Solar light irradiation significantly reduced cytotoxicity and disinfection byproducts in chlorinated reclaimed water. *Water Research*, **2017**, 125, 162-169	12.5	30
173	Comparison of UV-LED and low pressure UV for water disinfection: Photoreactivation and dark repair of Escherichia coli. *Water Research*, **2017**, 126, 134-143	12.5	124
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