Hong-Ying Hu

List of Publications by Citations

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	Effects of different nitrogen and phosphorus concentrations on the growth, nutrient uptake, and lipid accumulation of a freshwater microalga Scenedesmus sp. *Bioresource Technology*, **2010**, 101, 5494-500	11	718
328	Growth and lipid accumulation properties of a freshwater microalga Scenedesmus sp. under different cultivation temperature. *Bioresource Technology*, **2011**, 102, 3098-102	11	275
327	Synergistic effect between UV and chlorine (UV/chlorine) on the degradation of carbamazepine: Influence factors and radical species. *Water Research*, **2016**, 98, 190-8	12.5	240
326	Characteristics of water quality of municipal wastewater treatment plants in China: implications for resources utilization and management. *Journal of Cleaner Production*, **2016**, 131, 1-9	10.3	194
325	Toxic impact of bromide and iodide on drinking water disinfected with chlorine or chloramines. *Environmental Science & Technology*, **2014**, 48, 12362-9	10.3	163
324	Isolation and characterization of a novel antialgal allelochemical from Phragmites communis. *Applied and Environmental Microbiology*, **2005**, 71, 6545-53	4.8	156
323	Inactivation and reactivation of antibiotic-resistant bacteria by chlorination in secondary effluents of a municipal wastewater treatment plant. *Water Research*, **2011**, 45, 2775-81	12.5	155
322	Gramine-induced growth inhibition, oxidative damage and antioxidant responses in freshwater cyanobacterium Microcystis aeruginosa. *Aquatic Toxicology*, **2009**, 91, 262-9	5.1	151
321	Substrate interactions in BTEX and MTBE mixtures by an MTBE-degrading isolate. *Environmental Science & Technology*, **2001**, 35, 312-7	10.3	131
320	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
319	Effect of carbon source on the denitrification in constructed wetlands. *Journal of Environmental Sciences*, **2009**, 21, 1036-43	6.4	114
318	Microalgal species for sustainable biomass/lipid production using wastewater as resource: A review. *Renewable and Sustainable Energy Reviews*, **2014**, 33, 675-688	16.2	112
317	Effect of ammonia nitrogen and dissolved organic matter fractions on the genotoxicity of wastewater effluent during chlorine disinfection. *Environmental Science & Technology*, **2007**, 41, 160-5	10.3	112
316	Dichloroacetonitrile and dichloroacetamide can form independently during chlorination and chloramination of drinking waters, model organic matters, and wastewater effluents. *Environmental Science & Technology*, **2012**, 46, 10624-31	10.3	111
315	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
314	Monitoring and evaluation of antibiotic-resistant bacteria at a municipal wastewater treatment plant in China. *Environment International*, **2012**, 42, 31-6	12.9	109
313	Analytical precision and repeatability of respiratory quinones for quantitative study of microbial community structure in environmental samples. *Journal of Microbiological Methods*, **2001**, 47, 17-24	2.8	104

312	Degradation of natural organic matter by UV/chlorine oxidation: Molecular decomposition, formation of oxidation byproducts and cytotoxicity. *Water Research*, **2017**, 124, 251-258	12.5	98
311	Microalgae-based advanced municipal wastewater treatment for reuse in water bodies. *Applied Microbiology and Biotechnology*, **2017**, 101, 2659-2675	5.7	91
310	Responses of enzymatic antioxidants and non-enzymatic antioxidants in the cyanobacterium Microcystis aeruginosa to the allelochemical ethyl 2-methyl acetoacetate (EMA) isolated from reed (Phragmites communis). *Journal of Plant Physiology*, **2008**, 165, 1264-73	3.6	91
309	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
308	Growth and lipid accumulation properties of a freshwater microalga, Chlorella ellipsoidea YJ1, in domestic secondary effluents. *Applied Energy*, **2011**, 88, 3295-3299	10.7	85
307	Effect of bromide on the formation of disinfection by-products during wastewater chlorination. *Water Research*, **2009**, 43, 2391-8	12.5	85
306	Fouling characteristics of reverse osmosis membranes at different positions of a full-scale plant for municipal wastewater reclamation. *Water Research*, **2016**, 90, 329-336	12.5	81
305	Effect of chlorination and ultraviolet disinfection on tetA-mediated tetracycline resistance of Escherichia coli. *Chemosphere*, **2013**, 90, 2247-53	8.4	78
304	Tiered aquatic ecological risk assessment of organochlorine pesticides and their mixture in Jiangsu reach of Huaihe River, China. *Environmental Monitoring and Assessment*, **2009**, 157, 29-42	3.1	77
303	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
302	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
301	Differences in dissolved organic matter between reclaimed water source and drinking water source. *Science of the Total Environment*, **2016**, 551-552, 133-42	10.2	75
300	Effect of pH on the reduction of nitrite in water by metallic iron. *Water Research*, **2001**, 35, 2789-93	12.5	74
299	UV inactivation and characteristics after photoreactivation of Escherichia coli with plasmid: health safety concern about UV disinfection. *Water Research*, **2012**, 46, 4031-6	12.5	73
298	Comparison of low- and medium-pressure ultraviolet lamps: Photoreactivation of Escherichia coli and total coliforms in secondary effluents of municipal wastewater treatment plants. *Water Research*, **2009**, 43, 815-21	12.5	71
297	Optimization of amino acids production from waste fish entrails by hydrolysis in sub and supercritical water. *Canadian Journal of Chemical Engineering*, **2001**, 79, 65-70	2.3	71
296	The characteristics and influencing factors of the attached microalgae cultivation: A review. *Renewable and Sustainable Energy Reviews*, **2018**, 94, 1110-1119	16.2	69
295	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

294	Effect of chlorination on the estrogenic/antiestrogenic activities of biologically treated wastewater. *Environmental Science & Technology*, **2009**, 43, 4940-5	10.3	68
293	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
292	Simultaneous nitrogen, phosphorous, and hardness removal from reverse osmosis concentrate by microalgae cultivation. *Water Research*, **2016**, 94, 215-224	12.5	64
291	Algal-bloom control by allelopathy of aquatic macrophytes □A review. *Frontiers of Environmental Science and Engineering in China*, **2008**, 2, 421-438		63
290	Nutrient Recovery from Digestate of Anaerobic Digestion of Livestock Manure: a Review. *Current Pollution Reports*, **2018**, 4, 74-83	7.6	62
289	Microalgal attachment and attached systems for biomass production and wastewater treatment. *Renewable and Sustainable Energy Reviews*, **2018**, 92, 331-342	16.2	62
288	Physiological and biochemical effects of allelochemical ethyl 2-methyl acetoacetate (EMA) on cyanobacterium Microcystis aeruginosa. *Ecotoxicology and Environmental Safety*, **2008**, 71, 527-34	7	62
287	Light-emitting diodes as an emerging UV source for UV/chlorine oxidation: Carbamazepine degradation and toxicity changes. *Chemical Engineering Journal*, **2017**, 310, 148-156	14.7	60
286	Development of a novel solid phase extraction method for the analysis of bacterial quinones in activated sludge with a higher reliability. *Journal of Bioscience and Bioengineering*, **1999**, 87, 378-82	3.3	60
285	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
284	Nanowire-Modified Three-Dimensional Electrode Enabling Low-Voltage Electroporation for Water Disinfection. *Environmental Science & Technology*, **2016**, 50, 7641-9	10.3	59
283	Fouling of reverse osmosis membrane for municipal wastewater reclamation: Autopsy results from a full-scale plant. *Desalination*, **2014**, 349, 73-79	10.3	58
282	Promising solutions to solve the bottlenecks in the large-scale cultivation of microalgae for biomass/bioenergy production. *Renewable and Sustainable Energy Reviews*, **2016**, 60, 1602-1614	16.2	58
281	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
280	Isolation and heterotrophic cultivation of mixotrophic microalgae strains for domestic wastewater treatment and lipid production under dark condition. *Bioresource Technology*, **2013**, 149, 586-9	11	57
279	Centralized water reuse system with multiple applications in urban areas: Lessons from China□ experience. *Resources, Conservation and Recycling*, **2017**, 117, 125-136	11.9	55
278	Biomass production of a Scenedesmus sp. under phosphorous-starvation cultivation condition. *Bioresource Technology*, **2012**, 112, 193-8	11	54
277	Chlorine disinfection significantly aggravated the biofouling of reverse osmosis membrane used for municipal wastewater reclamation. *Water Research*, **2019**, 154, 246-257	12.5	53

276	Characteristics of biofilms and iron corrosion scales with ground and surface waters in drinking water distribution systems. *Corrosion Science*, **2015**, 90, 331-339	6.8	52
275	Enhanced growth and fatty acid accumulation of microalgae Scenedesmus sp. LX1 by two types of auxin. *Bioresource Technology*, **2018**, 247, 561-567	11	52
274	Analysis of respiratory quinones in soil for characterization of microbiota. *Soil Science and Plant Nutrition*, **1998**, 44, 393-404	1.6	52
273	Increase of cytotoxicity during wastewater chlorination: Impact factors and surrogates. *Journal of Hazardous Materials*, **2017**, 324, 681-690	12.8	50
272	Advantages of combined UV photodegradation and biofiltration processes to treat gaseous chlorobenzene. *Journal of Hazardous Materials*, **2009**, 171, 1120-5	12.8	50
271	Growth and physiological responses of freshwater green alga Selenastrum capricornutum to allelochemical ethyl 2-methyl acetoacetate (EMA) under different initial algal densities. *Pesticide Biochemistry and Physiology*, **2008**, 90, 203-212	4.9	48
270	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
269	A novel suspended-solid phase photobioreactor to improve biomass production and separation of microalgae. *Bioresource Technology*, **2014**, 153, 399-402	11	47
268	Occurrence of estrogenic endocrine disrupting chemicals concern in sewage plant effluent. *Frontiers of Environmental Science and Engineering*, **2014**, 8, 18-26	5.8	47
267	Screening and estimating of toxicity formation with photobacterium bioassay during chlorine disinfection of wastewater. *Journal of Hazardous Materials*, **2007**, 141, 289-94	12.8	47
266	Development of species sensitivity distributions and estimation of HC(5) of organochlorine pesticides with five statistical approaches. *Ecotoxicology*, **2008**, 17, 716-24	2.9	47
265	Effects of operating conditions on THMs and HAAs formation during wastewater chlorination. *Journal of Hazardous Materials*, **2009**, 168, 1290-5	12.8	46
264	Effects of chlorination on the properties of dissolved organic matter and its genotoxicity in secondary sewage effluent under two different ammonium concentrations. *Chemosphere*, **2010**, 80, 941-6	8.4	46
263	Quantitative analyses of the change in microbial diversity in a bioreactor for wastewater treatment based on respiratory quinones. *Water Research*, **1999**, 33, 3263-3270	12.5	45
262	Effect of ultraviolet irradiation and chlorination on ampicillin-resistant Escherichia coli and its ampicillin resistance gene. *Frontiers of Environmental Science and Engineering*, **2016**, 10, 522-530	5.8	44
261	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
260	Effect of operating conditions on long-term performance of a biofilter treating gaseous toluene: Biomass accumulation and stable-run time estimation. *Biochemical Engineering Journal*, **2006**, 31, 165-172	4.2	43
259	Soluble Algal Products (SAPs) in large scale cultivation of microalgae for biomass/bioenergy production: A review. *Renewable and Sustainable Energy Reviews*, **2016**, 59, 141-148	16.2	42

258	Stimulative effects of ozone on a biofilter treating gaseous chlorobenzene. *Environmental Science & Technology*, **2009**, 43, 9407-12	10.3	42
257	Biological Degradation and Chemical Oxidation Characteristics of Coke-Oven Wastewater. *Water, Air, and Soil Pollution*, **2003**, 146, 23-33	2.6	42
256	Characterization and biotoxicity assessment of dissolved organic matter in RO concentrate from a municipal wastewater reclamation reverse osmosis system. *Chemosphere*, **2014**, 117, 545-51	8.4	41
255	Long-term changes in microbial community structure in soils subjected to different fertilizing practices revealed by quinone profile analysis. *Soil Science and Plant Nutrition*, **1998**, 44, 559-569	1.6	41
254	Effects of chemical agent injections on genotoxicity of wastewater in a microfiltration-reverse osmosis membrane process for wastewater reuse. *Journal of Hazardous Materials*, **2013**, 260, 231-7	12.8	40
253	Lipid-rich microalgal biomass production and nutrient removal by Haematococcus pluvialis in domestic secondary effluent. *Ecological Engineering*, **2013**, 60, 155-159	3.9	40
252	Health risk assessment of phthalate esters (PAEs) in drinking water sources of China. *Environmental Science and Pollution Research*, **2015**, 22, 3620-30	5.1	39
251	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
250	Carbon-nanotube sponges enabling highly efficient and reliable cell inactivation by low-voltage electroporation. *Environmental Science: Nano*, **2017**, 4, 2010-2017	7.1	39
249	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	13	39
248	Inhibitory effects of soluble algae products (SAP) released by Scenedesmus sp. LX1 on its growth and lipid production. *Bioresource Technology*, **2013**, 146, 643-648	11	38
247	Effect of inlet ozone concentration on the performance of a micro-bubble ozonation system for inactivation of Bacillus subtilis spores. *Separation and Purification Technology*, **2013**, 114, 126-133	8.3	38
246	Characterization of corrosion scale formed on stainless steel delivery pipe for reclaimed water treatment. *Water Research*, **2016**, 88, 816-825	12.5	37
245	Reduced effect of bromide on the genotoxicity in secondary effluent of a municipal wastewater treatment plant during chlorination. *Environmental Science & Technology*, **2010**, 44, 4924-9	10.3	37
244	Potential biomass yield per phosphorus and lipid accumulation property of seven microalgal species. *Bioresource Technology*, **2013**, 130, 599-602	11	36
243	Screening heterotrophic microalgal strains by using the Biolog method for biofuel production from organic wastewater. *Algal Research*, **2014**, 6, 175-179	5	35
242	Evaluating method and potential risks of chlorine-resistant bacteria (CRB): A review. *Water Research*, **2021**, 188, 116474	12.5	35
241	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

240	The removal of estrogenic activity with UV/chlorine technology and identification of novel estrogenic disinfection by-products. *Journal of Hazardous Materials*, **2016**, 307, 119-26	12.8	34
239	Transformation of anti-estrogenic-activity related dissolved organic matter in secondary effluents during ozonation. *Water Research*, **2014**, 48, 605-12	12.5	34
238	An integrated microalgal growth model and its application to optimize the biomass production of Scenedesmus sp. LX1 in open pond under the nutrient level of domestic secondary effluent. *Bioresource Technology*, **2013**, 144, 445-51	11	34
237	Isolation of a Poterioochromonas capable of feeding on Microcystis aeruginosa and degrading microcystin-LR. *FEMS Microbiology Letters*, **2008**, 288, 241-6	2.9	34
236	Study on the removal of benzisothiazolinone biocide and its toxicity: The effectiveness of ozonation. *Chemical Engineering Journal*, **2016**, 300, 376-383	14.7	34
235	Enhanced microalgae growth through stimulated secretion of indole acetic acid by symbiotic bacteria. *Algal Research*, **2018**, 33, 345-351	5	33
234	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
233	Removal of Endocrine-Disrupting Compounds, Estrogenic Activity, and Escherichia coliform from Secondary Effluents in a TiO2-Coated Photocatalytic Reactor. *Environmental Engineering Science*, **2012**, 29, 195-201	2	32
232	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
231	Elimination of chlorine-refractory carbamazepine by breakpoint chlorination: Reactive species and oxidation byproducts. *Water Research*, **2018**, 129, 115-122	12.5	32
230	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
229	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
228	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
227	A review on control of harmful algal blooms by plant-derived allelochemicals. *Journal of Hazardous Materials*, **2021**, 401, 123403	12.8	31
226	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
225	Formation of haloacetonitriles and haloacetamides and their precursors during chlorination of secondary effluents. *Chemosphere*, **2016**, 144, 297-303	8.4	30
224	Solar light irradiation significantly reduced cytotoxicity and disinfection byproducts in chlorinated reclaimed water. *Water Research*, **2017**, 125, 162-169	12.5	30
223	Evidence of ATP assay as an appropriate alternative of MTT assay for cytotoxicity of secondary effluents from WWTPs. *Ecotoxicology and Environmental Safety*, **2015**, 122, 490-6	7	29

222	Fate of trace tetracycline with resistant bacteria and resistance genes in an improved AAO wastewater treatment plant. *Chemical Engineering Research and Design*, **2015**, 93, 68-74	5.5	29
221	Formation of haloacetonitriles and haloacetamides during chlorination of pure culture bacteria. *Chemosphere*, **2013**, 92, 375-81	8.4	29
220	Chemical identification and acute biotoxicity assessment of gaseous chlorobenzene photodegradation products. *Chemosphere*, **2008**, 73, 1167-71	8.4	29
219	Effects of UV pretreatment on microbial community structure and metabolic characteristics in a subsequent biofilter treating gaseous chlorobenzene. *Bioresource Technology*, **2009**, 100, 5581-7	11	28
218	Feeding characteristics of a golden alga (Poterioochromonas sp.) grazing on toxic cyanobacterium Microcystis aeruginosa. *Water Research*, **2009**, 43, 2953-60	12.5	28
217	Growth and repair potential of three species of bacteria in reclaimed wastewater after UV disinfection. *Biomedical and Environmental Sciences*, **2011**, 24, 400-7	1.1	28
216	Accumulation characteristics of soluble algal products (SAP) by a freshwater microalga Scenedesmus sp. LX1 during batch cultivation for biofuel production. *Bioresource Technology*, **2012**, 110, 184-9	11	27
215	Microalgal growth with intracellular phosphorus for achieving high biomass growth rate and high lipid/triacylglycerol content simultaneously. *Bioresource Technology*, **2015**, 192, 374-81	11	27
214	Domestic wastewater treatment and biofuel production by using microalga Scenedesmus sp. ZTY1. *Water Science and Technology*, **2014**, 69, 2492-6	2.2	27
213	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
212	Effect of different molecular weight organic components on the increase of microbial growth potential of secondary effluent by ozonation. *Journal of Environmental Sciences*, **2014**, 26, 2190-7	6.4	26
211	Removal potential of anti-estrogenic activity in secondary effluents by coagulation. *Chemosphere*, **2013**, 93, 2562-7	8.4	26
210	Attached microalgae cultivation and nutrients removal in a novel capillary-driven photo-biofilm reactor. *Algal Research*, **2017**, 27, 198-205	5	25
209	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
208	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
207	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
206	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
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	Characterization and identification of antiestrogenic products of phenylalanine chlorination. *Water Research*, **2010**, 44, 3625-34	12.5	24
203	Shifts of live bacterial community in secondary effluent by chlorine disinfection revealed by Miseq high-throughput sequencing combined with propidium monoazide treatment. *Applied Microbiology and Biotechnology*, **2016**, 100, 6435-6446	5.7	24
202	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
201	Effects of the novel allelochemical ethyl 2-methylacetoacetate from the reed (Phragmitis australis Trin) on the growth of several common species of green algae. *Journal of Applied Phycology*, **2007**, 19, 521-527	3.2	23
200	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
199	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
198	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
197	The bioavailability of the soluble algal products of different microalgal strains and its influence on microalgal growth in unsterilized domestic secondary effluent. *Bioresource Technology*, **2015**, 180, 352-5	11	22
196	Ozone/graphene oxide catalytic oxidation: a novel method to degrade emerging organic contaminant N, N-diethyl-m-toluamide (DEET). *Scientific Reports*, **2016**, 6, 31405	4.9	21
195	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
194	Effective degradation of methylisothiazolone biocide using ozone: Kinetics, mechanisms, and decreases in toxicity. *Journal of Environmental Management*, **2016**, 183, 1064-1071	7.9	21
193	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
192	Sustainability evaluation and implication of a large scale membrane bioreactor plant. *Bioresource Technology*, **2018**, 269, 246-254	11	21
191	Photocatalytic degradation of the antiviral drug Tamiflu by UV-A/TiO2: Kinetics and mechanisms. *Chemosphere*, **2015**, 131, 41-7	8.4	20
190	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
189	Life history responses of Daphnia magna feeding on toxic Microcystis aeruginosa alone and mixed with a mixotrophic Poterioochromonas species. *Water Research*, **2009**, 43, 5053-62	12.5	20
188	Biodegradation of gaseous chlorobenzene by white-rot fungus Phanerochaete chrysosporium. *Biomedical and Environmental Sciences*, **2008**, 21, 474-8	1.1	20
187	Enhanced attached growth of microalgae Scenedesmus. LX1 through ambient bacterial pre-coating of cotton fiber carriers. *Bioresource Technology*, **2016**, 218, 643-9	11	20

186	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
185	Cell Transport Prompts the Performance of Low-Voltage Electroporation for Cell Inactivation. *Scientific Reports*, **2018**, 8, 15832	4.9	20
184	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
183	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
182	Removal of fluorescence and ultraviolet absorbance of dissolved organic matter in reclaimed water by solar light. *Journal of Environmental Sciences*, **2016**, 43, 118-127	6.4	19
181	Screening and characterization of mixotrophic sulfide oxidizing bacteria for odorous surface water bioremediation. *Bioresource Technology*, **2019**, 290, 121721	11	19
180	Antiestrogenic activity and related disinfection by-product formation induced by bromide during chlorine disinfection of sewage secondary effluent. *Journal of Hazardous Materials*, **2014**, 273, 280-6	12.8	19
179	Characterization of trihalomethane, haloacetic acid, and haloacetonitrile precursors in a seawater reverse osmosis system. *Science of the Total Environment*, **2017**, 576, 391-397	10.2	19
178	Increase of microbial growth potential in municipal secondary effluent by coagulation. *Chemosphere*, **2014**, 109, 14-9	8.4	19
177	Linear relation between the amount of respiratory quinones and the microbial biomass in soil. *Soil Science and Plant Nutrition*, **1999**, 45, 775-778	1.6	19
176	Removal of C.I. Reactive Red 2 by low pressure UV/chlorine advanced oxidation. *Journal of Environmental Sciences*, **2016**, 41, 227-234	6.4	18
175	Removal of genotoxicity in chlorinated secondary effluent of a domestic wastewater treatment plant during dechlorination. *Environmental Science and Pollution Research*, **2012**, 19, 1-7	5.1	18
174	Improvement of the assimilable organic carbon (AOC) analytical method for reclaimed water. *Frontiers of Environmental Science and Engineering*, **2013**, 7, 483-491	5.8	18
173	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
172	Efficient synergistic disinfection by ozone, ultraviolet irradiation and chlorine in secondary effluents. *Science of the Total Environment*, **2021**, 758, 143641	10.2	18
171	The implementation of high fermentative 2,3-butanediol production from xylose by simultaneous additions of yeast extract, Na2EDTA, and acetic acid. *New Biotechnology*, **2016**, 33, 16-22	6.4	17
170	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
169	A biofilter model for simultaneous simulation of toluene removal and bed pressure drop under varied inlet loadings. *Frontiers of Environmental Science and Engineering*, **2015**, 9, 554-562	5.8	17

168	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
167	Preliminary investigation on safety of post-UV disinfection of wastewater: bio-stability in laboratory-scale simulated reuse water pipelines. *Desalination*, **2009**, 239, 22-28	10.3	17
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