

# Ozonation of drinking water: Part II. Disinfection and by bromide, iodide or chlorine

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ozonation of drinking water: Part I. Oxidation kinetics and product formation. <i>Water Research</i> , 2003, 37, 1443-1467.	5.3	1,960
2	Ozonolysis of phenols in aqueous solution. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1749.	1.5	220
3	Determination of $\text{HO}^\bullet$ , $\text{O}_2^{\bullet-}$ , and Hydroperoxide Yields in Ozone Reactions in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7242-7253.	1.2	194
4	Hydrogen-based, hollow-fiber membrane biofilm reactor for reduction of perchlorate and other oxidized contaminants. <i>Water Science and Technology</i> , 2004, 49, 223-230.	1.2	133
5	Formation of Bromate Ion Through a Radical Pathway in a Continuous Flow Reactor. <i>Ozone: Science and Engineering</i> , 2004, 26, 573-584.	1.4	10
6	Effect of Addition of Ammonia on the Bromate Formation During Ozonation. <i>Ozone: Science and Engineering</i> , 2004, 26, 267-276.	1.4	13
7	Microbial growth control in water hydraulic systems by conventional filtration. <i>Filtration and Separation</i> , 2004, 41, 41-47.	0.2	3
8	Environmental exposure, chlorinated drinking water, and bladder cancer. <i>World Journal of Urology</i> , 2004, 21, 424-432.	1.2	22
9	Electroanalysis of peroxone. <i>Electrochemistry Communications</i> , 2004, 6, 1135-1140.	2.3	16
10	Enhanced Bromate Control during Ozonation: The Chlorine-Ammonia Process. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5187-5195.	4.6	124
11	Simultaneous Prediction of <i>Cryptosporidium parvum</i> Oocyst Inactivation and Bromate Formation during Ozonation of Synthetic Waters. <i>Environmental Science &amp; Technology</i> , 2004, 38, 2232-2241.	4.6	36
12	Removal of Estrogenic Activity and Formation of Oxidation Products during Ozonation of 17 $\beta$ -Ethinylestradiol. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5177-5186.	4.6	235
13	Detection and Occurrence of Indicator Organisms and Pathogens. <i>Water Environment Research</i> , 2004, 76, 531-604.	1.3	0
14	Chemical Reactive Zones. , 2004, , 227-313.		0
15	Use of Iron(VI) and Iron(V) as Oxidants and Disinfectants in Water Treatment. <i>Proceedings of the Water Environment Federation</i> , 2005, 2005, 871-885.	0.0	1
16	The Evaluation Of Ozonation and Chlorination On Disinfection By-Product Formation for a High-Bromide Water. <i>Ozone: Science and Engineering</i> , 2005, 27, 19-26.	1.4	7
17	Mass transfer studies in flat-sheet membrane contactor with ozonation. <i>Journal of Membrane Science</i> , 2005, 247, 153-167.	4.1	51
18	Ozone transfer and design concepts for NOM decolourization in tubular membrane contactor. <i>Chemical Engineering Journal</i> , 2005, 111, 53-61.	6.6	27

#	ARTICLE	IF	CITATIONS
19	Optimization of ozone and coagulation processes for bromate control in Istanbul drinking waters. <i>Desalination</i> , 2005, 176, 211-217.	4.0	27
20	Bromate formation during ozonation of groundwater in coastal areas in Greece. <i>Desalination</i> , 2005, 176, 201-209.	4.0	35
21	The hazard of N-nitrosodimethylamine (NDMA) formation during water disinfection with strong oxidants. <i>Desalination</i> , 2005, 176, 37-45.	4.0	95
22	Application of oxidative removal of NOM to drinking water and formation of disinfection by-products. <i>Desalination</i> , 2005, 176, 155-166.	4.0	66
23	The determination and fate of disinfection by-products from ozonation of polluted raw water. <i>Science of the Total Environment</i> , 2005, 345, 261-272.	3.9	132
24	A performance comparison of individual and combined treatment modules for water recycling. <i>Environmental Progress</i> , 2005, 24, 383-391.	0.8	13
25	Elimination of Swimming Pool Water Disinfection By-products with Advanced Oxidation Processes (AOPs). <i>Clean - Soil, Air, Water</i> , 2005, 33, 585-594.	0.8	27
26	Ferrates (iron(VI) and iron(V)): Environmentally friendly oxidants and disinfectants. <i>Journal of Water and Health</i> , 2005, 3, 45-58.	1.1	137
27	Disinfection of Microorganisms by Use of Electrochemically Regenerated Periodate. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6410-6413.	1.4	16
28	Ozone and Ozone/Peroxide for Reclaimed Water Disinfection. <i>Proceedings of the Water Environment Federation</i> , 2005, 2005, 7484-7491.	0.0	0
29	Effect of pH, charge separation and oxygen concentration in photoelectrocatalytic systems: active chlorine production and chlorate formation. <i>Desalination</i> , 2005, 176, 219-227.	4.0	24
30	Fate of Endocrine-Disruptor, Pharmaceutical, and Personal Care Product Chemicals during Simulated Drinking Water Treatment Processes. <i>Environmental Science &amp; Technology</i> , 2005, 39, 6649-6663.	4.6	1,300
31	Effects of temperature and chemical addition on the formation of bromoorganic DBPs during ozonation. <i>Water Research</i> , 2005, 39, 423-435.	5.3	41
32	Efficiency of activated carbon to transform ozone into OH radicals: Influence of operational parameters. <i>Water Research</i> , 2005, 39, 3189-3198.	5.3	265
33	Adsorptive ozonation of 2-methylisoborneol in natural water with preventing bromate formation. <i>Water Research</i> , 2005, 39, 3900-3908.	5.3	23
34	Ozonation of the marine dinoflagellate alga <i>Amphidinium</i> sp.â€”implications for ballast water disinfection. <i>Water Research</i> , 2005, 39, 5119-5125.	5.3	58
35	Aerobic spore-forming bacteria for assessing quality of drinking water produced from surface water. <i>Water Research</i> , 2005, 39, 5186-5198.	5.3	28
36	Water Analysis:â€” Emerging Contaminants and Current Issues. <i>Analytical Chemistry</i> , 2005, 77, 3807-3838.	3.2	354

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38	Bromate formation on the non-porous TiO <sub>2</sub> photoanode in the photoelectrocatalytic system. <i>Chemosphere</i> , 2006, 62, 715-721.	4.2	24
39	Radiolytic degradation of herbicide 4-chloro-2-methyl phenoxyacetic acid (MCPA) by <sup>137</sup> I-radiation for environmental protection. <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 265-277.	2.9	33
40	The impact of selected water quality parameters on the inactivation of <i>Bacillus subtilis</i> spores by monochloramine and ozone. <i>Water Research</i> , 2006, 40, 373-382.	5.3	34
41	Removal of the surfactant sodium dodecylbenzenesulphonate from water by simultaneous use of ozone and powdered activated carbon: Comparison with systems based on O <sub>3</sub> and O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> . <i>Water Research</i> , 2006, 40, 1717-1725.	5.3	62
42	Measurement of the initial phase of ozone decomposition in water and wastewater by means of a continuous quench-flow system: Application to disinfection and pharmaceutical oxidation. <i>Water Research</i> , 2006, 40, 1884-1894.	5.3	186
43	Implications of sequential use of UV and ozone for drinking water quality. <i>Water Research</i> , 2006, 40, 1864-1876.	5.3	123
44	THM, HAA and CNCl formation from UV irradiation and chlor(am)ination of selected organic waters. <i>Water Research</i> , 2006, 40, 2033-2043.	5.3	105
45	Mechanistic and kinetic evaluation of organic disinfection by-product and assimilable organic carbon (AOC) formation during the ozonation of drinking water. <i>Water Research</i> , 2006, 40, 2275-2286.	5.3	214
46	Treatment processes for source-separated urine. <i>Water Research</i> , 2006, 40, 3151-3166.	5.3	426
47	Metal-doped carbon aerogels as catalysts during ozonation processes in aqueous solutions. <i>Water Research</i> , 2006, 40, 3375-3384.	5.3	58
48	Comparison of the efficiency of OH radical formation during ozonation and the advanced oxidation processes O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> and UV/H <sub>2</sub> O <sub>2</sub> . <i>Water Research</i> , 2006, 40, 3695-3704.	5.3	407
49	Trihalomethanes (THMs), Haloacetic Acids (HAAs), and Emerging Disinfection By-products in Drinking Water. , 2006, , 251-286.		7
50	Inactivation of Protozoan Parasites in Food, Water, and Environmental Systems. <i>Journal of Food Protection</i> , 2006, 69, 2786-2808.	0.8	102
51	The Impact of Ammonia Photo-Oxidation Under UV Light from Low Pressure Mercury Lamps on Bromate Decay in Water. <i>Water Practice and Technology</i> , 2006, 1, .	1.0	2
53	Application of improved rapid mixing for enhanced removal of dissolved organic matter and DBPFP (disinfection by-product formation potential) control. <i>Water Science and Technology: Water Supply</i> , 2006, 6, 49-57.	1.0	9
54	A review on bromate occurrence and removal strategies in water supply. <i>Water Science and Technology: Water Supply</i> , 2006, 6, 131-136.	1.0	16
55	Formation of halogenated by-products of parabens in chlorinated water. <i>Analytica Chimica Acta</i> , 2006, 575, 106-113.	2.6	142
56	Pump diffusion flash mixing (PDFM) for improving coagulation process in drinking water treatment. <i>Separation and Purification Technology</i> , 2006, 52, 117-125.	3.9	17

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57	Removal of bromide and iodide anions from drinking water by silver-activated carbon aerogels. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 437-441.	5.0	68
58	Partial degradation of five pesticides and an industrial pollutant by ozonation in a pilot-plant scale reactor. <i>Journal of Hazardous Materials</i> , 2006, 138, 363-369.	6.5	132
59	Bromide Ion Incorporation Into Brominated Disinfection By-Products. <i>Water, Air, and Soil Pollution</i> , 2006, 174, 265-277.	1.1	47
60	Enhancement of gas-liquid mass transfer during the unsteady-state catalytic decomposition of ozone in water. <i>Applied Catalysis A: General</i> , 2006, 305, 169-175.	2.2	21
61	The efficacy of electrolysed oxidising water for inactivating spoilage microorganisms in process water and on minimally processed vegetables. <i>International Journal of Food Microbiology</i> , 2006, 109, 187-197.	2.1	66
62	Photooxidation of naphthalenesulphonic acids in presence of transition metal-doped carbon aerogels. <i>Applied Catalysis B: Environmental</i> , 2006, 69, 93-100.	10.8	10
63	Ozonation of seawater from different locations: Formation and decay of total residual oxidant—implications for ballast water treatment. <i>Marine Pollution Bulletin</i> , 2006, 52, 1023-1033.	2.3	87
64	Mesocosm experiments for evaluating the biological efficacy of ozone treatment of marine ballast water. <i>Marine Pollution Bulletin</i> , 2006, 52, 1756-1767.	2.3	38
65	Removal of Iodinated X-Ray Contrast Media During Drinking Water Treatment. <i>Environmental Chemistry</i> , 2006, 3, 35.	0.7	57
66	Ozone Electrogeneration on Pt-Loaded Reticulated Vitreous Carbon Using Flooded and Flow-Through Assembly. <i>Journal of the Electrochemical Society</i> , 2006, 153, D207.	1.3	21
67	Combination of Ozone with Activated Carbon as an Alternative to Conventional Advanced Oxidation Processes. <i>Ozone: Science and Engineering</i> , 2006, 28, 237-245.	1.4	62
68	Modeling Bromate Formation During Ozonation. <i>Ozone: Science and Engineering</i> , 2007, 29, 429-442.	1.4	38
69	A Simple Model to Predict Formation of Bromate Ion and Hypobromous Acid/Hypobromite Ion through Hydroxyl Radical Pathway during Ozonation. <i>Ozone: Science and Engineering</i> , 2007, 29, 3-11.	1.4	20
70	Formation and Reverse Osmosis Removal of Bromate Ions during Ozonation of Groundwater in Coastal Areas. <i>Separation Science and Technology</i> , 2007, 42, 1465-1476.	1.3	16
72	Ag-doped carbon aerogels for removing halide ions in water treatment. <i>Water Research</i> , 2007, 41, 1031-1037.	5.3	69
73	Modeling <i>Cryptosporidium parvum</i> oocyst inactivation and bromate in a flow-through ozone contactor treating natural water. <i>Water Research</i> , 2007, 41, 467-475.	5.3	36
74	Formation of assimilable organic carbon (AOC) and specific natural organic matter (NOM) fractions during ozonation of phytoplankton. <i>Water Research</i> , 2007, 41, 1447-1454.	5.3	102
75	Formation of oxidation byproducts from ozonation of wastewater. <i>Water Research</i> , 2007, 41, 1481-1490.	5.3	243

#	ARTICLE	IF	CITATIONS
76	Photooxidation of naphthalenesulfonic acids: Comparison between processes based on O <sub>3</sub> , O <sub>3</sub> /activated carbon and UV/H <sub>2</sub> O <sub>2</sub> . <i>Chemosphere</i> , 2007, 68, 1814-1820.	4.2	21
77	Review of kinetics of chemical and photocatalytical oxidation of Arsenic(III) as influenced by pH. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 997-1004.	0.9	73
78	Pilot Study on Pre-Ozonation Enhanced Drinking Water Treatment Process. <i>Ozone: Science and Engineering</i> , 2007, 29, 317-323.	1.4	19
79	The basics of oxidants in water treatment. Part B: ozone reactions. <i>Water Science and Technology</i> , 2007, 55, 25-29.	1.2	50
80	Prediction of Bromate Formation Using Multi-Linear Regression and Artificial Neural Networks. <i>Ozone: Science and Engineering</i> , 2007, 29, 353-362.	1.4	42
81	Pilot-Scale and Full-Scale Evaluation of the Chlorine-Ammonia Process for Bromate Control During Ozonation. <i>Ozone: Science and Engineering</i> , 2007, 29, 363-372.	1.4	26
82	Modeling of Ozonation for Dissolved Ozone Dosing. <i>Ozone: Science and Engineering</i> , 2007, 29, 379-389.	1.4	19
83	Oxidation Kinetics of Selected Taste and Odor Compounds During Ozonation of Drinking Water. <i>Environmental Science &amp; Technology</i> , 2007, 41, 626-631.	4.6	163
84	Sources of Parameter Uncertainty in Predicting Treatment Performance: The Case of Preozonation in Drinking Water Engineering. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3991-3996.	4.6	7
85	Sunlight-Induced Photochemical Decay of Oxidants in Natural Waters: Implications in Ballast Water Treatment. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3728-3733.	4.6	59
86	Electron Pulse Radiolysis Determination of Hydroxyl Radical Rate Constants with Suwannee River Fulvic Acid and Other Dissolved Organic Matter Isolates. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4640-4646.	4.6	327
87	Removal of organics and control of bromate for a southern china water supply. <i>Journal - American Water Works Association</i> , 2007, 99, 110-116.	0.2	4
88	Effectiveness of chlorination and ozonation methods on pure cultures of floc-forming micro-organisms and activated sludge: A comparative study. <i>Water S A</i> , 2007, 32, .	0.2	0
89	Microflora Assessments Using PCR Denaturing Gradient Gel Electrophoresis of Ozone-Treated and Modified-Atmosphere-Packaged Farmed Cod Fillets. <i>Journal of Food Protection</i> , 2007, 70, 2460-2465.	0.8	18
90	Water disinfection using the novel approach of ozone and a liquid whistle reactor. <i>Biochemical Engineering Journal</i> , 2007, 35, 357-364.	1.8	65
91	DBPs formation and toxicity monitoring in different origin water treated by ozone and alum/PAC coagulation. <i>Desalination</i> , 2007, 210, 31-43.	4.0	38
92	Application of chemometric methods to the simultaneous kinetic spectrophotometric determination of iodate and periodate based on consecutive reactions. <i>Microchemical Journal</i> , 2007, 86, 216-226.	2.3	33
93	Bromide and iodide removal from waters under dynamic conditions by Ag-doped aerogels. <i>Journal of Colloid and Interface Science</i> , 2007, 306, 183-186.	5.0	23

#	ARTICLE	IF	CITATIONS
94	Degradation of neonicotinoid insecticides by different advanced oxidation processes and studying the effect of ozone on TiO <sub>2</sub> photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2007, 75, 229-238.	10.8	144
95	The E. coli dying kinetics under the effect of ozone. <i>Journal of Water Chemistry and Technology</i> , 2007, 29, 321-328.	0.2	1
96	Experimental Effect of Ozone upon Some Indicator Bacteria for Preservation of an Ecologically Protected Watery System. <i>Water, Air, and Soil Pollution</i> , 2007, 181, 161-171.	1.1	12
97	Electrogeneration of hydrogen peroxide in seawater and application to disinfection. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 997-1003.	1.5	33
98	Comparing the Efficacy of Chlorine, Chlorine Dioxide, and Ozone in the Inactivation of <i>Cryptosporidium parvum</i> in Water from Parana State, Southern Brazil. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 464-473.	1.4	27
99	Electrochemical Ozone Production as an Environmentally Friendly Technology for Water Treatment. <i>Clean - Soil, Air, Water</i> , 2008, 36, 34-44.	0.7	23
100	Catalytic ozonation of naproxen and carbamazepine on titanium dioxide. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 48-57.	10.8	143
101	Theoretical analysis of physicochemical processes occurring during water treatment by ozone and ultraviolet radiation. <i>Advances in Colloid and Interface Science</i> , 2008, 139, 62-73.	7.0	12
102	Effects of ozone and ultraviolet radiation treatments on the infectivity of <i>Toxoplasma gondii</i> oocysts. <i>Veterinary Parasitology</i> , 2008, 153, 209-213.	0.7	73
103	The solubility of ozone and kinetics of its chemical reactions in aqueous solutions of sodium chloride. <i>Russian Journal of Physical Chemistry A</i> , 2008, 82, 2045-2050.	0.1	25
104	Bromate ion formation in dark chlorination and ultraviolet/chlorination processes for bromide-containing water. <i>Journal of Environmental Sciences</i> , 2008, 20, 246-251.	3.2	39
105	Combined Process of Ferrate Preoxidation and Biological Activated Carbon Filtration for Upgrading Water Quality. <i>ACS Symposium Series</i> , 2008, , 446-455.	0.5	3
106	Ozone-Based Technologies in Water and Wastewater Treatment. , 2008, , 127-175.		20
107	Biofiltration for removal of BOM and residual ammonia following control of bromate formation. <i>Water Research</i> , 2008, 42, 372-378.	5.3	40
108	N-nitrosodimethylamine (NDMA) formation during ozonation of dimethylamine-containing waters. <i>Water Research</i> , 2008, 42, 863-870.	5.3	167
109	Formation of brominated products in irradiated titanium dioxide suspensions containing bromide and dissolved organic carbon. <i>Water Research</i> , 2008, 42, 1778-1784.	5.3	27
110	Ozonation of reverse osmosis concentrate: Kinetics and efficiency of beta blocker oxidation. <i>Water Research</i> , 2008, 42, 3003-3012.	5.3	244
111	Minimizing bromate formation with cerium dioxide during ozonation of bromide-containing water. <i>Water Research</i> , 2008, 42, 3651-3658.	5.3	63

#	ARTICLE	IF	CITATIONS
112	Influence of ozonation on the in vitro mutagenic and toxic potential of secondary effluents. <i>Water Research</i> , 2008, 42, 4929-4940.	5.3	75
113	Formation of oxidation by-products of the iodinated X-ray contrast medium iomeprol during ozonation. <i>Chemosphere</i> , 2008, 70, 1238-1246.	4.2	73
114	Permanganate formation in the reactions of ozone with Mn(II): a mechanistic study. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2008, 57, 451-464.	0.6	28
115	The Degradtion of Humic Substance using Continuous Photocatalysis Systems. <i>Separation Science and Technology</i> , 2008, 43, 93-112.	1.3	3
116	Ozonation of Source-Separated Urine for Resource Recovery and Waste Minimization: Process Modeling, Reaction Chemistry, and Operational Considerations. <i>Environmental Science &amp; Technology</i> , 2008, 42, 9329-9337.	4.6	61
117	Feasibility of using capillary zone electrophoresis with photometric detection for the trace level detection of bromate in drinking water. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2008, 25, 1318-1327.	1.1	4
118	Formation of <i>N</i> -Nitrosamines from Eleven Disinfection Treatments of Seven Different Surface Waters. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4857-4862.	4.6	166
120	Modeling disinfection and by-product formation during the initial and the second phase of natural water ozonation in a pilot-scale plug flow reactor. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2008, 57, 435-449.	0.6	9
121	Verification of Full-Scale Ozone Contactor Inactivation Performance Using Biodosimetry. <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 304-315.	0.7	1
122	Degradation of macromolecular tannic acid by O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> . <i>Water Science and Technology</i> , 2008, 57, 2043-2050.	1.2	7
123	Effect of Bromide and Ammonia on the Formation of Ozonation and Chlorination By-Products. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2008, 12, 79-85.	0.4	3
124	Diagnosis and Treatment of <i>Sarcocystis neurona</i> in a Captive Harbor Seal ( <i>Phoca vitulina</i> ). <i>Journal of Zoo and Wildlife Medicine</i> , 2008, 39, 228-235.	0.3	14
125	Enhanced Degradation of Nitrobenzene by Ozone/Zelite Process. , 2008, , .		0
127	Removal of trace organic substances from river bank filtrate " performance study of RO and NF membranes. <i>Water Science and Technology: Water Supply</i> , 2008, 8, 85-92.	1.0	10
128	Effect of ultrasonic irradiation on the coagulation and inactivation of <i>Microcystis</i> . <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2008, 57, 101-108.	0.6	9
129	Bromate removal from water using granular activated carbon in a batch recycle. <i>Desalination and Water Treatment</i> , 2009, 12, 375-381.	1.0	11
131	THM and HAA Formation from Sequential Use Ozone and Monochloramine to Disinfection in the Presence of Tannic Acid. , 2009, , .		0
132	Modern approaches to the analysis of disinfection by-products in drinking water. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 4097-4118.	1.6	25



#	ARTICLE	IF	CITATIONS
133	Effects of natural organic matter (NOM) character and removal on ozonation for maximizing disinfection with minimum bromate and AOC formation. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2009, 58, 373-385.	0.6	7
134	Evaluation of mixed oxidants generated by an electrochemical method. <i>Desalination and Water Treatment</i> , 2009, 2, 1-5.	1.0	2
135	Formation potentials of typical disinfection byproducts and changes of genotoxicity for chlorinated tertiary effluent pretreated by ozone. <i>Journal of Environmental Sciences</i> , 2009, 21, 409-413.	3.2	12
138	Influence of presence of tannic acid on removal of sodium dodecylbenzenesulphonate by $O_3$ and advanced oxidation processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 367-375.	1.6	5
139	Determination of bromate in highly saline samples using CZE with on-line transient ITP. <i>Journal of Separation Science</i> , 2009, 32, 457-461.	1.3	18
140	Disinfection by-product formation and mutagenic assay caused by preozonation of groundwater containing bromide. <i>Environmental Monitoring and Assessment</i> , 2009, 158, 181-196.	1.3	17
141	The occurrence of perchlorate during drinking water electrolysis using BDD anodes. <i>Electrochimica Acta</i> , 2009, 54, 2102-2107.	2.6	244
142	Inactivation and injury of total coliform bacteria after primary disinfection of drinking water by $TiO_2$ photocatalysis. <i>Journal of Hazardous Materials</i> , 2009, 165, 48-51.	6.5	68
143	Influence of aluminum oxides surface properties on catalyzed ozonation of 2,4,6-trichloroanisole. <i>Separation and Purification Technology</i> , 2009, 66, 405-410.	3.9	83
144	Disinfection by-products and their potential impact on the quality of water produced by desalination systems: A literature review. <i>Desalination</i> , 2009, 237, 214-237.	4.0	157
145	Thermodynamic study of the aeration kinetic in treatment of refinery waste water in bio-aeration tanks. <i>Desalination</i> , 2009, 248, 941-960.	4.0	4
146	Decolorization of azo dye Orange II by ferrate(VI)–hypochlorite liquid mixture, potassium ferrate(VI) and potassium permanganate. <i>Desalination</i> , 2009, 249, 936-941.	4.0	42
147	Elimination of Organic Micropollutants in a Municipal Wastewater Treatment Plant Upgraded with a Full-Scale Post-Ozonation Followed by Sand Filtration. <i>Environmental Science &amp; Technology</i> , 2009, 43, 7862-7869.	4.6	726
148	Inactivation of the test microorganism <i>E.coli</i> K-12 with ozone in water in the presence of humic acids and hydrogen peroxide. <i>Journal of Water Chemistry and Technology</i> , 2009, 31, 201-204.	0.2	5
149	Sequential spectrophotometric determination of trace amounts of periodate and iodate in water samples after micelle-mediated extraction. <i>Journal of Analytical Chemistry</i> , 2009, 64, 896-902.	0.4	18
150	Reinvestigation of the Nitrosamine-Formation Mechanism during Ozonation. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5481-5487.	4.6	94
151	Bromate Ion Removal by Electrochemical Reduction Using an Activated Carbon Felt Electrode. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2054-2059.	4.6	70
152	Ozonolysis of Lignin Models in Aqueous Solution: Anisole, 1,2-Dimethoxybenzene, 1,4-Dimethoxybenzene, and 1,3,5-Trimethoxybenzene. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6275-6282.	4.6	51

#	ARTICLE	IF	CITATIONS
153	Determinants of Whether or Not Mixtures of Disinfection By-Products are Similar. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 437-460.	1.1	28
154	Aquatic arsenic: Toxicity, speciation, transformations, and remediation. <i>Environment International</i> , 2009, 35, 743-759.	4.8	913
155	In vitro toxicity of surface water disinfected by different sequential treatments. <i>Water Research</i> , 2009, 43, 218-228.	5.3	33
156	Bromate Ion-Exchange Properties of Crystalline Akaganite. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 2107-2112.	1.8	35
157	Atrazine: its occurrence and treatment in water. <i>Environmental Reviews</i> , 2009, 17, 199-214.	2.1	14
158	Synthesis of nano-WO <sub>3</sub> and its catalytic activity for enhanced antimicrobial process for water purification using laser induced photo-catalysis. <i>Catalysis Communications</i> , 2009, 11, 214-219.	1.6	80
159	Industrial Biofilms and their Control. <i>Springer Series on Biofilms</i> , 2009, , 65-101.	0.0	10
160	Degradation of N-nitrosodimethylamine (NDMA) in water by UV/O <sub>3</sub> . <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2009, 58, 135-145.	0.6	9
163	Evaluation of control strategies for disinfection byproducts for small water supplies using ozone as an alternative disinfection process. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 431-437.	1.0	3
164	Catalytic Ozonation for Degradation of 2, 4, 6-trichloroanisole in Drinking Water in the Presence of H <sub>2</sub> O <sub>2</sub> . <i>Water Environment Research</i> , 2009, 81, 592-597.	1.3	18
165	Ozonation and perozonation of humic acids in nanofiltration concentrates. <i>Desalination and Water Treatment</i> , 2009, 6, 217-221.	1.0	8
166	Energy Efficient Advanced Treatment Process for Microconstituents Removal. <i>Proceedings of the Water Environment Federation</i> , 2010, 2010, 3250-3271.	0.0	4
167	Photocatalytic inactivation of <i>Cryptosporidium parvum</i> on nanostructured titanium dioxide films. <i>Journal of Water and Health</i> , 2010, 8, 83-91.	1.1	34
168	Drinking Water Disinfection by In-line Electrolysis: Product and Inorganic By-Product Formation. , 2010, , 163-204.		5
169	Electrochemical generation of ozone at PbO <sub>2</sub> -loaded platinum screens. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1877-1883.	1.2	31
170	Application of permanganate in the oxidation of micropollutants: a mini review. <i>Frontiers of Environmental Science and Engineering in China</i> , 2010, 4, 405-413.	0.8	87
171	Analysis of iodide and iodate in Lake Mead, Nevada using a headspace derivatization gas chromatography-mass spectrometry. <i>Environmental Monitoring and Assessment</i> , 2010, 161, 229-236.	1.3	14
172	Formation of hazardous inorganic by-products during electrolysis of seawater as a disinfection process for desalination. <i>Science of the Total Environment</i> , 2010, 408, 5958-5965.	3.9	66

#	ARTICLE	IF	CITATIONS
173	Giardia taxonomy, phylogeny and epidemiology: Facts and open questions. International Journal of Hygiene and Environmental Health, 2010, 213, 321-333.	2.1	133
174	Influence of humic acids of different origins on oxidation of phenol and chlorophenols by permanganate. Journal of Hazardous Materials, 2010, 182, 681-688.	6.5	61
175	Full-scale modelling of an ozone reactor for drinking water treatment. Chemical Engineering Journal, 2010, 157, 551-557.	6.6	57
176	The modelling of ozone mass transfer in static mixers using Back Flow Cell Model. Chemical Engineering Journal, 2010, 162, 557-564.	6.6	17
177	Bromate removal in the ion-exchange process. Desalination, 2010, 261, 197-201.	4.0	49
178	Pilot study of drinking water treatment with GAC, O3/BAC and membrane processes in Kinmen Island, Taiwan. Desalination, 2010, 263, 271-278.	4.0	59
179	Inactivation Effects of UV Irradiation and Ozone Treatment on the Yeast and the Mold in Mineral Water. Journal of Food Protection, 2010, 73, 1537-1542.	0.8	10
180	Characterization of Ozone Disinfection of Murine Norovirus. Applied and Environmental Microbiology, 2010, 76, 1120-1124.	1.4	59
181	Effects of Sodium Chloride Particles, Ozone, UV, and Relative Humidity on Atmospheric Corrosion of Silver. Journal of the Electrochemical Society, 2010, 157, C146.	1.3	82
182	Evaluating the Growth Potential of Pathogenic Bacteria in Water. Applied and Environmental Microbiology, 2010, 76, 6477-6484.	1.4	94
183	Effect of Ammonia and pH Combinations on the Formation of Ozonation and Chlorination By-Products in Bromide-Containing Water. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
184	Application of Perfluorooctylalumina in the Ozonated Decomposition of Humic Acids. Ozone: Science and Engineering, 2010, 32, 265-273.	1.4	4
185	Comparison of Chlorogenerated Disinfection Byproduct Formation from Sequential Use Ozone and Monochloramine with Alternative Disinfection. , 2010, , .		2
187	Water quality of the King Abdullah Canal/Jordanâ€‘impact on eutrophication and water disinfection. Toxicological and Environmental Chemistry, 2010, 92, 855-877.	0.6	6
188	Oxidation of Inorganic Compounds by Ferrate(VI) and Ferrate(V): One-Electron and Two-Electron Transfer Steps. Environmental Science & Technology, 2010, 44, 5148-5152.	4.6	198
189	Pharmaceuticals and personal care products in effluent matrices: A survey of transformation and removal during wastewater treatment and implications for wastewater management. Journal of Environmental Monitoring, 2010, 12, 1956.	2.1	286
190	Kinetics and Mechanisms of <i>N</i> -Nitrosodimethylamine Formation upon Ozonation of <i>N,N</i> -Dimethylsulfamide-Containing Waters: Bromide Catalysis. Environmental Science & Technology, 2010, 44, 5762-5768.	4.6	147
191	Uptake of Bromate Ion on Amorphous Aluminum Hydroxide. Industrial & Engineering Chemistry Research, 2010, 49, 8726-8732.	1.8	14

#	ARTICLE	IF	CITATIONS
192	Halonitromethane formation potentials in drinking waters. <i>Water Research</i> , 2010, 44, 105-114.	5.3	148
193	Oxidative transformation of micropollutants during municipal wastewater treatment: Comparison of kinetic aspects of selective (chlorine, chlorine dioxide, ferrateVI, and ozone) and non-selective oxidants (hydroxyl radical). <i>Water Research</i> , 2010, 44, 555-566.	5.3	632
194	An investigation of the formation of chlorate and perchlorate during electrolysis using Pt/Ti electrodes: The effects of pH and reactive oxygen species and the results of kinetic studies. <i>Water Research</i> , 2010, 44, 5345-5355.	5.3	150
195	Transformation of Bromine Species in TiO <sub>2</sub> Photocatalytic System. <i>Environmental Science &amp; Technology</i> , 2010, 44, 439-444.	4.6	64
196	Inactivation of Vegetative and Sporulated Bacteria by Dry Gaseous Ozone. <i>Ozone: Science and Engineering</i> , 2010, 32, 180-198.	1.4	45
197	New methods to monitor emerging chemicals in the drinkingwater production chain. <i>Journal of Environmental Monitoring</i> , 2010, 12, 80-89.	2.1	31
198	Nano-NiO as a photocatalyst in antimicrobial activity of infected water using laser induced photo-catalysis. , 2011, , .		4
199	Ozone Application in Recirculating Aquaculture System: An Overview. <i>Ozone: Science and Engineering</i> , 2011, 33, 345-367.	1.4	108
200	Amine-Promoted $\beta$ -Elimination of a $\beta$ -Aryloxy Aldehyde for Fluorogenic Chemodosimeters. <i>Journal of Organic Chemistry</i> , 2011, 76, 6860-6865.	1.7	22
201	Calcined Mg-Al Layered Double Hydroxides for Uptake of Trace Levels of Bromate from Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 9280-9285.	1.8	36
202	Standard Gibbs Free Energies of Reactions of Ozone with Free Radicals in Aqueous Solution: Quantum-Chemical Calculations. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9195-9204.	4.6	29
203	Bromate Formation by Ozone-VUV in Comparison with Ozone and Ozone-UV: Effects of pH, Ozone Dose, and VUV Power. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 187-195.	0.7	26
204	Remediation of Fungicide Residues on Fresh Produce by Use of Gaseous Ozone. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6961-6969.	4.6	20
205	Risks of seawater ozonation in recirculation aquaculture – Effects of oxidative stress on animal welfare of juvenile turbot ( <i>Psetta maxima</i> , L.). <i>Aquatic Toxicology</i> , 2011, 105, 508-517.	1.9	50
207	Degradation of nitrofurantoin antibiotics in water by ozonation. , 2011, , .		0
208	Recent Advances in Environmental Risk Assessment of Transformation Products. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3835-3847.	4.6	355
209	Ce Zr <sup>IV</sup> O <sub>2</sub> mixed oxides applied to minimize the bromate formation in the catalytic ozonation of a filtered water. <i>Catalysis Communications</i> , 2011, 15, 99-102.	1.6	20
210	Adsorption of trace levels of bromate from aqueous solution by organo-montmorillonite. <i>Applied Clay Science</i> , 2011, 51, 375-379.	2.6	34

#	ARTICLE	IF	CITATIONS
211	Kinetic assessment and modeling of an ozonation step for full-scale municipal wastewater treatment: Micropollutant oxidation, by-product formation and disinfection. <i>Water Research</i> , 2011, 45, 605-617.	5.3	261
212	Long-term performance of bicarbonate-form anion exchange: Removal of dissolved organic matter and bromide from the St. Johns River, FL, USA. <i>Water Research</i> , 2011, 45, 2875-2886.	5.3	53
213	Impact of ozonation on the genotoxic activity of tertiary treated municipal wastewater. <i>Water Research</i> , 2011, 45, 3681-3691.	5.3	48
214	Ozone oxidation for the alleviation of membrane fouling by natural organic matter: A review. <i>Water Research</i> , 2011, 45, 3551-3570.	5.3	219
215	Efficiency and energy requirements for the transformation of organic micropollutants by ozone, O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> and UV/H <sub>2</sub> O <sub>2</sub> . <i>Water Research</i> , 2011, 45, 3811-3822.	5.3	288
216	Bromate formation in a hybrid ozonation-ceramic membrane filtration system. <i>Water Research</i> , 2011, 45, 5529-5534.	5.3	20
217	Characterization of bromate-reducing bacterial isolates and their potential for drinking water treatment. <i>Water Research</i> , 2011, 45, 6051-6062.	5.3	32
219	Comparing the Formation of Bromate and Bromoform Due to Ozonation and UV-TiO <sub>2</sub> Oxidation in Seawater. <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	5
220	Computational Fluid Dynamics in Drinking-Water Treatment. <i>Water Intelligence Online</i> , 2011, 10, 9781780401003.	0.3	0
222	Analysis of Bromate in Drinking Water Using Liquid Chromatography-Tandem Mass Spectrometry without Sample Pretreatment. <i>Analytical Sciences</i> , 2011, 27, 1091-1095.	0.8	7
224	Bromate removal by anaerobic bacterial community: Mechanism and phylogenetic characterization. <i>Journal of Hazardous Materials</i> , 2011, 197, 237-243.	6.5	29
225	Pilot study on bromate reduction in ozonation of water with low carbonate alkalinities by carbon dioxide. <i>Journal of Environmental Sciences</i> , 2011, 23, 1491-1496.	3.2	6
226	Formation and minimization of bromate ions within non-thermal-plasma advanced oxidation. <i>Desalination</i> , 2011, 280, 273-280.	4.0	10
227	Reducing bromate formation with H <sup>+</sup> -form high silica zeolites during ozonation of bromide-containing water: Effectiveness and mechanisms. <i>Chemosphere</i> , 2011, 82, 608-612.	4.2	30
228	Differential global profiling as a new analytical strategy for revealing micropollutant treatment by-products: Application to ethinylestradiol and chlorination water treatment. <i>Chemosphere</i> , 2011, 83, 1553-1559.	4.2	13
229	The occurrence of bromate and perbromate on BDD anodes during electrolysis of aqueous systems containing bromide: first systematic experimental studies. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 1109-1123.	1.5	43
230	Appraisal of ozone as biologically active molecule and experimental tool in biomedical sciences. <i>Medicinal Chemistry Research</i> , 2011, 20, 1687-1695.	1.1	8
231	Understanding mechanisms of pressure-assisted electrokinetic injection: Application to analysis of bromate, arsenic and selenium species in drinking water by capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 3095-3104.	1.8	33

#	ARTICLE	IF	CITATIONS
232	Bromate formation during ozonation of drinking water: A response surface methodology study. <i>Desalination</i> , 2011, 277, 24-28.	4.0	42
233	Rigorous kinetic modelling with explicit radiation absorption effects of the photocatalytic inactivation of bacteria in water using suspended titanium dioxide. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 404-416.	10.8	38
234	Mesoporous material supported manganese oxides (MnOx/MCM-41) catalytic ozonation of nitrobenzene in water. <i>Applied Catalysis B: Environmental</i> , 2011, , .	10.8	19
235	Oxidation of inorganic contaminants by ferrates (VI, V, and IV)â€“kinetics and mechanisms: A review. <i>Journal of Environmental Management</i> , 2011, 92, 1051-1073.	3.8	238
236	Feâ€“Al layered double hydroxides in bromate reduction: Synthesis and reactivity. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 798-803.	5.0	54
237	Synthesis and bromate reduction of sulfate intercalated Fe(II)â€“Al(III) layered double hydroxides. <i>Separation and Purification Technology</i> , 2011, 80, 652-657.	3.9	25
238	Removal of bromate and associated anions from water by Donnan dialysis with anion-exchange membrane. <i>Desalination and Water Treatment</i> , 2011, 35, 158-163.	1.0	12
239	Pilot Studies of Ozonation for Inactivation of <i>Artemia salina</i> Nauplii in Ballast Water. <i>Ozone: Science and Engineering</i> , 2011, 33, 3-13.	1.4	7
240	Chemical Basis for Water Technology. , 2011, , 429-469.		2
241	Defining Established and Emerging Microbial Risks in the Aquatic Environment: Current Knowledge, Implications, and Outlooks. <i>International Journal of Microbiology</i> , 2011, 2011, 1-15.	0.9	45
242	Microbial Ecology and Global Health. <i>International Journal of Microbiology</i> , 2011, 2011, 1-2.	0.9	1
243	Simultaneous Control of Bromate Ion and Chlorinous Odor in Drinking Water Using an Advanced Oxidation Process ( $O_3/H_2O_2$ ). <i>Ozone: Science and Engineering</i> , 2011, 33, 136-142.	1.4	12
244	Removal of bromate from aqueous solution by corncobs. <i>Desalination and Water Treatment</i> , 2011, 28, 338-344.	1.0	7
245	$O_3/H_2O_2$ Process for Both Removal of Odorous Algal-Derived Compounds and Control of Bromate Ion Formation. <i>Ozone: Science and Engineering</i> , 2011, 33, 121-135.	1.4	41
246	Bicarbonate and Ammonia Depletion in Ozonized Systems with Bromide Ion. <i>Ozone: Science and Engineering</i> , 2011, 33, 425-433.	1.4	6
247	Kinetic and Mechanistic Studies on Reactions of Pyrrolidone Derivatives with Ozone. <i>Ozone: Science and Engineering</i> , 2011, 33, 470-482.	1.4	6
248	Use $KMnO_4$ to Control Bromate Formation during Drinking Water Ozonation: Influencing Factors. <i>Advanced Materials Research</i> , 2012, 499, 405-408.	0.3	0
249	Influence of High Salinity on the Degradation of Humic Acid by UV254 and $H_2O_2/UV254$ . <i>Ozone: Science and Engineering</i> , 2012, 34, 101-108.	1.4	4

#	ARTICLE	IF	CITATIONS
250	Interaction Forces Drive the Environmental Transmission of Pathogenic Protozoa. <i>Applied and Environmental Microbiology</i> , 2012, 78, 905-912.	1.4	51
251	Effects of Halides on Reaction of Nucleosides with Ozone. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2012, 31, 461-473.	0.4	2
252	Influence of Preozonation on the Formation of Chlorination Disinfection By-products – A Case Study: The Åzquiza Reservoir Water. <i>Ozone: Science and Engineering</i> , 2012, 34, 213-224.	1.4	8
253	Effect of Pd(II) Species on Decomposition Reactions of Pyrrolidone Derivatives by Ozone. <i>Ozone: Science and Engineering</i> , 2012, 34, 359-369.	1.4	3
254	Research Advances on Medical Wastewater Disinfection Technologies. <i>Advanced Materials Research</i> , 0, 550-553, 2210-2214.	0.3	0
255	Evaluation of Resistance of Fluoroelastomer to Ozone in Water. <i>Nippon Gomu Kyokaishi</i> , 2012, 85, 81-86.	0.0	2
256	Bromate Formation from Bromide Oxidation by the UV/Persulfate Process. <i>Environmental Science &amp; Technology</i> , 2012, 46, 8976-8983.	4.6	256
257	Advanced Oxidation Processes for Water Treatment. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2112-2113.	2.1	148
258	Historical Overview of the First Two Waves of Bactericidal Agents and Development of the Third Wave of Potent Disinfectants. <i>ACS Symposium Series</i> , 2012, , 129-154.	0.5	14
259	Disinfection by-products in ballast water treatment: An evaluation of regulatory data. <i>Water Research</i> , 2012, 46, 4884-4901.	5.3	101
260	UV-based advanced oxidation processes for the treatment of odour compounds: Efficiency and by-product formation. <i>Water Research</i> , 2012, 46, 5365-5373.	5.3	92
261	Antioxidant Properties of Humic Substances. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4916-4925.	4.6	471
262	On-line capillary isotachopheresis – capillary zone electrophoresis analysis of bromate in drinking waters in an automated analyzer with coupled columns and photometric detection. <i>Journal of Chromatography A</i> , 2012, 1267, 252-258.	1.8	19
263	Evaluation of disinfection efficacy and chemical formation using MPUV ballast water treatment system (GloEn-Patrol <sup>TM</sup> ). <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1953-1961.	1.2	13
264	Evaluation of pretreatments for inhibiting bromate formation during ozonation. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1747-1753.	1.2	29
265	Kinetic model for the radical degradation of tri-halogenomethane disinfection byproducts in water. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1646-1652.	1.4	6
266	The impact of bromide/iodide concentration and ratio on iodinated trihalomethane formation and speciation. <i>Water Research</i> , 2012, 46, 11-20.	5.3	96
267	Investigation of the degradation of cresols in the treatments with ozone. <i>Water Research</i> , 2012, 46, 2795-2804.	5.3	49



#	ARTICLE	IF	CITATIONS
268	Parabola-Like Shaped pH-Rate Profile for Phenols Oxidation by Aqueous Permanganate. Environmental Science & Technology, 2012, 46, 8860-8867.	4.6	89
269	Sensitive and robotic determination of bromate in sea water and drinking deep-sea water by headspace solid-phase micro extraction and gas chromatography-mass spectrometry. Analytica Chimica Acta, 2012, 741, 32-37.	2.6	23
270	Strategies for the removal of halides from drinking water sources, and their applicability in disinfection by-product minimisation: A critical review. Journal of Environmental Management, 2012, 110, 276-298.	3.8	116
271	Synthesis of antibacterial film CTS/PVP/TiO <sub>2</sub> /Ag for drinking water system. Carbohydrate Polymers, 2012, 89, 1060-1066.	5.1	37
272	Optimization of chlorine-based disinfection for the control of disinfection by-products formation and CODMn: A case study. Chemical Engineering Journal, 2012, 197, 116-122.	6.6	9
273	Is the HO <sub>4</sub> <sup>-</sup> Anion a Key Species in the Aqueous Phase Decomposition of Ozone?. Chemistry - A European Journal, 2012, 18, 13435-13445.	1.7	11
275	Quantum Chemical Study of the Initial Step of Ozone Addition to the Double Bond of Ethylene. Journal of Physical Chemistry A, 2012, 116, 10420-10434.	1.1	50
276	Serial ozone/peroxide/low pressure UV treatment for synergistic and effective organic micropollutant conversion. Separation and Purification Technology, 2012, 100, 22-29.	3.9	26
277	Reuse of sewage sludge as a catalyst in ozonation - Efficiency for the removal of oxalic acid and the control of bromate formation. Journal of Hazardous Materials, 2012, 239-240, 381-388.	6.5	56
278	Hydroxyl Radical Oxidation of Cylindrospermopsin (Cyanobacterial Toxin) and Its Role in the Photochemical Transformation. Environmental Science & Technology, 2012, 46, 12608-12615.	4.6	98
279	Characteristics of disinfection by-products reduction in the processes of drinking water treatment system using Nakdong river water. Desalination and Water Treatment, 2012, 43, 159-166.	1.0	5
280	A review of ballast water management practices and challenges in harsh and arctic environments. Environmental Reviews, 2012, 20, 83-108.	2.1	45
281	Evaluation of the ecotoxicity and biological efficacy of ship's ballast water treatment based on hydroxyl radicals technique. Marine Pollution Bulletin, 2012, 64, 2742-2748.	2.3	15
282	Automated solid-phase spectrophotometric system for optosensing of bromate in drinking waters. Analytical Methods, 2012, 4, 1229.	1.3	16
283	Trade-Offs in Disinfection Byproduct Formation Associated with Precursor Preoxidation for Control of N-Nitrosodimethylamine Formation. Environmental Science & Technology, 2012, 46, 4809-4818.	4.6	152
284	Enhanced Bromate Formation during Chlorination of Bromide-Containing Waters in the Presence of CuO: Catalytic Disproportionation of Hypobromous Acid. Environmental Science & Technology, 2012, 46, 11054-11061.	4.6	79
285	Plasma decontamination of gases and liquids. , 0, , 175-215.		0
286	A Discussion Paper on Challenges and Proposals for Advanced Treatments for Potabilization of Wastewater in the Food Industry. , 2012, , .		2



#	ARTICLE	IF	CITATIONS
287	Implementing a protocol for selection and prioritisation of organic contaminants in the drinking water value chain: Case study of Rand Water, South Africa. <i>Water S A</i> , 2012, 38, .	0.2	7
288	Determination of bromate in drinking water by ultraperformance liquid chromatographyâ€“tandem mass spectrometry. <i>Journal of Separation Science</i> , 2012, 35, 2538-2543.	1.3	29
289	Naphthenic acids degradation and toxicity mitigation in tailings wastewater systems and aquatic environments: A review. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1-21.	0.9	112
290	The effects of pH, bromide and nitrite on halonitromethane and trihalomethane formation from amino acids and amino sugars. <i>Chemosphere</i> , 2012, 86, 323-328.	4.2	73
291	Whole effluent toxicity assessment at a wastewater treatment plant upgraded with a full-scale post-ozonation using aquatic key species. <i>Chemosphere</i> , 2012, 88, 1008-1014.	4.2	61
292	Review on bromine in solid fuels. Part 1: Natural occurrence. <i>Fuel</i> , 2012, 95, 1-14.	3.4	32
293	Bacteria and fungi inactivation using Fe <sup>3+</sup> /sunlight, H <sub>2</sub> O <sub>2</sub> /sunlight and near neutral photo-Fenton: A comparative study. <i>Applied Catalysis B: Environmental</i> , 2012, 121-122, 20-29.	10.8	115
294	Empirical modeling of bromate formation during drinking water treatment using hybrid ozonation membrane filtration. <i>Desalination</i> , 2012, 292, 113-118.	4.0	15
295	Bromate removal by electrochemical reduction at boron-doped diamond electrode. <i>Electrochimica Acta</i> , 2012, 62, 181-184.	2.6	53
296	Processes for the elimination of estrogenic steroid hormones from water: A review. <i>Environmental Pollution</i> , 2012, 165, 38-58.	3.7	265
297	Ozonation of corn and potato starch in aqueous solution: effects on the thermal, pasting and structural properties. <i>International Journal of Food Science and Technology</i> , 2012, 47, 1958-1963.	1.3	40
298	The impacts of low-cost treatment options upon scale formation potential in remote communities reliant on hard groundwaters. A case study: Northern Territory, Australia. <i>Science of the Total Environment</i> , 2012, 416, 22-31.	3.9	11
299	Application of UV and UV/H <sub>2</sub> O <sub>2</sub> to seawater: Disinfection and natural organic matter removal. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 233, 40-45.	2.0	39
300	Process analysis and economics of drinking water production from coastal aquifers containing chromophoric dissolved organic matter and bromide using nanofiltration and ozonation. <i>Journal of Environmental Management</i> , 2012, 93, 209-217.	3.8	7
301	Assessing the risk of ballast water treatment to human health. <i>Regulatory Toxicology and Pharmacology</i> , 2012, 62, 513-522.	1.3	29
302	Stoichiometry and products of ozone reaction with chloride ion in an acidic medium. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 757-762.	0.1	13
303	Ultrasound-Assisted Synthesis of Hybrid Phosphomolybdateâ€“Polybenzidine Containing Silver Nanoparticles for Electrocatalytic Detection of Chlorate, Bromate and Iodate Ions in Aqueous Solutions. <i>Electrocatalysis</i> , 2012, 3, 22-29.	1.5	27
304	Oxidative radioiodination of aripiprazole by chloramine-T as a route to a potential brain imaging agent: a mechanistic approach. <i>Radiochemistry</i> , 2013, 55, 116-122.	0.2	17

#	ARTICLE	IF	CITATIONS
305	Elimination of Micropollutants during Post-Treatment of Hospital Wastewater with Powdered Activated Carbon, Ozone, and UV. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7899-7908.	4.6	309
306	Removal of diethyl phthalate from water solution by adsorption, photo-oxidation, ozonation and advanced oxidation process (UV/H <sub>2</sub> O <sub>2</sub> , O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> and O <sub>3</sub> /activated carbon). <i>Science of the Total Environment</i> , 2013, 442, 26-35.	3.9	91
307	Suitability of semi-quantitative inductive coupled plasma-mass spectrometry for multi-elemental screening in water contamination warning system. <i>Journal of Applied Spectroscopy</i> , 2013, 80, 437-448.	0.3	3
308	Pilot scale study of chlorination-induced transport property changes of a seawater reverse osmosis membrane. <i>Desalination</i> , 2013, 311, 24-30.	4.0	17
309	Quality assessment of various bottled waters marketed in Saudi Arabia. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 6397-6406.	1.3	34
310	Simultaneous humic acid removal and bromate control by O <sub>3</sub> and UV/O <sub>3</sub> processes. <i>Chemical Engineering Journal</i> , 2013, 232, 74-80.	6.6	32
311	Simultaneous Adsorption/Reduction of Bromate by Nanoscale Zerovalent Iron Supported on Modified Activated Carbon. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 12574-12581.	1.8	93
312	Factors affecting formation of chemical by-products during ballast water treatment based on an advanced oxidation process. <i>Chemical Engineering Journal</i> , 2013, 231, 427-433.	6.6	36
313	Speciation and formation of iodinated trihalomethane from microbially derived organic matter during the biological treatment of micro-polluted source water. <i>Chemosphere</i> , 2013, 92, 1529-1535.	4.2	11
314	Estimation of CO <sub>2</sub> emission from water treatment plant – Model development and application. <i>Journal of Environmental Management</i> , 2013, 131, 74-81.	3.8	25
315	Enhanced Inactivation of <i>Bacillus subtilis</i> Spores during Solar Photolysis of Free Available Chlorine. <i>Environmental Science &amp; Technology</i> , 2013, 47, 12976-12984.	4.6	77
316	Control-Oriented Modeling and Real-Time Control for the Ozone Dosing Process of Drinking Water Treatment. <i>Environmental Science &amp; Technology</i> , 2013, 47, 2197-2203.	4.6	6
317	Formation and inhibition of bromate during ferrate(VI) – Ozone oxidation process. <i>Separation and Purification Technology</i> , 2013, 118, 653-658.	3.9	24
318	Treatment of micropollutants in municipal wastewater: Ozone or powdered activated carbon?. <i>Science of the Total Environment</i> , 2013, 461-462, 480-498.	3.9	617
319	On the formation of bromate and chlorate ions during electrolysis with boron doped diamond anode for seawater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 2244-2251.	1.6	34
320	The Influence of the Removal of Specific NOM Compounds by Anion Exchange on Ozone Demand, Disinfection Capacity, and Bromate Formation. <i>Ozone: Science and Engineering</i> , 2013, 35, 283-294.	1.4	1
321	Bacterial diversity from the source to the tap: a comparative study based on 16S rRNA gene-DGGE and culture-dependent methods. <i>FEMS Microbiology Ecology</i> , 2013, 83, 361-374.	1.3	104
322	Ultrasound-assisted adsorption of 4-dodecylbenzene sulfonate from aqueous solutions by corn cob activated carbon. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 955-962.	3.8	46

#	ARTICLE	IF	CITATIONS
323	Chlorination of bisphenol A: Non-targeted screening for the identification of transformation products and assessment of estrogenicity in generated water. <i>Chemosphere</i> , 2013, 93, 2814-2822.	4.2	30
324	Dechlorination of tetrachloro-o-benzoquinone by ozonation catalyzed by cesium loaded metal oxides. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 149-160.	10.8	38
325	Mapping of drinking water research: A bibliometric analysis of research output during 1992-2011. <i>Science of the Total Environment</i> , 2013, 443, 757-765.	3.9	202
326	Inactivation characteristics of ozone and electrolysis process for ballast water treatment using <i>B. subtilis</i> spores as a probe. <i>Marine Pollution Bulletin</i> , 2013, 72, 71-79.	2.3	26
327	Pharmaceuticals and organic pollution mitigation in reclamation osmosis brines by UV/H <sub>2</sub> O <sub>2</sub> and ozone. <i>Journal of Hazardous Materials</i> , 2013, 263, 268-274.	6.5	99
328	Solar Advanced Oxidation Processes as disinfection tertiary treatments for real wastewater: Implications for water reclamation. <i>Applied Catalysis B: Environmental</i> , 2013, 136-137, 341-350.	10.8	95
329	Degradation of Diclofenac by Advanced Oxidation and Reduction Processes: Kinetic Studies, Degradation Pathways and Toxicity Assessments. <i>Water Research</i> , 2013, 47, 1909-1918.	5.3	267
330	Ozonation of iodide-containing waters: Selective oxidation of iodide to iodate with simultaneous minimization of bromate and I-THMs. <i>Water Research</i> , 2013, 47, 1953-1960.	5.3	93
331	Antimicrobial Contamination Removal from Environmentally Relevant Matrices: A Literature Review and a Comparison of Three Processes for Drinking Water Treatment. <i>Ozone: Science and Engineering</i> , 2013, 35, 73-85.	1.4	10
332	Process Control For Ozonation Systems: A Novel Real-Time Approach. <i>Ozone: Science and Engineering</i> , 2013, 35, 168-185.	1.4	35
333	The effects of matrices and ozone dose on changes in the characteristics of natural organic matter. <i>Chemical Engineering Journal</i> , 2013, 222, 435-443.	6.6	41
334	Prevention of fungal infestation of rainbow trout ( <i>Oncorhynchus mykiss</i> ) eggs using UV irradiation of the hatching water. <i>Aquacultural Engineering</i> , 2013, 55, 9-15.	1.4	7
335	Chlorination of bromide-containing waters: Enhanced bromate formation in the presence of synthetic metal oxides and deposits formed in drinking water distribution systems. <i>Water Research</i> , 2013, 47, 5307-5315.	5.3	41
336	Extraction-photometric selective determination of trace perchlorates in potable waters. <i>Journal of Analytical Chemistry</i> , 2013, 68, 590-594.	0.4	2
337	Disinfection of Seawater: Application of UV and Ozone. <i>Ozone: Science and Engineering</i> , 2013, 35, 63-70.	1.4	23
338	Electrochemical removal of bromate from drinking water. <i>Desalination and Water Treatment</i> , 2013, 51, 2889-2894.	1.0	5
339	Comparison of Permanganate Preoxidation and Preozonation on Algae Containing Water: Cell Integrity, Characteristics, and Chlorinated Disinfection Byproduct Formation. <i>Environmental Science &amp; Technology</i> , 2013, 47, 14051-14061.	4.6	224
340	Reaction of Gadolinium Chelates with Ozone and Hydroxyl Radicals. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9942-9949.	4.6	11

#	ARTICLE	IF	CITATIONS
341	Oxidation of Manganese(II) during Chlorination: Role of Bromide. <i>Environmental Science &amp; Technology</i> , 2013, 47, 8716-8723.	4.6	60
342	Bromate Control by UVC and UVA Treatment in Drinking Water. <i>Advanced Materials Research</i> , 0, 807-809, 1455-1458.	0.3	0
343	Physicochemical Quality and Chemical Safety of Chlorine as a Reconditioning Agent and Wash Water Disinfectant for Fresh-Cut Lettuce Washing. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2850-2861.	1.4	178
344	Effective Inhibition of Bromate Formation with a Granular Molecular Sieve Catalyst Ce-MCM-48 during Ozonation: Pilot-Scale Study. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 235-240.	0.7	6
345	Highly efficient catalytic reduction of bromate in water over a quasi-monodisperse, superparamagnetic Pd/Fe <sub>3</sub> O <sub>4</sub> catalyst. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9215.	5.2	46
346	Survey of Seawater Intrusion in the Pearl River Basin and Modeling Bromate Formation during Ozonation of the Raw Water. <i>Ozone: Science and Engineering</i> , 2013, 35, 465-471.	1.4	3
347	Heterogeneous catalytic ozonation of diethyl phthalate. <i>Desalination and Water Treatment</i> , 2013, 51, 6698-6710.	1.0	15
349	Bromine as a Potential Threat to the Aquatic Environment in Areas of Mining Operations. <i>Gospodarka Surowcami Mineralnymi / Mineral Resources Management</i> , 2013, 29, 135-153.	0.2	3
350	Application of Hybrid Process of Coagulation/Flocculation and Membrane Filtration for the Removal of Protozoan Parasites from Water. , 0, , .		1
351	Removal of Perchlorate Ion in Tap Water with Montmorillonite Modified with Hexadecylpyridinium Chloride. <i>Journal of Ion Exchange</i> , 2014, 25, 184-190.	0.1	5
352	Advanced Oxidation Processes: Applications in Drinking Water Treatment. , 2014, , 148-172.		28
354	Advanced Treatment Process for Pharmaceuticals, Endocrine Disruptors, and Flame Retardants Removal. <i>Water Environment Research</i> , 2014, 86, 111-122.	1.3	20
355	Formation potentials of bromate and brominated disinfection by-products in bromide-containing water by ozonation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13987-14003.	2.7	18
356	Comparison Study on Hospital Wastewater Disinfection Technology. <i>Advanced Materials Research</i> , 0, 884-885, 41-45.	0.3	10
357	Inhibition of Nano-Metal Oxides on Bromate Formation during Ozonation Process. <i>Ozone: Science and Engineering</i> , 2014, 36, 549-559.	1.4	12
358	Effect of blending ratio on the formation of bromoform and bromate in blended water samples disinfected with chlorine or ozone. <i>International Journal of Environmental Engineering</i> , 2014, 6, 349.	0.1	0
359	Preparation, characterization, and iodide sorption performance of silver-loaded mesoporous MCM-41. <i>Desalination and Water Treatment</i> , 0, , 1-10.	1.0	3
360	Formation of Bromate and Chlorate during Ozonation and Electrolysis in Seawater for Ballast Water Treatment. <i>Ozone: Science and Engineering</i> , 2014, 36, 515-525.	1.4	38

#	ARTICLE	IF	CITATIONS
361	Electrochemical Advanced Oxidation Processes, Formation of Halogenate and Perhalogenate Species: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 348-390.	6.6	66
362	Ion-exchange membrane processes for $\text{Br}^-$ and $\text{BrO}_3^-$ ion removal from water and for recovery of salt from waste solution. <i>Desalination</i> , 2014, 342, 175-182.	4.0	28
363	Rate and extent NOM removal during oxidation and biofiltration. <i>Water Research</i> , 2014, 52, 40-50.	5.3	45
364	Formation of bromate in sulfate radical based oxidation: Mechanistic aspects and suppression by dissolved organic matter. <i>Water Research</i> , 2014, 53, 370-377.	5.3	119
365	Vacuum-UV radiation at 185 nm in water treatment – A review. <i>Water Research</i> , 2014, 52, 131-145.	5.3	272
366	On identifiability for chemical systems from measurable variables. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 1023-1035.	0.7	2
367	E. coli and bacteriophage MS2 disinfection by UV, ozone and the combined UV and ozone processes. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 547-552.	3.3	41
368	Effects of bromide and iodide ions on the formation of disinfection by-products during ozonation and subsequent chlorination of water containing biological source matters. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2714-2723.	2.7	25
369	Effect of solar simulated N-doped $\text{TiO}_2$ photocatalysis on the inactivation and antibiotic resistance of an E. coli strain in biologically treated urban wastewater. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 369-378.	10.8	176
370	Oxidative treatment of bromide-containing waters: Formation of bromine and its reactions with inorganic and organic compounds – A critical review. <i>Water Research</i> , 2014, 48, 15-42.	5.3	412
371	A G4MP2 and G4 theoretical study on reactions occurring during the ozonation of bromide containing waters. <i>Computational and Theoretical Chemistry</i> , 2014, 1031, 22-33.	1.1	4
372	Ozone Disinfection. , 2014, , 599-615.		16
373	Adsorption equilibrium, kinetics and thermodynamics of dichloroacetic acid from aqueous solution using mesoporous carbon. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1962-1970.	1.2	9
374	Effect of low- and medium-pressure Hg UV irradiation on bromate removal in advanced reduction process. <i>Chemosphere</i> , 2014, 117, 663-672.	4.2	62
375	Effects of ozonation on disinfection byproduct formation and speciation during subsequent chlorination. <i>Chemosphere</i> , 2014, 117, 515-520.	4.2	63
376	Mobile Water Kit (MWK): a smartphone compatible low-cost water monitoring system for rapid detection of total coliform and E. coli. <i>Analytical Methods</i> , 2014, 6, 6236.	1.3	45
377	Enhanced Formation of Disinfection Byproducts in Shale Gas Wastewater-Impacted Drinking Water Supplies. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11161-11169.	4.6	157
378	Prediction of micropollutant elimination during ozonation of a hospital wastewater effluent. <i>Water Research</i> , 2014, 64, 134-148.	5.3	198

#	ARTICLE	IF	CITATIONS
379	The fate and importance of organics in drinking water treatment: a review. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11794-11810.	2.7	29
380	Orthogonal experiments for controlling the formation of DBPs during preozonation of bromide-containing raw water. <i>Transactions of Tianjin University</i> , 2014, 20, 189-196.	3.3	2
381	Microbubble technology: emerging field for water treatment. <i>Bubble Science, Engineering &amp; Technology</i> , 2014, 5, 33-38.	0.2	12
382	Palladium supported on amino functionalized magnetic MCM-41 for catalytic hydrogenation of aqueous bromate. <i>RSC Advances</i> , 2014, 4, 38743-38749.	1.7	12
383	Degradation of dibromophenols by UV irradiation. <i>Journal of Environmental Sciences</i> , 2014, 26, 1284-1288.	3.2	8
384	The impact of climate change on the treatability of dissolved organic matter (DOM) in upland water supplies: A UK perspective. <i>Science of the Total Environment</i> , 2014, 473-474, 714-730.	3.9	166
385	Naphthalene degradation in seawater by UV irradiation: The effects of fluence rate, salinity, temperature and initial concentration. <i>Marine Pollution Bulletin</i> , 2014, 81, 149-156.	2.3	53
386	Photo-assisted electrochemical treatment of municipal wastewater reverse osmosis concentrate. <i>Chemical Engineering Journal</i> , 2014, 249, 180-188.	6.6	45
387	Advances Made in Understanding the Interaction of Ferrate(VI) with Natural Organic Matter in Water. , 2014, , 183-197.		6
388	A sensitive flow-based procedure for spectrophotometric speciation analysis of inorganic bromine in waters. <i>Talanta</i> , 2014, 129, 93-99.	2.9	13
389	Effect of seawater intrusion on formation of bromine-containing trihalomethanes and haloacetic acids during chlorination. <i>Desalination</i> , 2014, 345, 85-93.	4.0	54
391	Comparative evaluation of ozonation and stripping methods to treat contaminated groundwater by trichloroethylene. Assessment of effects on the other matrix components. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 943-951.	3.3	6
393	EXAMINATION OF CONTROL FACTOR IN OZONE/HYDROGEN PEROXIDE TREATMENT. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2014, 70, III_95-III_102.	0.1	0
394	Simultaneous Irradiation with Different Wavelengths of Ultraviolet Light has Synergistic Bactericidal Effect on <i>Vibrio parahaemolyticus</i> . <i>Photochemistry and Photobiology</i> , 2014, 90, 1397-1403.	1.3	41
395	Progress in Slow Sand and Alternative Biofiltration Processes. <i>Water Intelligence Online</i> , 0, 13, .	0.3	2
396	Human Pharmaceuticals, Hormones and Fragrances - The Challenge of Micropollutants in Urban Water Management. <i>Water Intelligence Online</i> , 2015, 5, 9781780402468-9781780402468.	0.3	49
397	Bromate Adsorption on Three Variable Charge Soils: Kinetics and Thermodynamics. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1072-1077.	0.7	1
398	Intermediates in the cation reactions in solution probed by an in situ surface enhanced Raman scattering method. <i>Scientific Reports</i> , 2015, 5, 13759.	1.6	6



#	ARTICLE	IF	CITATIONS
399	Control of the Ozonation by-Products by O <sub>3</sub> /BAC in Shanxi Yellow River Water Treatment. <i>Advanced Materials Research</i> , 0, 1119, 408-412.	0.3	1
400	A pilot-scale investigation of ozonation and advanced oxidation processes at Choa Chu Kang Waterworks. <i>Water Practice and Technology</i> , 2015, 10, 43-49.	1.0	1
401	Effects of water matrix and ozonation on natural organic matter fractionation and corresponding disinfection by-products formation. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 75-83.	1.0	13
402	Efficacy of vacuum ultraviolet photolysis for bromate and chlorate removal. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 810-816.	1.0	4
403	Rapid Removal of Tetrabromobisphenol A by Ozonation in Water: Oxidation Products, Reaction Pathways and Toxicity Assessment. <i>PLoS ONE</i> , 2015, 10, e0139580.	1.1	49
404	Effect of Disinfectants on Preventing the Cross-Contamination of Pathogens in Fresh Produce Washing Water. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 8658-8677.	1.2	163
405	Overview of Emerging Contaminants and Associated Human Health Effects. <i>BioMed Research International</i> , 2015, 2015, 1-12.	0.9	133
406	Photocatalytic ozonation: Maximization of the reaction rate and control of undesired by-products. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 37-43.	10.8	36
407	Debromination and decomposition of bromoform by contact glow discharge electrolysis in an aqueous solution. <i>Electrochimica Acta</i> , 2015, 165, 390-395.	2.6	10
408	Removal and inactivation of virus by drinking water treatment in the presence of bromide or iodide. <i>Journal of Water Chemistry and Technology</i> , 2015, 37, 96-101.	0.2	5
409	Formation and speciation of disinfection byproducts during chlor(am)ination of aquarium seawater. <i>Journal of Environmental Sciences</i> , 2015, 33, 116-124.	3.2	16
410	Toxication by Transformation in Conventional and Advanced Wastewater Treatment: The Antiviral Drug Acyclovir. <i>Environmental Science and Technology Letters</i> , 2015, 2, 342-346.	3.9	52
411	Ozone-Bromine Treatment “Water Treatment in Public Pools without Chlorine: A New Standard?. <i>Ozone: Science and Engineering</i> , 2015, 37, 456-466.	1.4	9
412	Reaction of aqueous iodide at high concentration with O <sub>3</sub> and O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> in the presence of natural organic matter: implications for drinking water treatment. <i>Environmental Chemistry Letters</i> , 2015, 13, 453-458.	8.3	15
413	Formation of disinfection byproducts in a recirculating mariculture system: emerging concerns. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 471-477.	1.7	10
414	Disinfection methods and by-products formation. <i>Desalination and Water Treatment</i> , 2015, 56, 1150-1161.	1.0	17
415	What have we learned from worldwide experiences on the management and treatment of hospital effluent? An overview and a discussion on perspectives. <i>Science of the Total Environment</i> , 2015, 514, 467-491.	3.9	242
416	Detection of Bromine by ICP-TOF-MS Following Photochemical Vapor Generation. <i>Analytical Chemistry</i> , 2015, 87, 3072-3079.	3.2	52

#	ARTICLE	IF	CITATIONS
417	Exploring the Aqueous Vertical Ionization of Organic Molecules by Molecular Simulation and Liquid Microjet Photoelectron Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 238-256.	1.2	32
418	Effects of Semicontinuous and Batch System Ozonation on Wheat and Corn Starches. <i>Ozone: Science and Engineering</i> , 2015, 37, 71-77.	1.4	4
419	Rapid inactivation of waterborne bacteria using boron-doped diamond electrodes. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 3061-3070.	1.8	22
420	Adsorption-coupled reduction of bromate by Fe(II)–Al(III) layered double hydroxide in fixed-bed column: Experimental and breakthrough curves analysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 54-59.	2.9	44
421	Overview of Disinfection By-products and Associated Health Effects. <i>Current Environmental Health Reports</i> , 2015, 2, 107-115.	3.2	198
422	Methodology for modeling the disinfection efficiency of fresh-cut leafy vegetables wash water applied on peracetic acid combined with lactic acid. <i>International Journal of Food Microbiology</i> , 2015, 208, 102-113.	2.1	45
423	Combination of UV absorbance and electron donating capacity to assess degradation of micropollutants and formation of bromate during ozonation of wastewater effluents. <i>Water Research</i> , 2015, 81, 388-397.	5.3	95
424	Development of Prediction Models for the Reactivity of Organic Compounds with Ozone in Aqueous Solution by Quantum Chemical Calculations: The Role of Delocalized and Localized Molecular Orbitals. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9925-9935.	4.6	83
425	Impact of pre-ozonation on disinfection by-product formation and speciation from chlor(am)ination of algal organic matter of <i>Microcystis aeruginosa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 256-262.	2.9	53
426	Removal of bromide and bromate from drinking water using granular activated carbon. <i>Journal of Water and Health</i> , 2015, 13, 73-78.	1.1	13
427	Cerium incorporated MCM-48 (Ce-MCM-48) as a catalyst to inhibit bromate formation during ozonation of bromide-containing water: Efficacy and mechanism. <i>Water Research</i> , 2015, 86, 2-8.	5.3	37
428	Efficacy of Ozone to Reduce Chlorinated Disinfection By-Products in Quebec (Canada) Drinking Water Facilities. <i>Ozone: Science and Engineering</i> , 2015, 37, 294-305.	1.4	6
429	Photometric redox determination of iodate ions in bottled drinking water. <i>Journal of Analytical Chemistry</i> , 2015, 70, 573-577.	0.4	2
430	Characterization of Particles from Ferrate Preoxidation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4955-4962.	4.6	100
431	Mechanism for the oxidation of phenol by sulfatoferrate(VI): Comparison with various oxidants. <i>Journal of Environmental Management</i> , 2015, 157, 287-296.	3.8	34
432	Novel test procedure to evaluate the treatability of wastewater with ozone. <i>Water Research</i> , 2015, 75, 324-335.	5.3	87
433	Photometric redox determination of bromate ions in drinking water. <i>Journal of Analytical Chemistry</i> , 2015, 70, 143-147.	0.4	3
434	Formation of disinfection by-products during ballast water treatment with ozone, chlorine, and peracetic acid: influence of water quality parameters. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 465-480.	1.2	65



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435	Selection Criteria for Water Disinfection Techniques in Agricultural Practices. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 1529-1551.	5.4	59
436	Combined Effect of Ultrasound and Ozone on Bacteria in Water. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11697-11702.	4.6	39
437	Immobilized photosensitizers for antimicrobial applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 150, 11-30.	1.7	124
438	Molecular Mechanism of NDMA Formation from <i>N,N</i> -Dimethylsulfamide During Ozonation: Quantum Chemical Insights into a Bromide-Catalyzed Pathway. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4163-4175.	4.6	53
439	Effect of pH and molar ratio of pollutant to oxidant on a photochemical advanced oxidation process using hypochlorite. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2436-2442.	1.2	19
440	Towards reducing DBP formation potential of drinking water by favouring direct ozone over hydroxyl radical reactions during ozonation. <i>Water Research</i> , 2015, 87, 49-58.	5.3	116
441	A New Reaction Pathway for Bromite to Bromate in the Ozonation of Bromide. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11714-11720.	4.6	65
442	Kinetic model of the ozone oxidation by-product bromate removal by nanoparticle zero iron. <i>Desalination and Water Treatment</i> , 2015, 53, 469-474.	1.0	1
443	Biomonitoring of human exposures to chlorinated derivatives and structural analogs of bisphenol A. <i>Environment International</i> , 2015, 85, 352-379.	4.8	96
444	Bromine and water quality – Selected aspects and future perspectives. <i>Applied Geochemistry</i> , 2015, 63, 413-435.	1.4	54
445	Fate of <i>Escherichia coli</i> O157:H7 and <i>Salmonella enterica</i> in the manure-amended soil-plant ecosystem of fresh vegetable crops: A review. <i>Critical Reviews in Microbiology</i> , 2015, 41, 273-294.	2.7	57
446	Extreme weather events: Should drinking water quality management systems adapt to changing risk profiles?. <i>Water Research</i> , 2015, 85, 124-136.	5.3	170
447	Impact of hydrodynamics on pollutant degradation and energy efficiency of VUV/UV and H <sub>2</sub> O <sub>2</sub> /UV oxidation processes. <i>Journal of Environmental Management</i> , 2015, 164, 114-120.	3.8	18
448	Sulfate radical-based water treatment in presence of chloride: Formation of chlorate, inter-conversion of sulfate radicals into hydroxyl radicals and influence of bicarbonate. <i>Water Research</i> , 2015, 72, 349-360.	5.3	376
449	Electrochemical disinfection using boron-doped diamond electrode – The synergetic effects of in situ ozone and free chlorine generation. <i>Chemosphere</i> , 2015, 121, 47-53.	4.2	102
450	Novel technologies for reverse osmosis concentrate treatment: A review. <i>Journal of Environmental Management</i> , 2015, 150, 322-335.	3.8	135
451	Inhibition of bromate formation during drinking water treatment by adapting ozonation to electro-peroxone process. <i>Chemical Engineering Journal</i> , 2015, 264, 322-328.	6.6	82
452	Arsenic contamination, consequences and remediation techniques: A review. <i>Ecotoxicology and Environmental Safety</i> , 2015, 112, 247-270.	2.9	863

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453	Fabrication of a low-cost cementitious catalytic membrane for p-chloronitrobenzene degradation using a hybrid ozonation-membrane filtration system. <i>Chemical Engineering Journal</i> , 2015, 262, 904-912.	6.6	31
454	Multiple linear regression model for bromate formation based on the survey data of source waters from geographically different regions across China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1232-1239.	2.7	1
455	An ESIPT based fluorescent probe for highly selective and ratiometric detection of periodate. <i>Biosensors and Bioelectronics</i> , 2015, 63, 513-518.	5.3	29
456	Disinfection of potable water sources on animal farms and their microbiological safety. <i>Veterinarni Medicina</i> , 2016, 61, 173-186.	0.2	2
457	Interaction of Atmospheric-Pressure Air Microplasma with Amino Acids as Fundamental Processes in Aqueous Solution. <i>PLoS ONE</i> , 2016, 11, e0155584.	1.1	94
458	Applications of biofiltration in drinking water treatment—A review. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 585-595.	1.6	68
459	The practicality of using ozone with fruit and vegetables. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 4637-4643.	1.7	32
460	Effects of pressure and pressure cycling on disinfection of <i>Enterococcus</i> sp. in seawater using pressurized carbon dioxide with different content rates. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 930-937.	0.9	3
461	Chapter 6 Injected Reagent-Based Remedies. , 2016, , 173-322.		0
462	Disinfection effect of pressurized carbon dioxide on <i>Escherichia coli</i> and <i>Enterococcus</i> sp. in seawater. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 1735-1744.	1.0	1
463	On-line monitoring of ozonation through estimation of Ct value, bromate and AOC formation with UV/Vis spectrometry. <i>Analytical Methods</i> , 2016, 8, 3148-3155.	1.3	5
464	Electron beam treatment for potable water reuse: Removal of bromate and perfluorooctanoic acid. <i>Chemical Engineering Journal</i> , 2016, 302, 58-68.	6.6	71
465	Formation of brominated phenolic contaminants from natural manganese oxides-catalyzed oxidation of phenol in the presence of Br <sup>-</sup> . <i>Chemosphere</i> , 2016, 155, 266-273.	4.2	14
466	Selective photometric redox determination of periodate and iodate ions in bottled drinking water. <i>Journal of Analytical Chemistry</i> , 2016, 71, 248-252.	0.4	2
467	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
468	Thermo-activated persulfate oxidation system for tetracycline antibiotics degradation in aqueous solution. <i>Chemical Engineering Journal</i> , 2016, 298, 225-233.	6.6	269
469	Cobalt catalyzed peroxymonosulfate oxidation of tetrabromobisphenol A: Kinetics, reaction pathways, and formation of brominated by-products. <i>Journal of Hazardous Materials</i> , 2016, 313, 229-237.	6.5	122
470	Generation of sulfate radical through heterogeneous catalysis for organic contaminants removal: Current development, challenges and prospects. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 169-201.	10.8	1,966

#	ARTICLE	IF	CITATIONS
471	A mini review of preoxidation to improve coagulation. <i>Chemosphere</i> , 2016, 155, 550-563.	4.2	113
472	Simultaneous removal of multiple odorants from source water suffering from septic and musty odors: Verification in a full-scale water treatment plant with ozonation. <i>Water Research</i> , 2016, 100, 1-6.	5.3	56
473	Bromate Reduction by <i>Rhodococcus</i> sp. Br-6 in the Presence of Multiple Redox Mediators. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10527-10534.	4.6	8
474	Influence of solution chemistry on the inactivation of particle-associated viruses by UV irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 622-628.	2.5	18
475	Halide removal from aqueous solution by novel silver-polymeric materials. <i>Science of the Total Environment</i> , 2016, 573, 1125-1131.	3.9	18
476	Synergistic effect of pressurized carbon dioxide and sodium hypochlorite on the inactivation of <i>Enterococcus</i> sp. in seawater. <i>Water Research</i> , 2016, 106, 204-213.	5.3	15
477	Identification of transformation products during advanced oxidation of diatrizoate: Effect of water matrix and oxidation process. <i>Water Research</i> , 2016, 103, 424-434.	5.3	16
478	A novel advanced oxidation process using iron electrodes and ozone in atrazine degradation: Performance and mechanism. <i>Chemical Engineering Journal</i> , 2016, 306, 719-725.	6.6	34
479	Removal of Adsorbable Organic Halides from Water Containing Bromide Ions by Conventional and Advanced Oxidation. <i>Ozone: Science and Engineering</i> , 2016, 38, 452-464.	1.4	1
480	Effect of oxidation and catalytic reduction of trace organic contaminants on their activated carbon adsorption. <i>Chemosphere</i> , 2016, 165, 191-201.	4.2	17
482	UV treatment for the removal of bromate formed during ozonation of groundwater. Influence of the oxidation process on the removal efficiency. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3293-3302.	3.3	3
483	Ozone in Food Processing: Impact on Food Products Attributes. , 2016, , 517-552.		0
484	Inactivation of Antibiotic Resistant Bacteria and Resistance Genes by Ozone: From Laboratory Experiments to Full-Scale Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11862-11871.	4.6	175
485	Spectrophotometric Method for Determination of Ozone Residual in Water Using ABTS: 2,2'-Azino-Bis(3-Ethylbenzothiazoline-6-Sulfonate). <i>Ozone: Science and Engineering</i> , 2016, 38, 373-381.	1.4	10
487	Bromate removal by gamma irradiation in aqueous solutions. <i>Nuclear Science and Techniques/Hewuli</i> , 2016, 27, 1.	1.3	0
488	Influence of Seasonal Variation of Water Temperature and Dissolved Organic Matter on Ozone and OH Radical Reaction Kinetics During Ozonation of a Lake Water. <i>Ozone: Science and Engineering</i> , 2016, 38, 100-114.	1.4	20
489	Emerging investigators series: the efficacy of chlorine photolysis as an advanced oxidation process for drinking water treatment. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 565-579.	1.2	139
490	Formation and determination of organohalogen by-products in water – Part I. Discussing the parameters influencing the formation of organohalogen by-products and the relevance of estimating their concentration using the AOX (adsorbable organic halide) method. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 273-280.	5.8	27

#	ARTICLE	IF	CITATIONS
491	Molecular characterization of low molecular weight dissolved organic matter in water reclamation processes using Orbitrap mass spectrometry. <i>Water Research</i> , 2016, 100, 526-536.	5.3	146
492	Pathway fraction of bromate formation during O <sub>3</sub> and O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> processes in drinking water treatment. <i>Chemosphere</i> , 2016, 144, 2436-2442.	4.2	22
493	Removal of Residual Dissolved Ozone with Manganese Dioxide for Process Control with UV <sub>254</sub> . <i>Ozone: Science and Engineering</i> , 2016, 38, 79-85.	1.4	5
494	Degradation of trimethoprim by thermo-activated persulfate oxidation: Reaction kinetics and transformation mechanisms. <i>Chemical Engineering Journal</i> , 2016, 286, 16-24.	6.6	122
495	Removal of pharmaceuticals from secondary effluents by an electro-peroxone process. <i>Water Research</i> , 2016, 88, 826-835.	5.3	118
496	Reduction of bromate from water by zero-valent iron immobilized on functional polypropylene fiber. <i>Chemical Engineering Journal</i> , 2016, 292, 190-198.	6.6	33
497	Heterogeneous catalytic ozonation of natural organic matter with goethite, cerium oxide and magnesium oxide. <i>RSC Advances</i> , 2016, 6, 14730-14740.	1.7	32
498	Photocatalytic Disinfection and Removal of Emerging Pollutants from Effluents of Biological Wastewater Treatments, Using a Newly Developed Large-Scale Solar Simulator. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 2952-2958.	1.8	38
499	Improvement of cutaneous microcirculation by cold atmospheric plasma (CAP): Results of a controlled, prospective cohort study. <i>Microvascular Research</i> , 2016, 104, 55-62.	1.1	72
500	Formation of Bromate and Halogenated Disinfection Byproducts during Chlorination of Bromide-Containing Waters in the Presence of Dissolved Organic Matter and CuO. <i>Environmental Science &amp; Technology</i> , 2016, 50, 135-144.	4.6	48
501	Contribution of the Antibiotic Chloramphenicol and Its Analogues as Precursors of Dichloroacetamide and Other Disinfection Byproducts in Drinking Water. <i>Environmental Science &amp; Technology</i> , 2016, 50, 388-396.	4.6	84
502	Experimental Investigation on the Microbial Inactivation of Domestic Well Drinking Water using Ozone under Different Treatment Conditions. <i>Ozone: Science and Engineering</i> , 2016, 38, 25-35.	1.4	9
503	Perfluorooctanoic Acid Degradation Using UV <sup>254</sup> -Persulfate Process: Modeling of the Degradation and Chlorate Formation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 772-781.	4.6	294
504	Modeling the Kinetics of Contaminants Oxidation and the Generation of Manganese(III) in the Permanganate/Bisulfite Process. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1473-1482.	4.6	101
505	Comparing a silver-impregnated activated carbon with an unmodified activated carbon for disinfection by-product minimisation and precursor removal. <i>Science of the Total Environment</i> , 2016, 542, 672-684.	3.9	31
506	Impact of bromide on halogen incorporation into organic moieties in chlorinated drinking water treatment and distribution systems. <i>Science of the Total Environment</i> , 2016, 541, 1572-1580.	3.9	35
507	Perchlorate formation during the electro-peroxone treatment of chloride-containing water: Effects of operational parameters and control strategies. <i>Water Research</i> , 2016, 88, 691-702.	5.3	68
508	Ozonation of piperidine, piperazine and morpholine: Kinetics, stoichiometry, product formation and mechanistic considerations. <i>Water Research</i> , 2016, 88, 960-971.	5.3	28

#	ARTICLE	IF	CITATIONS
509	Water Pollution and Water Quality Control of Selected Chinese Reservoir Basins. Handbook of Environmental Chemistry, 2016, , .	0.2	7
510	Study on the mechanism of cerium oxide catalytic ozonation for controlling the formation of bromate in drinking water. Desalination and Water Treatment, 2016, 57, 15533-15546.	1.0	14
511	Photocatalysis of THM precursors in reclaimed water: the application of TiO <sub>2</sub> in UV irradiation. Desalination and Water Treatment, 2016, 57, 9136-9147.	1.0	3
512	On the capacity of ozonation to remove antimicrobial compounds, resistant bacteria and toxicity from urban wastewater effluents. Journal of Hazardous Materials, 2017, 323, 414-425.	6.5	47
513	Effects of bromide on the degradation of organic contaminants with UV and Fe <sup>2+</sup> activated persulfate. Chemical Engineering Journal, 2017, 318, 206-213.	6.6	53
514	Novel pre-treatments to control bromate formation during ozonation. Journal of Hazardous Materials, 2017, 323, 452-459.	6.5	13
515	Effect of Ozonation and Biological Activated Carbon Treatment of Wastewater Effluents on Formation of <i>N</i> -nitrosamines and Halogenated Disinfection Byproducts. Environmental Science & Technology, 2017, 51, 2329-2338.	4.6	124
516	Predicting reactivity of model DOM compounds towards chlorine with mediated electrochemical oxidation. Water Research, 2017, 114, 113-121.	5.3	22
517	From the conventional biological wastewater treatment to hybrid processes, the evaluation of organic micropollutant removal: A review. Water Research, 2017, 111, 297-317.	5.3	552
518	Application of UV absorbance and fluorescence indicators to assess the formation of biodegradable dissolved organic carbon and bromate during ozonation. Water Research, 2017, 111, 154-162.	5.3	59
519	Kinetic Study of Hydroxyl and Sulfate Radical-Mediated Oxidation of Pharmaceuticals in Wastewater Effluents. Environmental Science & Technology, 2017, 51, 2954-2962.	4.6	309
520	Mn <sup>2+</sup> /H <sub>2</sub> O <sub>2</sub> /O <sub>3</sub> , a high efficient advanced oxidation process in acidic solution. Journal of Environmental Chemical Engineering, 2017, 5, 924-930.	3.3	10
521	Hydrodynamic cavitation in combination with the ozone, hydrogen peroxide and the UV-based advanced oxidation processes for the removal of natural organic matter from drinking water. Ultrasonics Sonochemistry, 2017, 37, 394-404.	3.8	59
522	Rapid Selective Circumneutral Degradation of Phenolic Pollutants Using Peroxymonosulfate-Iodide Metal-Free Oxidation: Role of Iodine Atoms. Environmental Science & Technology, 2017, 51, 2312-2320.	4.6	86
523	Creation of Pd/Al <sub>2</sub> O <sub>3</sub> Catalyst by a Spray Process for Fixed Bed Reactors and Its Effective Removal of Aqueous Bromate. Scientific Reports, 2017, 7, 41797.	1.6	14
524	Quantitative structure-activity relationship for the apparent rate constants of aromatic contaminants oxidized by ferrate (VI). Chemical Engineering Journal, 2017, 317, 258-266.	6.6	66
525	Influence of UV lamp, sulfur(IV) concentration, and pH on bromate degradation in UV/sulfite systems: Mechanisms and applications. Water Research, 2017, 111, 288-296.	5.3	89
526	Preparation and application of antibacterial magnetic nanosilver chitosan composites. Environmental Progress and Sustainable Energy, 2017, 36, 1067-1073.	1.3	4

#	ARTICLE	IF	CITATIONS
527	Enhanced treatment of secondary municipal wastewater effluent: comparing (biological) filtration and ozonation in view of micropollutant removal, unselective effluent toxicity, and the potential for real-time control. <i>Water Science and Technology</i> , 2017, 76, 236-246.	1.2	18
528	Comparative mammalian cell cytotoxicity of wastewater with elevated bromide and iodide after chlorination, chloramination, or ozonation. <i>Journal of Environmental Sciences</i> , 2017, 58, 296-301.	3.2	27
529	Slurry photocatalytic membrane reactor technology for removal of pharmaceutical compounds from wastewater: Towards cytostatic drug elimination. <i>Science of the Total Environment</i> , 2017, 599-600, 612-626.	3.9	72
530	Investigation of the Halogenate-Hydrogen Peroxide Reactions Using the Electron Paramagnetic Resonance Spin Trapping Technique. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3207-3212.	1.1	8
531	Combined ozonation and aquatic macrophyte ( <i>Vallisneria natans</i> ) treatment of piggery effluent: Water matrix and antioxidant responses. <i>Ecological Engineering</i> , 2017, 102, 39-45.	1.6	9
532	Comparison of methylisoborneol and geosmin abatement in surface water by conventional ozonation and an electro-peroxone process. <i>Water Research</i> , 2017, 108, 373-382.	5.3	95
533	Electrochemical detection of chlorate on a novel nano-Au/TiO <sub>2</sub> NT electrode. <i>Materials Research Bulletin</i> , 2017, 93, 290-295.	2.7	4
534	Bromate formation from the oxidation of bromide in the UV/chlorine process with low pressure and medium pressure UV lamps. <i>Chemosphere</i> , 2017, 183, 582-588.	4.2	72
535	Nitrate formation during ozonation as a surrogate parameter for abatement of micropollutants and the N-nitrosodimethylamine (NDMA) formation potential. <i>Water Research</i> , 2017, 122, 246-257.	5.3	33
536	The competition between cathodic oxygen and ozone reduction and its role in dictating the reaction mechanisms of an electro-peroxone process. <i>Water Research</i> , 2017, 118, 26-38.	5.3	73
537	Contamination Removal From UV and EUV Photomasks. , 2017, , 135-173.		1
538	Secondary organic aerosol formation from propylene irradiations in a chamber study. <i>Atmospheric Environment</i> , 2017, 157, 146-155.	1.9	23
539	Hydraulic and disinfection efficiency of an ozonation contactor for a municipal water treatment plant using computational fluid dynamics. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2063-2072.	0.9	7
540	Oxidation of indometacin by ferrate (VI): kinetics, degradation pathways, and toxicity assessment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10786-10795.	2.7	8
541	Enhancement of bromate formation by pH depression during ozonation of bromide-containing water in the presence of hydroxylamine. <i>Water Research</i> , 2017, 109, 135-143.	5.3	48
542	Formation and reactivity of inorganic and organic chloramines and bromamines during oxidative water treatment. <i>Water Research</i> , 2017, 110, 91-101.	5.3	113
543	Amperometric bromate-sensitive sensor via layer-by-layer assembling of metalloporphyrin and polyelectrolytes on carbon nanotubes modified surfaces. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 157-166.	4.0	16
544	A case study on the IMC for ozone dosing process of drinking water treatment. , 2017, , .		1



#	ARTICLE	IF	CITATIONS
545	A surface-stabilized ozonide triggers bromide oxidation at the aqueous solution-vapour interface. <i>Nature Communications</i> , 2017, 8, 700.	5.8	59
546	Sequential biofiltration – A novel approach for enhanced biological removal of trace organic chemicals from wastewater treatment plant effluent. <i>Water Research</i> , 2017, 127, 127-138.	5.3	50
547	Pilot study on bromate reduction from drinking water by UV/sulfite systems: Economic cost comparisons, effects of environmental parameters and mechanisms. <i>Chemical Engineering Journal</i> , 2017, 330, 1203-1210.	6.6	40
548	Micropollutants Removal from Surface Water Using a Pilot Vacuum-UV Advanced Oxidation Process. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, 04017066.	0.7	5
549	Chemistry of persulfates in water and wastewater treatment: A review. <i>Chemical Engineering Journal</i> , 2017, 330, 44-62.	6.6	1,320
550	The Electro-peroxone Technology as a Promising Advanced Oxidation Process for Water and Wastewater Treatment. <i>Handbook of Environmental Chemistry</i> , 2017, , 57-84.	0.2	10
551	Control of disinfection byproducts (DBPs) by ozonation and peroxone process: Role of chloride on removal of DBP precursors. <i>Chemosphere</i> , 2017, 184, 1215-1222.	4.2	28
552	The control of disinfection byproducts and their precursors in biologically active filtration processes. <i>Water Research</i> , 2017, 124, 630-653.	5.3	108
553	Photo assisted electro-peroxone to degrade 2,4-D herbicide: The effects of supporting electrolytes and determining mechanism. <i>Chemical Engineering Research and Design</i> , 2017, 111, 520-528.	2.7	63
554	Decomposition of Phenylphenol Isomers by UVC-Enhanced Ozonation Process. <i>Ozone: Science and Engineering</i> , 2017, 39, 333-342.	1.4	2
555	Surrogate-Based Correlation Models in View of Real-Time Control of Ozonation of Secondary Treated Municipal Wastewater – Model Development and Dynamic Validation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14233-14243.	4.6	44
556	Impact on Disinfection Byproducts Using Advanced Oxidation Processes for Drinking Water Treatment. <i>Handbook of Environmental Chemistry</i> , 2017, , 345-386.	0.2	4
558	AOPs Methods for the Removal of Taste and Odor Compounds. <i>Handbook of Environmental Chemistry</i> , 2017, , 179-210.	0.2	3
559	Seasonal-related effects on ammonium removal in activated carbon filter biologically enhanced by heterotrophic nitrifying bacteria for drinking water treatment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19569-19582.	2.7	13
560	Bromide-assisted catalytic oxidation of lead(II) solids by chlorine in drinking water distribution systems. <i>Chemical Communications</i> , 2017, 53, 8695-8698.	2.2	7
561	Halogen-specific total organic halogen analysis: Assessment by recovery of total bromine. <i>Journal of Environmental Sciences</i> , 2017, 58, 340-348.	3.2	14
562	Occurrence and formation of disinfection by-products in the swimming pool environment: A critical review. <i>Journal of Environmental Sciences</i> , 2017, 58, 19-50.	3.2	87
563	Holistic sludge management through ozonation: A critical review. <i>Journal of Environmental Management</i> , 2017, 185, 79-95.	3.8	43

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564	An overview of advanced reduction processes for bromate removal from drinking water: Reducing agents, activation methods, applications and mechanisms. <i>Journal of Hazardous Materials</i> , 2017, 324, 230-240.	6.5	86
565	Drinking water contamination and treatment techniques. <i>Applied Water Science</i> , 2017, 7, 1043-1067.	2.8	598
566	Chlorine dioxide as water disinfectant during fresh-cut iceberg lettuce washing: Disinfectant demand, disinfection efficiency, and chlorite formation. <i>LWT - Food Science and Technology</i> , 2017, 75, 301-304.	2.5	51
567	Mechanistic insights into the remediation of bromide ions from desalinated water using roasted date pits. <i>Chemical Engineering Journal</i> , 2017, 308, 463-475.	6.6	27
568	Chemical Kinetics and Reactive Species in Normal Saline Activated by a Surface Air Discharge. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600113.	1.6	47
569	Enhanced degradation of Orange G by permanganate with the employment of iron anode. <i>Environmental Science and Pollution Research</i> , 2017, 24, 388-394.	2.7	9
570	Control of the red tide dinoflagellate <i>Cochlodinium polykrikoides</i> by ozone in seawater. <i>Water Research</i> , 2017, 109, 237-244.	5.3	15
571	Elucidating ozonation mechanisms of organic micropollutants based on DFT calculations: Taking sulfamethoxazole as a case. <i>Environmental Pollution</i> , 2017, 220, 971-980.	3.7	23
572	Bacterial inactivation of liquid food and water using high-intensity alternate electric field. <i>Journal of Food Process Engineering</i> , 2017, 40, e12504.	1.5	5
573	Ozonation in water treatment: the generation, basic properties of ozone and its practical application. <i>Reviews in Chemical Engineering</i> , 2017, 33, 49-89.	2.3	124
574	Catalytic Ozonation of Humic Acids by Ce-Ti Composite Catalysts. <i>Kinetics and Catalysis</i> , 2017, 58, 734-740.	0.3	4
575	A case study on the MPC for ozone dosing process based on SVM. , 2017, , .		2
576	&lt;i>Escherichia coli</i> Inactivation Using Pressurized Carbon Dioxide as an Innovative Method for Water Disinfection. , 0, , .		1
577	Solar or UVA-Visible Photocatalytic Ozonation of Water Contaminants. <i>Molecules</i> , 2017, 22, 1177.	1.7	38
578	Participation of the Halogens in Photochemical Reactions in Natural and Treated Waters. <i>Molecules</i> , 2017, 22, 1684.	1.7	52
579	Electroanalytical Sensing of Bromides Using Radiolytically Synthesized Silver Nanoparticle Electrocatalysts. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-9.	0.7	3
580	Preozonation Effects on Organic Foulants in a Coagulation-Ultrafiltration Membrane Process. <i>Journal - American Water Works Association</i> , 2017, 109, 15-24.	0.2	3
581	Effect of Ozone Dissolution Systems on Ozone Exposure and Bromate Formation. <i>Journal - American Water Works Association</i> , 2017, 109, E302.	0.2	5



#	ARTICLE	IF	CITATIONS
582	Evidence based review of Legionella elimination in building water systems. International Journal of Water Resources and Environmental Engineering, 2017, 9, 22-32.	0.2	1
583	Non-thermal inactivation of Noroviruses in food. IOP Conference Series: Earth and Environmental Science, 2017, 85, 012021.	0.2	0
584	Kinetics of the Inactivation of <i>Vibrio parahaemolyticus</i> in Weakly Acidic Sodium Chlorite Solution. Biocontrol Science, 2017, 22, 25-30.	0.2	2
585	Evaluation of the effectiveness of ozone as a sanitizer for fish experimentally contaminated with Salmonella sp.. Brazilian Journal of Food Technology, 2017, 20, .	0.8	3
586	Changes in Dissolved Organic Matter Composition and Disinfection Byproduct Precursors in Advanced Drinking Water Treatment Processes. Environmental Science & Technology, 2018, 52, 3392-3401.	4.6	117
587	Advanced oxidation process for the removal of ibuprofen from aqueous solution: A non-catalytic and catalytic ozonation study in a semi-batch reactor. Applied Catalysis B: Environmental, 2018, 230, 77-90.	10.8	99
588	Membrane capacitive deionisation as an alternative to the 2nd pass for seawater reverse osmosis desalination plant for bromide removal. Desalination, 2018, 433, 113-119.	4.0	56
589	Oxidation Processes in Water Treatment: Are We on Track?. Environmental Science & Technology, 2018, 52, 5062-5075.	4.6	452
590	Degradation of clofibric acid in UV/chlorine disinfection process: kinetics, reactive species contribution and pathways. Royal Society Open Science, 2018, 5, 171372.	1.1	21
591	Promotion of plant growth under low temperature by ozonated water at low concentration in komatsuna ( <i>Brassica rapa</i> L. <i>perviridis</i> Group). Ozone: Science and Engineering, 2018, 40, 415-419.	1.4	5
592	Switchable Underwater Bubble Wettability on Laser-Induced Titanium Multiscale Micro-/Nanostructures by Vertically Crossed Scanning. ACS Applied Materials & Interfaces, 2018, 10, 16867-16873.	4.0	65
593	Photo(Catalytic) Oxidation Processes for the Removal of Natural Organic Matter and Contaminants of Emerging Concern from Water. Handbook of Environmental Chemistry, 2018, , 133-154.	0.2	2
594	Optimization of ozonation and peroxone process for simultaneous control of micropollutants and bromate in wastewater. Water Science and Technology, 2018, 2017, 404-411.	1.2	7
595	Effects of typical water components on the UV 254 photodegradation kinetics of haloacetic acids in water. Separation and Purification Technology, 2018, 200, 255-265.	3.9	18
596	A review of polymeric membranes and processes for potable water reuse. Progress in Polymer Science, 2018, 81, 209-237.	11.8	483
597	Identifying the underlying causes of biological instability in a full-scale drinking water supply system. Water Research, 2018, 135, 11-21.	5.3	78
598	Effects of O <sub>3</sub> /Cl <sub>2</sub> disinfection on corrosion and opportunistic pathogens growth in drinking water distribution systems. Journal of Environmental Sciences, 2018, 73, 38-46.	3.2	27
599	Reducing DBPs formation in chlorination of Br-containing Diclofenac via Fe-Cu-MCM-41/O <sub>3</sub> peroxidation: Efficiency, characterization DBPs precursors and mechanism. Journal of the Taiwan Institute of Chemical Engineers, 2018, 84, 212-221.	2.7	11

#	ARTICLE	IF	CITATIONS
600	Kinetics of Inactivation of Waterborne Enteric Viruses by Ozone. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2170-2177.	4.6	84
601	Mechanism insight of pollutant degradation and bromate inhibition by Fe-Cu-MCM-41 catalyzed ozonation. <i>Journal of Hazardous Materials</i> , 2018, 346, 226-233.	6.5	49
602	Ozone initiated inactivation of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> in water: Influence of selected organic solvents prevalent in wastewaters. <i>Chemosphere</i> , 2018, 206, 43-50.	4.2	14
603	Effects of phosphate-enhanced ozone/biofiltration on formation of disinfection byproducts and occurrence of opportunistic pathogens in drinking water distribution systems. <i>Water Research</i> , 2018, 139, 168-176.	5.3	58
604	Kinetics, pathways and toxicity evaluation of neonicotinoid insecticides degradation via UV/chlorine process. <i>Chemical Engineering Journal</i> , 2018, 346, 298-306.	6.6	87
605	Pilot-scale evaluation of micropollutant abatements by conventional ozonation, UV/O <sub>3</sub> , and an electro-peroxone process. <i>Water Research</i> , 2018, 138, 106-117.	5.3	126
606	Evaluation of advanced oxidation processes for water and wastewater treatment – A critical review. <i>Water Research</i> , 2018, 139, 118-131.	5.3	1,891
607	Seawater ozonation: effects of seawater parameters on oxidant loading rates, residual toxicity, and total residual oxidants/by-products reduction during storage time. <i>Ozone: Science and Engineering</i> , 2018, 40, 399-414.	1.4	10
608	Effect of preconditioning on silver leaching and bromide removal properties of silver-impregnated activated carbon (SIAC). <i>Water Research</i> , 2018, 138, 152-159.	5.3	11
609	Direct potable reuse – a feasible water management option. <i>Journal of Water Reuse and Desalination</i> , 2018, 8, 14-28.	1.2	49
610	Purification of flowback fluids after hydraulic fracturing of Polish gas shales by hybrid methods. <i>Separation Science and Technology</i> , 2018, 53, 1207-1217.	1.3	8
611	Evaluation of a full-scale wastewater treatment plant upgraded with ozonation and biological post-treatments: Abatement of micropollutants, formation of transformation products and oxidation by-products. <i>Water Research</i> , 2018, 129, 486-498.	5.3	361
612	The role of operating parameters and oxidative damage mechanisms of advanced chemical oxidation processes in the combat against antibiotic-resistant bacteria and resistance genes present in urban wastewater. <i>Water Research</i> , 2018, 129, 208-230.	5.3	187
613	Effects of bromide and iodide on the chlorination of diclofenac: Accelerated chlorination and enhanced formation of disinfection by-products. <i>Separation and Purification Technology</i> , 2018, 193, 415-420.	3.9	16
614	Degradation of phenacetin by the UV/chlorine advanced oxidation process: Kinetics, pathways, and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2018, 335, 520-529.	6.6	73
615	Effective method of treatment of effluents from production of bitumens under basic pH conditions using hydrodynamic cavitation aided by external oxidants. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 969-979.	3.8	114
616	Effects of microbubble ozonation on the formation of disinfection by-products in bromide-containing water from Tai Lake. <i>Separation and Purification Technology</i> , 2018, 193, 408-414.	3.9	30
617	Effects of conventional ozonation and electro-peroxone pretreatment of surface water on disinfection by-product formation during subsequent chlorination. <i>Water Research</i> , 2018, 130, 322-332.	5.3	77

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618	Genomic Analysis of <i>Rhodococcus</i> sp. Br-6, a Bromate Reducing Bacterium Isolated From Soil in Chiba, Japan. <i>Journal of Genomics</i> , 2018, 6, 122-126.	0.6	0
619	<i>In situ</i> tunable bubble wettability with fast response induced by solution surface tension. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20878-20886.	5.2	30
620	Disinfection of Water Used for Human and Animal Consumption. , 2018, , .		1
621	Treatment of Eutrophic Water and Wastewater from Valsequillo Reservoir, Puebla, Mexico by Means of Ozonation: A Multiparameter Approach. <i>Water (Switzerland)</i> , 2018, 10, 1790.	1.2	6
622	Arsenite removal in groundwater treatment plants by sequential Permanganate•Ferric treatment. <i>Journal of Water Process Engineering</i> , 2018, 26, 221-229.	2.6	51
623	Formation of disinfection byproducts from sulfamethoxazole during sodium hypochlorite disinfection of marine culture water. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33196-33206.	2.7	14
624	Fe(VI)-Mediated Single-Electron Coupling Processes for the Removal of Chlorophene: A Combined Experimental and Computational Study. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12592-12601.	4.6	53
625	Reduction of Antibiotic Resistant Bacteria During Conventional and Advanced Wastewater Treatment, and the Disseminated Loads Released to the Environment. <i>Frontiers in Microbiology</i> , 2018, 9, 2599.	1.5	83
626	Ozonation of Tamoxifen and Toremifene: Reaction Kinetics and Transformation Products. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12583-12591.	4.6	14
627	Ozone, chemical reactivity and biological functions. <i>Tetrahedron</i> , 2018, 74, 6221-6261.	1.0	39
628	Degradation of organic pollutants by photoelectro-peroxone/ZVI process: Synergistic, kinetic and feasibility studies. <i>Journal of Environmental Management</i> , 2018, 228, 32-39.	3.8	78
629	Evaluating the Comparative Toxicity of DBP Mixtures from Different Disinfection Scenarios: A New Approach by Combining Freeze-Drying or Rotoevaporation with a Marine Polychaete Bioassay. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10552-10561.	4.6	173
630	Emerging contaminants: Here today, there tomorrow!. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 122-126.	1.7	98
631	Non-target screening to trace ozonation transformation products in a wastewater treatment train including different post-treatments. <i>Water Research</i> , 2018, 142, 267-278.	5.3	105
632	Advanced degradation of refractory pollutants in incineration leachate by UV/Peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2018, 349, 338-346.	6.6	79
633	Electrochemical disinfection of groundwater for civil use • An example of an effective endogenous advanced oxidation process. <i>Chemosphere</i> , 2018, 207, 101-109.	4.2	31
634	The electro-peroxone process for the abatement of emerging contaminants: Mechanisms, recent advances, and prospects. <i>Chemosphere</i> , 2018, 208, 640-654.	4.2	105
635	Techno-economic assessment of surrogate-based real-time control and monitoring of secondary effluent ozonation at pilot scale. <i>Chemical Engineering Journal</i> , 2018, 352, 431-440.	6.6	15

#	ARTICLE	IF	CITATIONS
636	A pilot-scale investigation of disinfection by-product precursors and trace organic removal mechanisms in ozone-biologically activated carbon treatment for potable reuse. <i>Chemosphere</i> , 2018, 210, 539-549.	4.2	51
637	Application of a ceramic membrane contacting process for ozone and peroxone treatment of micropollutant contaminated surface water. <i>Journal of Hazardous Materials</i> , 2018, 358, 129-135.	6.5	34
638	Bromate formation during the oxidation of bromide-containing water by ozone/peroxymonosulfate process: Influencing factors and mechanisms. <i>Chemical Engineering Journal</i> , 2018, 352, 316-324.	6.6	52
639	Solar photo-Fenton disinfection of 11 antibiotic-resistant bacteria (ARB) and elimination of representative AR genes. Evidence that antibiotic resistance does not imply resistance to oxidative treatment. <i>Water Research</i> , 2018, 143, 334-345.	5.3	133
640	Ozone and chlorine reactions with dissolved organic matter - Assessment of oxidant-reactive moieties by optical measurements and the electron donating capacities. <i>Water Research</i> , 2018, 144, 64-75.	5.3	67
641	Two analytical approaches quantifying the electron donating capacities of dissolved organic matter to monitor its oxidation during chlorination and ozonation. <i>Water Research</i> , 2018, 144, 677-689.	5.3	41
642	Chlorine Dioxideâ€”Pollutant Transformation and Formation of Hypochlorous Acid as a Secondary Oxidant. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9964-9971.	4.6	50
643	Novel materials for catalytic ozonation of wastewater for disinfection and removal of micropollutants. <i>Science of the Total Environment</i> , 2018, 644, 1207-1218.	3.9	29
644	A Review on Chemical Advanced Oxidation Processes for Pharmaceuticals with Paracetamol as a Model Compound. Reaction Conditions, Intermediates and Total Mechanism. <i>Current Organic Chemistry</i> , 2018, 22, 2-17.	0.9	33
645	Chlorination and chloramination of benzophenone-3 and benzophenone-4 UV filters. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 528-535.	2.9	17
646	Pollution of Surface and Ground Water by Sources Related to Agricultural Activities. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	88
647	Overview of the Main Disinfection Processes for Wastewater and Drinking Water Treatment Plants. <i>Sustainability</i> , 2018, 10, 86.	1.6	156
648	Formation of iodo-trihalomethanes (I-THMs) during disinfection with chlorine or chloramine: Impact of UV/H <sub>2</sub> O <sub>2</sub> pre-oxidation. <i>Science of the Total Environment</i> , 2018, 640-641, 764-771.	3.9	14
649	Application of advanced oxidation processes and toxicity assessment of transformation products. <i>Environmental Research</i> , 2018, 167, 223-233.	3.7	206
650	Enhanced Antibacterial Activity of Silver Doped Titanium Dioxide-Chitosan Composites under Visible Light. <i>Materials</i> , 2018, 11, 1403.	1.3	33
651	Graphene- and CNTs-based carbocatalysts in persulfates activation: Material design and catalytic mechanisms. <i>Chemical Engineering Journal</i> , 2018, 354, 941-976.	6.6	448
652	Control of halophenol formation in seawater during chlorination using pre-ozonation treatment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28050-28060.	2.7	10
653	A facile and green pretreatment method for nonionic total organic halogen (NTOX) analysis in water â€” Step II. Using photolysis to convert NTOX completely into halides. <i>Water Research</i> , 2018, 145, 579-587.	5.3	32

#	ARTICLE	IF	CITATIONS
654	Applying UV absorbance and fluorescence indices to estimate inactivation of bacteria and formation of bromate during ozonation of water and wastewater effluent. <i>Water Research</i> , 2018, 145, 354-364.	5.3	26
655	Physico-chemical treatment for the degradation of cyanotoxins with emphasis on drinking water treatment—How far have we come?. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5369-5388.	3.3	25
656	Simultaneous removal of 2,4,6-tribromophenol from water and bromate ion minimization by ozonation. <i>Journal of Hazardous Materials</i> , 2018, 357, 415-423.	6.5	17
657	Determination of six iodotrihalomethanes in drinking water in Korea. <i>Science of the Total Environment</i> , 2018, 640-641, 581-590.	3.9	4
658	Practical Aspects on Electrochemical Disinfection of Urban and Domestic Wastewater. , 2018, , 421-447.		11
659	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <i>Advanced Materials</i> , 2018, 30, e1707073.	11.1	73
660	Disinfection By-products in Recycled Waters. , 2019, , 135-149.		0
662	Trichloronitromethane formation from amino acids by preozonation-chlorination: The effects of ozone dosage, reaction time, pH, and nitrite. <i>Separation and Purification Technology</i> , 2019, 209, 145-151.	3.9	9
663	Tracking the reactivity of ozonation towards effluent organic matters from WWTP using two-dimensional correlation spectra. <i>Journal of Environmental Sciences</i> , 2019, 76, 289-298.	3.2	19
664	Impact of ozonation and biologically enhanced activated carbon filtration on the composition of micropollutants in drinking water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33927-33935.	2.7	3
665	Overlooked Role of Sulfur-Centered Radicals During Bromate Reduction by Sulfite. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10320-10328.	4.6	48
666	Determination of phenol degradation in chloride ion rich water by ferrate using a chromatographic method in combination with on-line mass spectrometry analysis. <i>Analytical Methods</i> , 2019, 11, 4651-4658.	1.3	6
667	A method for extracting soil microplastics through circulation of sodium bromide solutions. <i>Science of the Total Environment</i> , 2019, 691, 341-347.	3.9	121
668	Debromination of 2,4,6-Tribromophenol and bromate ion minimization in Water by catalytic ozonation. <i>Journal of Water Process Engineering</i> , 2019, 31, 100893.	2.6	7
669	The impact of wastewater matrix on the degradation of pharmaceutically active compounds by oxidation processes including ultraviolet radiation and sulfate radicals. <i>Journal of Hazardous Materials</i> , 2019, 380, 120869.	6.5	45
670	An Adverse Outcome Pathway Linking Organohalogen Exposure to Mitochondrial Disease. <i>Journal of Toxicology</i> , 2019, 2019, 1-24.	1.4	4
671	Simultaneous adsorption/reduction of bromate in water using nano zero-valent iron supported on ordered mesoporous silica. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 1330-1338.	1.0	5
672	Optimization of the Electro-Peroxone Process for Micropollutant Abatement Using Chemical Kinetic Approaches. <i>Molecules</i> , 2019, 24, 2638.	1.7	6

#	ARTICLE	IF	CITATIONS
673	State of the art of tertiary treatment technologies for controlling antibiotic resistance in wastewater treatment plants. <i>Environment International</i> , 2019, 131, 105026.	4.8	125
674	Oxidation byproducts from the degradation of dissolved organic matter by advanced oxidation processes – A critical review. <i>Water Research</i> , 2019, 164, 114929.	5.3	95
675	Microbial reduction of bromate: current status and prospects. <i>Biodegradation</i> , 2019, 30, 365-374.	1.5	8
676	Investigating synergies in sequential biofiltration-based hybrid systems for the enhanced removal of trace organic chemicals from wastewater treatment plant effluents. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1423-1435.	1.2	9
677	Advances in Treatment of Brominated Hydrocarbons by Heterogeneous Catalytic Ozonation and Bromate Minimization. <i>Molecules</i> , 2019, 24, 3450.	1.7	8
678	Plasma Degradation of Dibromophenols and Interpretation by Molecular Orbital Theory. <i>Plasma and Fusion Research</i> , 2019, 14, 3401132-3401132.	0.3	0
679	Assessing flow segregation and mixing by modeling residual disinfectant conversion. <i>AWWA Water Science</i> , 2019, 1, e1154.	1.0	2
680	Evaluating the sustainability of indirect potable reuse and direct potable reuse: a southern Nevada case study. <i>AWWA Water Science</i> , 2019, 1, e1153.	1.0	11
681	A Review of Pulsed Power Systems for Degrading Water Pollutants Ranging From Microorganisms to Organic Compounds. <i>IEEE Access</i> , 2019, 7, 150863-150891.	2.6	12
682	Catalytic ozonation by metal ions for municipal wastewater disinfection and simultaneous micropollutants removal. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118104.	10.8	42
683	An overview of bromate formation in chemical oxidation processes: Occurrence, mechanism, influencing factors, risk assessment, and control strategies. <i>Chemosphere</i> , 2019, 237, 124521.	4.2	44
684	Performance of vacuum UV (VUV) for the degradation of MC-LR, geosmin, and MIB from cyanobacteria-impacted waters. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 2048-2058.	1.2	8
685	Removal of bromate from drinking water using a heterogeneous photocatalytic mini-reactor: impact of the reactor material and water matrix. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33281-33293.	2.7	5
686	Biofouling of Polyamide Membranes: Fouling Mechanisms, Current Mitigation and Cleaning Strategies, and Future Prospects. <i>Membranes</i> , 2019, 9, 111.	1.4	67
687	Orthophosphate vs. bicarbonate used as a buffering substance for optimizing the bromide-enhanced ozonation process for ammonia nitrogen removal. <i>Science of the Total Environment</i> , 2019, 692, 1191-1200.	3.9	12
688	Catalytic ozonation of emerging pollutant and reduction of toxic by-products in secondary effluent matrix and effluent organic matter – reaction activity. <i>Water Research</i> , 2019, 166, 115026.	5.3	38
689	Pitcher plant-bioinspired bubble slippery surface fabricated by femtosecond laser for buoyancy-driven bubble self-transport and efficient gas capture. <i>Nanoscale</i> , 2019, 11, 1370-1378.	2.8	74
690	Textile Wastewater Treatment for Water Reuse: A Case Study. <i>Processes</i> , 2019, 7, 34.	1.3	63



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691	A unified approach to mechanistic aspects of photochemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 636-654.	1.6	60
692	Impacts of advanced oxidation processes on disinfection byproducts from dissolved organic matter upon post-chlor(am)ination: A critical review. <i>Chemical Engineering Journal</i> , 2019, 375, 121929.	6.6	59
693	Bromide and iodide selectivity in membrane capacitive deionisation, and its potential application to reduce the formation of disinfection by-products in water treatment. <i>Chemosphere</i> , 2019, 234, 536-544.	4.2	19
694	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
695	Developing surrogate indicators for predicting suppression of halophenols formation potential and abatement of estrogenic activity during ozonation of water and wastewater. <i>Water Research</i> , 2019, 161, 152-160.	5.3	22
696	Development and application of relevance and reliability criteria for water treatment removal efficiencies of chemicals of emerging concern. <i>Water Research</i> , 2019, 161, 274-287.	5.3	23
697	Endocrine Disruptor Degradation by UV/Chlorine and the Impact of Their Removal on Estrogenic Activity and Toxicity. <i>International Journal of Photoenergy</i> , 2019, 2019, 1-9.	1.4	15
698	The Hybrid process of preozonation and CNTs modification on hollow fiber membrane for fouling control. <i>Journal of Water Process Engineering</i> , 2019, 31, 100832.	2.6	8
699	Elimination efficiency of organic UV filters during ozonation and UV/H <sub>2</sub> O <sub>2</sub> treatment of drinking water and wastewater effluent. <i>Chemosphere</i> , 2019, 230, 248-257.	4.2	18
700	Molecular characteristics of dissolved organic matter transformed by O <sub>3</sub> and O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> treatments and the effects on formation of unknown disinfection by-products. <i>Water Research</i> , 2019, 159, 214-222.	5.3	70
701	Effects of KMnO <sub>4</sub> /NaHSO <sub>3</sub> pre-oxidation on the formation potential of disinfection by-products during subsequent chlorination. <i>Chemical Engineering Journal</i> , 2019, 372, 825-835.	6.6	22
702	Kinetics of chlorate formation during ozonation of aqueous chloride solutions. <i>Chemosphere</i> , 2019, 229, 68-76.	4.2	25
703	Photocatalytic ozonation for a sustainable aquaculture: A long-term test in a seawater aquarium. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 69-76.	10.8	23
704	The Impact of pH and Irradiation Wavelength on the Production of Reactive Oxidants during Chlorine Photolysis. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4450-4459.	4.6	145
705	Recycling of <i>Dunaliella salina</i> cultivation medium by integrated membrane filtration and advanced oxidation. <i>Algal Research</i> , 2019, 39, 101460.	2.4	13
706	Formation of reactive chlorine species in saline solution treated by non-equilibrium atmospheric pressure He/O <sub>2</sub> plasma jet. <i>Plasma Sources Science and Technology</i> , 2019, 28, 035015.	1.3	42
707	Enhanced performance and mechanism of bromate removal in aqueous solution by ruthenium oxide modified biochar (RuO <sub>2</sub> /BC). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 572, 27-36.	2.3	4
708	Application of AOPs in the treatment of OSPAR chemicals and a comparative cost analysis. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 277-317.	6.6	9

#	ARTICLE	IF	CITATIONS
709	Enhancing photocatalytic degradation of methyl orange by crystallinity transformation of titanium dioxide: A kinetic study. <i>Water Environment Research</i> , 2019, 91, 722-730.	1.3	3
710	Comparison of ferrate and ozone pre-oxidation on disinfection byproduct formation from chlorination and chloramination. <i>Water Research</i> , 2019, 156, 110-124.	5.3	58
711	Continuous efficient removal and inactivation mechanism of E. coli by bismuth-doped SnO <sub>2</sub> /C electrocatalytic membrane. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11399-11409.	2.7	9
712	The beneficial effect of cathodic hydrogen peroxide generation on mitigating chlorinated by-product formation during water treatment by an electro-peroxone process. <i>Water Research</i> , 2019, 157, 209-217.	5.3	61
713	Physico-Chemical Processes for the Treatment of Per- And Polyfluoroalkyl Substances (PFAS): A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 866-915.	6.6	168
714	<i>Water Purification Technologies.</i> , 2019, , 83-120.		19
715	Degradation of naproxen in chlorination and UV/chlorine processes: kinetics and degradation products. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34301-34310.	2.7	11
716	Effects of ozonation on the activity of endotoxin and its inhalation toxicity in reclaimed water. <i>Water Research</i> , 2019, 154, 153-161.	5.3	18
717	Comparison of Toxicity-Weighted Disinfection Byproduct Concentrations in Potable Reuse Waters and Conventional Drinking Waters as a New Approach to Assessing the Quality of Advanced Treatment Train Waters. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3729-3738.	4.6	80
718	Effect of UV wavelength on humic acid degradation and disinfection by-product formation during the UV/chlorine process. <i>Water Research</i> , 2019, 154, 199-209.	5.3	115
720	Effect of inorganic salts on inactivation of Escherichia coli and removal of fulvic acid by ozone in a rotating packed bed. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 2263-2269.	1.0	0
721	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.	3.3	11
722	Identification of genotoxic transformation products by effect-directed analysis with high-performance thin-layer chromatography and non-target screening. <i>Journal of Planar Chromatography - Modern TLC</i> , 2019, 32, 173-182.	0.6	10
723	<i>Protozoan Parasites.</i> , 2019, , 667-691.		2
724	Microbiological Constraints for Use of Reclaimed and Reconditioned Water in Food Production and Processing Operations. , 0, , 1021-1047.		0
725	Evaluation of disinfection byproduct formation from extra- and intra-cellular algal organic matters during chlorination after Fe(vi) oxidation. <i>RSC Advances</i> , 2019, 9, 41022-41030.	1.7	10
726	Enhanced Degradation of Pharmaceutical Compounds by a Microbubble Ozonation Process: Effects of Temperature, pH, and Humic Acids. <i>Energies</i> , 2019, 12, 4373.	1.6	14
727	Gas-Phase Ozone Reactions with a Structurally Diverse Set of Molecules: Barrier Heights and Reaction Energies Evaluated by Coupled Cluster and Density Functional Theory Calculations. <i>Journal of Physical Chemistry A</i> , 2019, 123, 517-536.	1.1	13



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728	Degradation of bromate by Fe(II) Ti(IV) layered double hydroxides nanoparticles under ultraviolet light. <i>Water Research</i> , 2019, 150, 310-320.	5.3	21
729	Degradation kinetic of phthalate esters and the formation of brominated byproducts in heat-activated persulfate system. <i>Chemical Engineering Journal</i> , 2019, 359, 1086-1096.	6.6	45
730	Recent Research on Ozonation By-products in Water and Wastewater Treatment: Formation, Control, Mitigation, and Other Relevant Topics. <i>Energy, Environment, and Sustainability</i> , 2019, , 117-144.	0.6	1
731	Non-catalytic and catalytic ozonation of simple halohydrins in water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102783.	3.3	6
732	Prodigiosinâ€“Iron-Oxideâ€“Carbon Matrix for Efficient Antibiotic-Resistant Bacterial Disinfection of Contaminated Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3164-3175.	3.2	7
733	Ozone and Photocatalytic Processes for Pathogens Removal from Water: A Review. <i>Catalysts</i> , 2019, 9, 46.	1.6	61
734	Effect of electrolytes on the simultaneous electrochemical oxidation of sulfamethoxazole, propranolol and carbamazepine: behaviors, by-products and acute toxicity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 6855-6867.	2.7	30
735	Pilot-scale comparison of microfiltration/reverse osmosis and ozone/biological activated carbon with UV/hydrogen peroxide or UV/free chlorine AOP treatment for controlling disinfection byproducts during wastewater reuse. <i>Water Research</i> , 2019, 152, 215-225.	5.3	87
736	Quantitatively assessing the role played by carbonate radicals in bromate formation by ozonation. <i>Journal of Hazardous Materials</i> , 2019, 363, 428-438.	6.5	20
737	Coal-Fired Power Plant Wet Flue Gas Desulfurization Bromide Discharges to U.S. Watersheds and Their Contributions to Drinking Water Sources. <i>Environmental Science &amp; Technology</i> , 2019, 53, 213-223.	4.6	21
738	Enhanced removal of coumarin by a novel O <sub>3</sub> /SPC system: Kinetic and mechanism. <i>Chemosphere</i> , 2019, 219, 100-108.	4.2	27
739	NDMA formation mechanisms from typical hydrazines and hydrazones during ozonation: A computational study. <i>Journal of Hazardous Materials</i> , 2019, 366, 370-377.	6.5	12
740	Water depollution using metal-organic frameworks-catalyzed advanced oxidation processes: A review. <i>Journal of Hazardous Materials</i> , 2019, 372, 3-16.	6.5	318
741	The role of boundary conditions in the bromide-enhanced ozonation process for ammonia nitrogen removal and nitrate minimization. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102933.	3.3	3
742	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
743	Pilot testing of direct and indirect potable water reuse using multi-stage ozone-biofiltration without reverse osmosis. <i>Water Research</i> , 2020, 169, 115178.	5.3	30
744	Two new predictors combined with quantum chemical parameters for the selection of oxidants and degradation of organic contaminants: A QSAR modeling study. <i>Chemosphere</i> , 2020, 240, 124928.	4.2	14
745	Ozone combined with ceramic membranes for water treatment: Impact on HO radical formation and mitigation of bromate. <i>Journal of Environmental Management</i> , 2020, 253, 109655.	3.8	14

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746	Degradation of antibiotics and inactivation of antibiotic resistance genes (ARGs) in Cephalosporin C fermentation residues using ionizing radiation, ozonation and thermal treatment. <i>Journal of Hazardous Materials</i> , 2020, 382, 121058.	6.5	64
747	Controlling micropollutants in tertiary municipal wastewater by O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> , granular biofiltration and UV <sub>254</sub> /H <sub>2</sub> O <sub>2</sub> for potable reuse applications. <i>Chemosphere</i> , 2020, 239, 124635.	4.2	25
748	Ozone as a novel emerging technology for the dissipation of pesticide residues in foods—a review. <i>Trends in Food Science and Technology</i> , 2020, 97, 38-54.	7.8	146
749	Continuous versus single H <sub>2</sub> O <sub>2</sub> addition in peroxone process: Performance improvement and modelling in wastewater effluents. <i>Journal of Hazardous Materials</i> , 2020, 387, 121993.	6.5	27
750	Bromate control during ozonation by ammonia-chlorine and chlorine-ammonia pretreatment: Roles of bromine-containing haloamines. <i>Chemical Engineering Journal</i> , 2020, 389, 123447.	6.6	17
751	Evaluation of a biological post-treatment after full-scale ozonation at a municipal wastewater treatment plant. <i>Water Research</i> , 2020, 170, 115316.	5.3	45
752	Benefits of ozonation before activated carbon adsorption for the removal of organic micropollutants from wastewater effluents. <i>Chemosphere</i> , 2020, 245, 125530.	4.2	49
753	Disinfection by-products formation and acute toxicity variation of hospital wastewater under different disinfection processes. <i>Separation and Purification Technology</i> , 2020, 238, 116405.	3.9	43
754	Methylene blue degradation by the VUV/UV/persulfate process: Effect of pH on the roles of photolysis and oxidation. <i>Journal of Hazardous Materials</i> , 2020, 391, 121855.	6.5	61
755	Comparison of emerging contaminant abatement by conventional ozonation, catalytic ozonation, O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> and electro-peroxone processes. <i>Journal of Hazardous Materials</i> , 2020, 389, 121829.	6.5	52
756	Catalytic ozonation for water and wastewater treatment: Recent advances and perspective. <i>Science of the Total Environment</i> , 2020, 704, 135249.	3.9	594
757	Catalytic reduction of aqueous bromate by a non-noble metal catalyst of CoS <sub>2</sub> hollow spheres in drinking water at room temperature. <i>Separation and Purification Technology</i> , 2020, 251, 117353.	3.9	12
758	Proclivities for prevalence and treatment of antibiotics in the ambient water: a review. <i>Npj Clean Water</i> , 2020, 3, .	3.1	64
759	Kinetic and mechanistic insights into the abatement of clofibric acid by integrated UV/ozone/peroxydisulfate process: A modeling and theoretical study. <i>Water Research</i> , 2020, 186, 116336.	5.3	37
760	Effects of common inorganic anions on the ozonation of polychlorinated diphenyl sulfides on silica gel: Kinetics, mechanisms, and theoretical calculations. <i>Water Research</i> , 2020, 186, 116358.	5.3	42
761	Developing a restricted chlorine-dosing strategy for UV/chlorine and post-chlorination under different pH and UV irradiation wavelength conditions. <i>Chemosphere</i> , 2020, 258, 127393.	4.2	9
762	Irradiation by a Combination of Different Peak-Wavelength Ultraviolet-Light Emitting Diodes Enhances the Inactivation of Influenza A Viruses. <i>Microorganisms</i> , 2020, 8, 1014.	1.6	13
763	Manganese accumulation on pipe surface in chlorinated drinking water distribution system: Contributions of physical and chemical pathways. <i>Water Research</i> , 2020, 184, 116201.	5.3	9

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764	Rapid, high-sensitivity analysis of oxyhalides by non-suppressed ion chromatography-electrospray ionization-mass spectrometry: application to ClO <sub>4</sub> <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup> , ClO <sub>2</sub> <sup>-</sup> , and BrO <sub>3</sub> <sup>-</sup> quantification during sunlight/chlorine advanced oxidation. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2580-2596.	1.2	7
765	Bromate formation control by enhanced ozonation: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1154-1198.	6.6	5
766	CFD Modeling of UV/H <sub>2</sub> O <sub>2</sub> Process in Internal Airlift Circulating Photoreactor. <i>Water (Switzerland)</i> , 2020, 12, 3237.	1.2	3
767	Effects of microbubble pre-ozonation time and pH on trihalomethanes and haloacetic acids formation in pilot-scale tropical peat water treatments for drinking water purposes. <i>Science of the Total Environment</i> , 2020, 747, 141540.	3.9	18
768	Techno-Economic Analysis of a Solar Thermal Plant for Large-Scale Water Pasteurization. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4771.	1.3	11
769	Molecular-Level Transformation of Dissolved Organic Matter during Oxidation by Ozone and Hydroxyl Radical. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10351-10360.	4.6	93
770	Inhibition of bromate formation in the O <sub>3</sub> /PMS process by adding low dosage of carbon materials: Efficiency and mechanism. <i>Chemical Engineering Journal</i> , 2020, 402, 126207.	6.6	23
771	Transformation of X-ray contrast media by conventional and advanced oxidation processes during water treatment: Efficiency, oxidation intermediates, and formation of iodinated byproducts. <i>Water Research</i> , 2020, 185, 116234.	5.3	28
772	Bromate Formation by the Oxidation of Bromide in the Electrochemically Activated Persulfate Process: Mechanism and Influencing Factors. <i>International Journal of Electrochemical Science</i> , 2020, , 7282-7297.	0.5	3
773	Infectious Waste Management Strategy during COVID-19 Pandemic in Africa: an Integrated Decision-Making Framework for Selecting Sustainable Technologies. <i>Environmental Management</i> , 2020, 66, 1085-1104.	1.2	39
774	Preparation of multilayer polyelectrolyte ceramic membrane for water disinfection. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 3207-3215.	1.0	2
775	Disinfection of Bacteria in Water by Capacitive Deionization. <i>Frontiers in Chemistry</i> , 2020, 8, 774.	1.8	2
776	Water disinfection by ozonation has advantages over UV irradiation in a brackish water recirculation aquaculture system for Pacific white shrimp ( <i>Litopenaeus vannamei</i> ). <i>Journal of Fish Diseases</i> , 2020, 43, 1259-1285.	0.9	8
777	Consequences of ozonation for the limited coagulation of non-proteinaceous AOM and formation of aldehydes as ozonation by-products. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104455.	3.3	8
778	Characteristics and Behavior of Different Catalysts Used for Water Decontamination in Photooxidation and Ozonation Processes. <i>Catalysts</i> , 2020, 10, 1485.	1.6	7
779	New Insights into the Occurrence of Micropollutants and the Management and Treatment of Hospital Effluent. <i>Handbook of Environmental Chemistry</i> , 2020, , 53-96.	0.2	2
780	Removal of antibiotic resistance genes (ARGs) in various wastewater treatment processes: An overview. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 571-630.	6.6	85
781	Removal of Poly- and Per-Fluorinated Compounds from Ion Exchange Regenerant Still Bottom Samples in a Plasma Reactor. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13973-13980.	4.6	56

#	ARTICLE	IF	CITATIONS
782	Distributed mobile ultraviolet light sources driven by ambient mechanical stimuli. <i>Nano Energy</i> , 2020, 74, 104910.	8.2	43
783	Water purification using ultrasound waves: application and challenges. <i>Arab Journal of Basic and Applied Sciences</i> , 2020, 27, 194-207.	1.0	34
784	Effectiveness of ozone pretreatment on bioconversion of oily bilge water into biopolymer. <i>Journal of Water Process Engineering</i> , 2020, 36, 101275.	2.6	4
785	Use of spectroscopic indicators for the monitoring of bromate generation in ozonated wastewater containing variable concentrations of bromide. <i>Water Research</i> , 2020, 182, 116009.	5.3	9
786	Ozone and ozone/hydrogen peroxide treatment to remove gemfibrozil and ibuprofen from treated sewage effluent: Factors influencing bromate formation. <i>Emerging Contaminants</i> , 2020, 6, 225-234.	2.2	35
787	Solar Powered Microplasma-Generated Ozone: Assessment of a Novel Point-of-Use Drinking Water Treatment Method. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1858.	1.2	12
788	Microwave-assisted sol-gel synthesis of TiO <sub>2</sub> in the presence of halogenhydric acids. Characterization and photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112457.	2.0	16
789	Changes in global groundwater organic carbon driven by climate change and urbanization. <i>Nature Communications</i> , 2020, 11, 1279.	5.8	128
790	Disinfection by-products and their effect on aquatic and agriculture ecosystem. , 2020, , 205-233.		3
791	Micro-pollutants in surface water: Impacts on the aquatic environment and treatment technologies. , 2020, , 41-62.		8
792	Kinetics of iohexol degradation by ozonation and formation of DBPs during post-chlorination. <i>Journal of Water Process Engineering</i> , 2020, 35, 101200.	2.6	15
793	Pilot-scale ozone/biological activated carbon treatment of reverse osmosis concentrate: potential for synergism between nitrate and contaminant removal and potable reuse. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1421-1431.	1.2	11
794	Fate of Diclofenac and Its Transformation and Inorganic By-Products in Different Water Matrices during Electrochemical Advanced Oxidation Process Using a Boron-Doped Diamond Electrode. <i>Water (Switzerland)</i> , 2020, 12, 1686.	1.2	7
795	Impact of chlorination and pre-ozonation on disinfection by-products formation from aqueous suspensions of cyanobacteria: <i>Microcystis aeruginosa</i> , <i>Anabaena aequalis</i> and <i>Oscillatoria tenuis</i> . <i>Water Research</i> , 2020, 183, 116070.	5.3	8
796	Formation of disinfection by-products from coexisting organic matter during vacuum ultraviolet (VUV) or ultraviolet (UV) treatment following pre-chlorination and their fates after post-chlorination. <i>Science of the Total Environment</i> , 2020, 737, 140300.	3.9	10
797	A critical review on advanced oxidation processes for the removal of trace organic contaminants: A voyage from individual to integrated processes. <i>Chemosphere</i> , 2020, 260, 127460.	4.2	97
798	Reactive species in advanced oxidation processes: Formation, identification and reaction mechanism. <i>Chemical Engineering Journal</i> , 2020, 401, 126158.	6.6	761
799	Evaluation of Four Dissolved Ozone Residual Metersâ€™ Performance and Disinfection Credits in Potable Reuse Applications. <i>Ozone: Science and Engineering</i> , 2020, 42, 213-229.	1.4	4

#	ARTICLE	IF	CITATIONS
800	Hydrophilic ZnO Nanoparticles@Calcium Alginate Composite for Water Purification. ACS Applied Materials & Interfaces, 2020, 12, 13305-13315.	4.0	44
801	Persulfate-Based Advanced Oxidation: Critical Assessment of Opportunities and Roadblocks. Environmental Science & Technology, 2020, 54, 3064-3081.	4.6	1,779
802	Efficiency and mechanism of pollutant degradation and bromate inhibition by faceted CeO <sub>2</sub> catalyzed ozonation: Experimental and theoretical study. Chemical Engineering Journal, 2020, 390, 124480.	6.6	37
803	Bibliometric review of research trends on disinfection by-products in drinking water during 1975-2018. Separation and Purification Technology, 2020, 241, 116741.	3.9	43
804	Tertiary treatment of real abattoir wastewater using combined acoustic cavitation and ozonation. Ultrasonics Sonochemistry, 2020, 64, 104986.	3.8	21
805	Some issues limiting photo(cata)lysis application in water pollutant control: A critical review from chemistry perspectives. Water Research, 2020, 174, 115605.	5.3	91
806	Trihalomethanes in Drinking Water and Bladder Cancer Burden in the European Union. Environmental Health Perspectives, 2020, 128, 17001.	2.8	101
807	Nanozymology. Nanostructure Science and Technology, 2020, , .	0.1	30
808	Freezing-Induced Bromate Reduction by Dissolved Organic Matter and the Formation of Organobromine Compounds. Environmental Science & Technology, 2020, 54, 1668-1676.	4.6	29
809	Removal of trihalomethanes from high organic matter water sources using aeration: a feasibility study. Water Quality Research Journal of Canada, 2020, 55, 184-197.	1.2	3
810	Beamed UV sonoluminescence by aspherical air bubble collapse near liquid-metal microparticles. Scientific Reports, 2020, 10, 1501.	1.6	17
811	Reduction of bromate and chlorate contaminants in water using aqueous phase corona discharge. Chemosphere, 2020, 255, 126864.	4.2	7
812	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.	2.6	24
813	Experimental and simulation investigations of UV/persulfate treatment in presence of bromide: Effects on degradation kinetics, formation of brominated disinfection byproducts and bromate. Separation and Purification Technology, 2020, 242, 116767.	3.9	24
814	Effects of ozonation on halogenated acetaldehydes and trihalomethanes formation: Strategy of process control for a full-scale plant. Journal of Water Process Engineering, 2020, 35, 101205.	2.6	7
815	Synchronous degradation of aqueous benzotriazole and bromate reduction in catalytic ozonation: Effect of matrix factor, degradation mechanism and application strategy in water treatment. Science of the Total Environment, 2020, 727, 138696.	3.9	13
816	Formation and control of bromate in sulfate radical-based oxidation processes for the treatment of waters containing bromide: A critical review. Water Research, 2020, 176, 115725.	5.3	56
817	A review on hybrid techniques for the degradation of organic pollutants in aqueous environment. Ultrasonics Sonochemistry, 2020, 67, 105130.	3.8	131

#	ARTICLE	IF	CITATIONS
818	Trace organic contaminants abatement by permanganate/bisulfite pretreatment coupled with conventional water treatment processes: Lab- and pilot-scale tests. <i>Journal of Hazardous Materials</i> , 2021, 401, 123380.	6.5	18
819	Degradation of nitrogen-containing hazardous compounds using advanced oxidation processes: A review on aliphatic and aromatic amines, dyes, and pesticides. <i>Journal of Hazardous Materials</i> , 2021, 403, 123657.	6.5	151
820	Directional Oxidation of Amine-Containing Phenolic Pharmaceuticals by Aqueous Dissolved Oxygen under Dark Conditions Catalyzed by Nitrogen-Doped Multiwall Carbon Nanotubes. <i>ACS ES&amp;T Water</i> , 2021, 1, 79-88.	2.3	5
822	Photocatalytic ozonation of offshore produced water by TiO <sub>2</sub> nanotube arrays coupled with UV-LED irradiation. <i>Journal of Hazardous Materials</i> , 2021, 402, 123456.	6.5	47
823	Progress and challenges of metal-organic frameworks-based materials for SR-AOPs applications in water treatment. <i>Chemosphere</i> , 2021, 263, 127672.	4.2	138
824	Novel multifunctional solid slippery surfaces with self-assembled fluorine-free small molecules. <i>Chemical Engineering Journal</i> , 2021, 404, 127064.	6.6	10
825	A review of the recent advances on the treatment of industrial wastewaters by Sulfate Radical-based Advanced Oxidation Processes (SR-AOPs). <i>Chemical Engineering Journal</i> , 2021, 406, 127083.	6.6	747
826	Photocatalytic activation of sulfite using Fe(II) and Fe(III) for <i>Enterococcus</i> sp. Inactivation in urban wastewater. <i>Chemical Engineering Journal</i> , 2021, 408, 127326.	6.6	9
827	Use of modified flotation cell as ozonation reactor to minimize mass transfer limitations. <i>Chemical Engineering Journal</i> , 2021, 405, 126978.	6.6	19
828	Selectivity and competition in the chemical oxidation processes for a binary pharmaceutical system in treated sewage effluent. <i>Science of the Total Environment</i> , 2021, 765, 142704.	3.9	13
829	Adsorbable organic halogens in contaminated water environment: A review of sources and removal technologies. <i>Journal of Cleaner Production</i> , 2021, 283, 124645.	4.6	29
830	Silver Nanoparticles Prepared by One-Step Reaction via Reducibility of a Metal-Organic Framework to Remove the Toxic Bromine Ions. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 535-543.	1.0	9
831	Efficient degradation of clofibric acid by heterogeneous catalytic ozonation using CoFe <sub>2</sub> O <sub>4</sub> catalyst in water. <i>Journal of Hazardous Materials</i> , 2021, 410, 124604.	6.5	57
832	Efficient catalytic activity and bromate minimization over lattice oxygen-rich MnOOH nanorods in catalytic ozonation of bromide-containing organic pollutants: Lattice oxygen-directed redox cycle and bromate reduction. <i>Journal of Hazardous Materials</i> , 2021, 410, 124545.	6.5	27
833	Mechanism concerning the occurrence and removal of antibiotic resistance genes in composting product with ozone post-treatment. <i>Bioresource Technology</i> , 2021, 321, 124433.	4.8	15
834	Fate and reduction of bromate formed in advanced water treatment ozonation systems: A critical review. <i>Chemosphere</i> , 2021, 266, 128964.	4.2	33
835	Simultaneous determination of nitrate, nitrite and bromate by capillary zone electrophoresis in tea infusions grown in the Black Sea region of Turkey. <i>Separation Science Plus</i> , 2021, 4, 45-53.	0.3	4
836	Impacts of pre-oxidation on the formation of disinfection byproducts from algal organic matter in subsequent chlor(am)ination: A review. <i>Science of the Total Environment</i> , 2021, 754, 141955.	3.9	73



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837	Effect of copper oxide on monochloramine decomposition in bromide-containing waters. <i>Science of the Total Environment</i> , 2021, 765, 142519.	3.9	4
838	Chronic Effects of Bromate on Sexual Reproduction of Freshwater Rotifer <i>Brachionus calyciflorus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 270-277.	1.3	4
839	Techniques for inactivating <i>Toxoplasma gondii</i> oocysts: a systematic review. <i>Brazilian Journal of Veterinary Parasitology</i> , 2021, 30, e026420.	0.2	3
840	Influence of bromide and iodide on the formation of disinfection by-products in drinking water treatment. <i>Comprehensive Analytical Chemistry</i> , 2021, 92, 117-138.	0.7	3
841	Impact of ozonation and biological post-treatment of municipal wastewater on microbiological quality parameters. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1643-1656.	1.2	7
842	Petroleum-contaminated soil: using sonolysis to improve mineralization and biodegradation potential of Fenton reaction and ozonolysis process. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16532-16543.	2.7	4
843	Carbocatalytic ozonation toward advanced water purification. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18994-19024.	5.2	33
844	Ozonation in drinking water treatment: an overview of general and practical aspects, mechanisms, kinetics, and byproduct formation. <i>Comprehensive Analytical Chemistry</i> , 2021, 92, 85-116.	0.7	14
845	Electrochemical Disinfection in Water and Wastewater Treatment: Identifying Impacts of Water Quality and Operating Conditions on Performance. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3470-3482.	4.6	67
846	Removal of Polycyclic Aromatic Hydrocarbons from Water Using Mn(III)-Based Advanced Oxidation Process. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, 04021002.	0.7	6
847	Enhanced Oxidation of Organic Contaminants by Iron(II)-Activated Periodate: The Significance of High-Valent Iron "Oxo Species. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7634-7642.	4.6	208
848	A Review on the Catalytic Hydrogenation of Bromate in Water Phase. <i>Catalysts</i> , 2021, 11, 365.	1.6	9
849	Status and needs for online control of tertiary ozone-based water treatment: use of surrogate correlation models for removal of trace organic contaminants. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 297.	3.9	2
850	Water-soluble electrospun strip based on the PVP/PVA/ mint extract modified with chitosan-glucosamine for the improvement of water quality. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	5
851	Coagulation-flocculation followed by catalytic ozonation processes for enhanced primary treatment during wet weather conditions. <i>Journal of Environmental Management</i> , 2021, 283, 111975.	3.8	9
852	Hydrogen peroxide formation in water during the VUV/UV irradiation process: Impacts and mechanisms of selected anions. <i>Environmental Research</i> , 2021, 195, 110751.	3.7	15
853	UV/H <sub>2</sub> O <sub>2</sub> oxidation of chloronitrobenzenes in waters revisited: Hydroxyl radical induced self-nitration. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 410, 113162.	2.0	7
854	Presenting a novel approach for designing chlorine contact reactors by combination of genetic algorithm with nonlinear condition functions, simulated annealing algorithm, pattern search algorithm and experimental efforts. <i>Annals of Environmental Science and Toxicology</i> , 2021, , 012-017.	0.6	0



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855	Elimination of aqueous levetiracetam by a cyclic flow-through electro-peroxone process. Separation and Purification Technology, 2021, 260, 118202.	3.9	12
856	Liquid-Infused Microgrooved Slippery Surface Ablated by One-Step Laser Irradiation for Underwater Bubble Directional Manipulation and Anisotropic Spreading. Micromachines, 2021, 12, 555.	1.4	2
857	Micropollutants as internal probe compounds to assess UV fluence and hydroxyl radical exposure in UV/H <sub>2</sub> O <sub>2</sub> treatment. Water Research, 2021, 195, 116940.	5.3	12
858	Photocatalytic degradation of a diazo-dye in artificial seawater matrix: Optimization of UV/H <sub>2</sub> O <sub>2</sub> process on the Ponceau S decolorization by using central composite design. Environmental Engineering Research, 2022, 27, 210002-0.	1.5	4
859	Membrane technologies for space engineering. Journal of Membrane Science, 2021, 626, 119177.	4.1	25
860	Status and management of arsenic pollution in groundwater: A comprehensive appraisal of recent global scenario, human health impacts, sustainable field-scale treatment technologies. Journal of Environmental Chemical Engineering, 2021, 9, 105203.	3.3	73
861	H <sub>2</sub> S Removal from Groundwater by Chemical Free Advanced Oxidation Process Using UV-C/VUV Radiation. Molecules, 2021, 26, 4016.	1.7	2
862	Study on the Transformation of I <sup>2+</sup> in Fe <sup>2+</sup> Activated PMS System. IOP Conference Series: Earth and Environmental Science, 2021, 791, 012134.	0.2	0
863	Aqueous N-nitrosamines: Precursors, occurrence, oxidation processes, and role of inorganic ions. Critical Reviews in Environmental Science and Technology, 2022, 52, 3604-3650.	6.6	13
864	Promoted elimination of antibiotic sulfamethoxazole in water using sodium percarbonate activated by ozone: Mechanism, degradation pathway and toxicity assessment. Separation and Purification Technology, 2021, 266, 118543.	3.9	57
865	Characterization of advanced wastewater treatment with ozone and activated carbon using LC-HRMS based non-target screening with automated trend assignment. Water Research, 2021, 200, 117209.	5.3	34
866	Toxicity of Ozonated Wastewater to HepG2 Cells: Taking Full Account of Nonvolatile, Volatile, and Inorganic Byproducts. Environmental Science & Technology, 2021, 55, 10597-10607.	4.6	24
867	Instability of $\beta$ -phase silver iodide nanoparticles in an aqueous medium by ozone. Journal of Environmental Chemical Engineering, 2021, 9, 105591.	3.3	5
868	The role of dissolved oxygen in the sulfite/divalent transition metal ion system: degradation performances and mechanisms. Chemical Engineering Journal, 2021, 417, 129115.	6.6	24
869	Comparison and performance assessment of ozone-based AOPs in view of trace organic contaminants abatement in water and wastewater: A review. Journal of Environmental Chemical Engineering, 2021, 9, 105599.	3.3	46
870	Ozone-based water treatment (O <sub>3</sub> , O <sub>3</sub> /UV, O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> ) for removal of organic micropollutants, bacteria inactivation and regrowth prevention. Journal of Environmental Chemical Engineering, 2021, 9, 105315.	3.3	59
871	Importance of High-Valent Iron Complex and Reactive Radicals in Organic Contaminants' Abatement by the Fe-TAML/Free Chlorine System. ACS ES&T Engineering, 2021, 1, 1401-1409.	3.7	14
872	The application of UV/O <sub>3</sub> process on ciprofloxacin wastewater containing high salinity: Performance and its degradation mechanism. Chemosphere, 2021, 276, 130220.	4.2	42

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873	Blocking the formation of bromate in $\text{Fe-Ti-Al}_2\text{O}_3$ catalytic ozonation of ibuprofen in bromide-containing water. <i>Environmental Technology</i> (United Kingdom), 2021, , 1-10.	1.2	0
874	Removal of Hydrogen Peroxide Residuals and By-Product Bromate from Advanced Oxidation Processes by Granular Activated Carbon. <i>Water</i> (Switzerland), 2021, 13, 2460.	1.2	6
875	Simultaneous Species Analysis of Arsenic, Selenium, Bromine, and Iodine in Bottled Drinking Water and Fruit Juice by High-Performance Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Sciences</i> , 2021, 37, 1241-1246.	0.8	2
876	Kinetics of diatrizoate degradation by ozone and the formation of disinfection by-products in the sequential chlorination. <i>Journal of Water Reuse and Desalination</i> , 2021, 11, 560-571.	1.2	6
877	Performance of microbubble ozonation on treated tropical peat water: Effects on THM4 and HAA5 precursor formation based on DOM hydrophobicity fractions. <i>Chemosphere</i> , 2021, 279, 130642.	4.2	14
878	Transformation of antiviral ribavirin during ozone/PMS intensified disinfection amid COVID-19 pandemic. <i>Science of the Total Environment</i> , 2021, 790, 148030.	3.9	20
879	Reduction of antibiotic resistance determinants in urban wastewater by ozone: Emphasis on the impact of wastewater matrix towards the inactivation kinetics, toxicity and bacterial regrowth. <i>Journal of Hazardous Materials</i> , 2021, 420, 126527.	6.5	16
880	Pool water disinfection by ozone-bromine treatment: Assessing the disinfectant efficacy and the occurrence and in vitro toxicity of brominated disinfection by-products. <i>Water Research</i> , 2021, 204, 117648.	5.3	10
881	Implications of hydrogen peroxide on bromate depression during seawater ozonation. <i>Chemosphere</i> , 2021, 280, 130669.	4.2	1
882	Comparison of naphthalene removal performance using $\text{H}_2\text{O}_2$ , sodium percarbonate and calcium peroxide oxidants activated by ferrous ions and degradation mechanism. <i>Chemosphere</i> , 2021, 283, 131209.	4.2	26
883	Iron-based metal-organic framework: Synthesis, structure and current technologies for water reclamation with deep insight into framework integrity. <i>Chemosphere</i> , 2021, 284, 131171.	4.2	83
884	Formation control of bromate and trihalomethanes during ozonation of bromide-containing water with chemical addition: Hydrogen peroxide or ammonia?. <i>Journal of Environmental Sciences</i> , 2021, 110, 111-118.	3.2	1
885	Effect of phosphate on peroxymonosulfate activation: Accelerating generation of sulfate radical and underlying mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120532.	10.8	172
886	Application of cold plasma and ozone technology for decontamination of <i>Escherichia coli</i> in foods- a review. <i>Food Control</i> , 2021, 130, 108338.	2.8	90
887	Origin of the improved reactivity of $\text{MoS}_2$ single crystal by confining lattice Fe atom in peroxymonosulfate-based Fenton-like reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120537.	10.8	53
888	pH-dependent contribution of chlorine monoxide radicals and byproducts formation during UV/chlorine treatment on clothianidin. <i>Chemical Engineering Journal</i> , 2022, 428, 132444.	6.6	17
889	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.	4.2	11
890	Surface-mediated periodate activation by nano zero-valent iron for the enhanced abatement of organic contaminants. <i>Journal of Hazardous Materials</i> , 2022, 423, 126991.	6.5	53

#	ARTICLE	IF	CITATIONS
891	Adding CuCo <sub>2</sub> O <sub>4</sub> -GO to inhibit bromate formation and enhance sulfamethoxazole degradation during the ozone/peroxymonosulfate process: Efficiency and mechanism. <i>Chemosphere</i> , 2022, 286, 131829.	4.2	9
892	Chlorine and ozone disinfection and disinfection byproducts in postharvest food processing facilities: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1825-1867.	6.6	26
894	Pseudoviruses for the assessment of coronavirus disinfection by ozone. <i>Environmental Chemistry Letters</i> , 2021, 19, 1779-1785.	8.3	37
895	Designing Novel Photocatalysts for Disinfection of Multidrug-Resistant Waterborne Bacteria. <i>Green Energy and Technology</i> , 2020, , 441-476.	0.4	1
896	Ozone-Based Technologies in Water and Wastewater Treatment. <i>Handbook of Environmental Chemistry</i> , 2008, , 127-175.	0.2	27
897	Waterborne and Environmentally-Borne Giardiasis. , 2011, , 29-69.		4
898	Disinfection: A Trade-Off Between Microbial and Chemical Risks. , 2020, , 211-228.		2
899	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <i>Nanostructure Science and Technology</i> , 2020, , 195-278.	0.1	7
900	Bottled water safety evaluations in IRAN: determination of bromide and oxyhalides (chlorite,) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 427. <i>Chemosphere</i> , 2020, 18, 609-616.	1.4	9
901	Implications of bromate depression from H <sub>2</sub> O <sub>2</sub> addition during ozonation of different bromide-bearing source waters. <i>Chemosphere</i> , 2020, 252, 126596.	4.2	14
902	Field evaluation of a pressurized ozone treatment system to degrade sulfolane in contaminated groundwaters. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104037.	3.3	11
903	Ozonation using hollow fiber contactor technology and its perspectives for micropollutants removal in water: A review. <i>Science of the Total Environment</i> , 2020, 729, 138664.	3.9	31
904	Automated ICP-MS method to measure bromine, chlorine, and iodine species and total metals content in drinking water. <i>Talanta Open</i> , 2020, 1, 100002.	1.7	7
905	Integration of aerobic granulation and UV/H <sub>2</sub> O <sub>2</sub> processes in a continuous flow system for the degradation of sulfolane in contaminated water. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1711-1722.	1.2	8
906	Limiter la formation des sous-produits de d'Ã©sinfection. <i>Techniques - Sciences - Methodes</i> , 2014, , 69-83.	0.0	1
907	Decentralized solar-powered drinking water ozonation in Western Kenya: an evaluation of disinfection efficacy. <i>Gates Open Research</i> , 2020, 4, 56.	2.0	7
908	Occurrence of Regulated and Emerging Iodinated DBPs in the Shanghai Drinking Water. <i>PLoS ONE</i> , 2013, 8, e59677.	1.1	39
909	Disinfection of Bacteria Escherichia Coli using Hydrodynamic Cavitation. <i>International Journal of Technology</i> , 2014, 4, 209.	0.4	7

#	ARTICLE	IF	CITATIONS
910	Structure, Physico-chemical and Microbiological Properties of Ozone-oxidized Wheat, Corn, Potato and Rice Starches. <i>Journal of Food Science and Engineering</i> , 2012, 2, .	0.1	4
911	Ozone treatment of ballast water on the oil tanker S/T Tonsina: chemistry, biology and toxicity. <i>Marine Ecology - Progress Series</i> , 2006, 324, 37-55.	0.9	46
912	Patterned Slippery Surface for Bubble Directional Transportation and Collection Fabricated via a Facile Method. <i>Research</i> , 2019, 2019, 9139535.	2.8	8
913	An Integrated Simulation-based Process Control and Operation Planning (IS-PCOP) System for Marine Oily Wastewater Management. <i>Journal of Environmental Informatics</i> , 2016, , .	6.0	1
914	Environmental Toxicity and Antimicrobial Efficiency of Titanium Dioxide Nanoparticles in Suspension. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2015, 06, 213-224.	1.0	25
915	Occurrence and removals of micropollutants in water environment. <i>Environmental Engineering Research</i> , 2016, 21, 319-332.	1.5	122
916	Conversion of organic micropollutants with limited bromate formation during the Peroxone process in drinking water treatment. <i>Drinking Water Engineering and Science</i> , 2015, 8, 25-34.	0.8	10
918	Zero Valent Iron-induced Fenton-like Oxidation Towards Water Treatment. <i>Chemistry in the Environment</i> , 2021, , 347-375.	0.2	0
919	Rapid detoxification of Microcystin-LR by selective catalytic hydrogenation of the Adda moiety using TiO <sub>2</sub> -supported Pd catalysts. <i>Chemosphere</i> , 2022, 288, 132641.	4.2	4
920	Oxidant-reactive carbonous moieties in dissolved organic matter: Selective quantification by oxidative titration using chlorine dioxide and ozone. <i>Water Research</i> , 2021, 207, 117790.	5.3	23
921	Chemical Reactive Zones. , 2004, , 247-334.		0
924	Removal of Selected Organic Micropollutants from WWTP Effluent with Powdered Activated Carbon and Retention by Nanofiltration. , 2009, , 161-178.		2
925	ORIGINS OF BROMIDE ION IN THE LAKE BIWA-YODO RIVER BASIN. <i>Doboku Gakkai Ronbunshuu G</i> , 2009, 65, 218-225.	0.1	0
926	Progress of Study on Waterborne Giardiasis. <i>Hans Journal of Biomedicine</i> , 2011, 01, 34-38.	0.0	0
927	Generation of Free Chlorine Using RuO <sub>2</sub> / Ti Electrode with Various Amount of Ru. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2012, 34, 715-719.	0.4	2
929	The Comparison of Disinfection Technologies for Managing Antibiotic Resistance ; Chlorination, Ozonation and Electron Beam. <i>Journal of the Korean Society of Water and Wastewater</i> , 2013, 27, 797-803.	0.3	1
930	Protozoan Parasites. , 0, , 713-733.		0
931	The CT values Comparisons for Antibiotic Resistant Bacteria and Resistant Genes by Chlorination. <i>Journal of Wetlands Research</i> , 2014, 16, 269-274.	0.2	0

#	ARTICLE	IF	CITATIONS
932	Degradation of Aqueous 2,6-Dibromophenol Solution by In-Liquid Dielectric Barrier Microplasma. World Journal of Engineering and Technology, 2016, 04, 423-432.	0.3	4
933	Water Quality Improvement by Water-Lifting Aerators. Handbook of Environmental Chemistry, 2016, , 347-384.	0.2	0
934	Characteristics of the Disinfection Byproducts Formation in Electrolysis Disinfection of Drinking Water. Journal of the Korean Society of Water and Wastewater, 2016, 30, 69-75.	0.3	0
935	High Resolution Mass Spectrometry Elucidation of Captopril's Ozonation and Chlorination By-Products. American Journal of Analytical Chemistry, 2017, 08, 264-279.	0.3	1
936	Elimination of selected anions and cations from water by means of the Donnan dialysis. Environmental Protection Engineering, 2017, 43, .	0.1	1
937	Reduction of Coliforms presents in domestic residual waters by Air-Ozone Micro-Nanobubbles In Carhuaz city, Peru. Journal of Nanotechnology, 2017, 1, 9.	0.2	8
938	Effect of ozone treatment on three bacterial strains of drinking water. , 2018, , .		0
939	Decolorization of Reactive Yellow 17 in aqueous solution by ozonation in a semi-batch bubble column reactor. Journal of the Turkish Chemical Society, Section A: Chemistry, 0, , 835-844.	0.4	0
940	Diklofenak'ın Kalıtımsız ve UV ve UV/ H <sub>2</sub> O <sub>2</sub> Yarıntemleri ile Gideriminin Karşılaştırılması. Kahramanmaraş Sırtçınan Üniversitesi Mühendislik Bilimleri Dergisi, 2018, 21, 272-279.	0.0	0
941	Two Sides of a Coin: Targets and By-Products of Water and Wastewater Treatment. Springer Transactions in Civil and Environmental Engineering, 2020, , 15-29.	0.3	0
943	Bromate in Bottled Water – Potential Hazard for Human Health. Geomatics and Environmental Engineering, 2019, 13, 115-125.	0.5	0
944	Control of halophenol formation in seawater during chlorination using UV/TiO <sub>2</sub> pre-treatment. Water Science and Technology: Water Supply, 2020, 20, 440-447.	1.0	1
945	Effect of Ozonation on the Properties of Dry and Moisturized Bread Wheat Grain with and without Bran. Yuzuncu Yil University Journal of Agricultural Sciences, 2019, 29, 604-610.	0.1	0
946	Decentralized solar-powered drinking water ozonation in Western Kenya: an evaluation of disinfection efficacy. Gates Open Research, 2020, 4, 56.	2.0	4
947	Reigning Technologies and Their Challenges for Antibiotics Removal. Springer Transactions in Civil and Environmental Engineering, 2021, , 295-324.	0.3	1
948	Efficacy and mechanism of chemical-free VUV/UV process for oxytetracycline degradation: Continuous-flow experiment and CFD modeling. Chemical Engineering Journal Advances, 2020, 4, 100059.	2.4	6
949	Introduction to Oxidative Technologies for Water Treatment. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 119-175.	0.2	2
950	Tamoxifen: Occurrence, Fate, Transformation Products, and Non-Conventional Treatment Technologies. , 2020, , 71-86.		2

#	ARTICLE	IF	CITATIONS
951	Radical Reactions and Their Application for Water Treatment. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 203-219.	0.2	1
952	Design methodology to determine the water quality monitoring strategy of a surface water treatment plant in the Netherlands. Drinking Water Engineering and Science, 2020, 13, 1-13.	0.8	0
953	Disinfecting Water with the Carbon Fiber-Based Flow-Through Electrode System (FES): Towards Axial Dispersion and Velocity Profile. Open Access Library Journal (oalib), 2020, 07, 1-13.	0.1	7
954	Degradation of Micropollutants and Formation of Oxidation By-Products during the Ozone/Peroxymonosulfate System: A Critical Review. Water (Switzerland), 2021, 13, 3126.	1.2	7
955	Comparison of the bacterial viability assessments for the disinfected quarantined water along with an effect of total residual oxidants. Environmental Monitoring and Assessment, 2021, 193, 782.	1.3	1
956	NHĨAŠN Cá»U KHÁ»C NẢ,NG BẮT HOÁT ESCHERICHIA COLI TRONG NẢ»ŠC BẮ»NG TIA Cá»C TẢM VẢ»ŠI SẢ»HẢ»- TRẢ»C Cá»   A TT LẢ»ŽNG. Hue University Journal of Science Earth Science and Environment, 2020, 129, .	0.0	0
957	Industrial Biofilms and their Control. Springer Series on Biofilms, 2008, , 65.	0.0	0
958	Modeling study of the indirect treatment of phosphate buffered saline in surface air plasma. Journal Physics D: Applied Physics, 2021, 54, 065203.	1.3	10
959	Design of a cost-effective electrochlorination system for point-of-use water treatment. Environmental Engineering Research, 2021, 26, 200437-0.	1.5	2
960	Comparison of the effects of formaldehyde and gaseous ozone on HBV-contaminated hospital quilts. International Journal of Clinical and Experimental Medicine, 2015, 8, 19454-9.	1.3	1
961	Oxyanions in Aqua Systems»Friends or Foes?. Environmental Contamination Remediation and Management, 2021, , 1-31.	0.5	0
962	Discovery of Polar Ozonation Byproducts via Direct Injection of Effluent Organic Matter with Online LC-FT-ICR-MS. Environmental Science & Technology, 2022, 56, 1894-1904.	4.6	22
963	Degradation of chlorinated volatile organic compounds from contaminated ground water using a carrier-bound TiO2/UV/O3-system. Journal of Environmental Management, 2022, 304, 114236.	3.8	12
964	Synergistic effects of ozone/peroxymonosulfate for isothiazolinone biocides degradation: Kinetics, synergistic performance and influencing factors. Environmental Pollution, 2022, 294, 118626.	3.7	18
965	Linking reaction rate constants and isotope fractionation of ozonation reactions using phenols as probes. Water Research, 2022, 210, 117931.	5.3	6
966	Construction of the micro-electrolysis system by Fe0 and clay-carbon derived from oil refining for the removal of ozone disinfection by-products. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 637, 128224.	2.3	3
967	Bromide strongly influences the formation of reaction products during the ozonation of diclofenac, metoprolol and isoproteron. Science of the Total Environment, 2022, 815, 152427.	3.9	2
968	Ozonation of organic compounds in water and wastewater: A critical review. Water Research, 2022, 213, 118053.	5.3	193



#	ARTICLE	IF	CITATIONS
969	Bromate formation during oxidation of bromide-containing water by the CuO catalyzed peroxymonosulfate process. <i>Chinese Chemical Letters</i> , 2022, 33, 4786-4791.	4.8	1
970	Multifunctional Membranes—A Versatile Approach for Emerging Pollutants Removal. <i>Membranes</i> , 2022, 12, 67.	1.4	11
971	Micropollutant abatement with UV/H <sub>2</sub> O <sub>2</sub> oxidation or low-pressure reverse osmosis? A comparative life cycle assessment for drinking water production. <i>Journal of Cleaner Production</i> , 2022, 336, 130227.	4.6	8
972	Evaluation of preformed monochloramine for bromate control in ozonation for potable reuse. <i>Water Research</i> , 2022, 211, 118049.	5.3	16
973	Effects of catalytic ozonation catalyzed by TiO <sub>2</sub> activated carbon and biochar on dissolved organic matter removal and disinfection by-product formations investigated by Orbitrap mass spectrometry. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107215.	3.3	16
974	Strategy for improving photocatalytic ozonation activity of g-C <sub>3</sub> N <sub>4</sub> by halogen doping for water purification. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121133.	10.8	44
975	Influence of water matrix on the degradation of organic micropollutants by ozone based processes: A review on oxidant scavenging mechanism. <i>Journal of Hazardous Materials</i> , 2022, 429, 128189.	6.5	62
976	Chapter 5. 2D Photocatalytic Materials for Environmental Applications. <i>Inorganic Materials Series</i> , 2022, , 217-293.	0.5	0
977	Removal of Small-Molecular-Weight Organic Matter by Coagulation, Adsorption, and Oxidation: Molecular Transformation and Disinfection Byproduct Formation Potential. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 886-894.	3.7	13
978	Ozonation of phenol in the presence of biochar and carbonaceous materials: The effect of surface functional groups and graphitic structure on the formation of reactive oxygen species. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107386.	3.3	14
979	Permanganate/Bisulfite Pre-Oxidation of Natural Organic Matter Enhances Nitrogenous Disinfection By-Products Formation during Subsequent Chlorination. <i>Water (Switzerland)</i> , 2022, 14, 507.	1.2	1
980	Photolysis of Chlorate Under Vuv/Uv Irradiation: Critical Roles of Reactive Species and Proposed Transformation Pathway. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
981	Multi-Soil-Layering Technology: A New Approach to Remove <i>Microcystis aeruginosa</i> and Microcystins from Water. <i>Water (Switzerland)</i> , 2022, 14, 686.	1.2	1
982	Removal of Antibiotic Resistance From Municipal Secondary Effluents by Ozone-Activated Carbon Filtration. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	4
983	Iodide sources in the aquatic environment and its fate during oxidative water treatment – A critical review. <i>Water Research</i> , 2022, 217, 118417.	5.3	27
984	New aspects in deriving health-based guidance values for bromate in swimming pool water. <i>Archives of Toxicology</i> , 2022, 96, 1623-1659.	1.9	2
985	Ozone disinfection of waterborne pathogens and their surrogates: A critical review. <i>Water Research</i> , 2022, 214, 118206.	5.3	55
986	ClO <sub>2</sub> pre-oxidation changes dissolved organic matter at the molecular level and reduces chloro-organic byproducts and toxicity of water treated by the UV/chlorine process. <i>Water Research</i> , 2022, 216, 118341.	5.3	15



#	ARTICLE	IF	CITATIONS
987	Activation of hydrogen peroxide, persulfate, and free chlorine by steel anode for treatment of municipal and livestock wastewater: Unravelling the role of oxidants speciation. <i>Water Research</i> , 2022, 216, 118305.	5.3	6
988	Occurrence of perchlorate, chlorate and bromate in drinking water in Shenzhen and related human exposure risks. <i>Environmental Advances</i> , 2022, 8, 100205.	2.2	1
989	Detrimental Effect of Ozone on Pathogenic Bacteria. <i>Microorganisms</i> , 2022, 10, 40.	1.6	20
990	Recent Update on UV Disinfection to Fulfill the Disinfection Credit Value for Enteric Viruses in Water. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16283-16298.	4.6	14
991	Removal of micropollutants. , 2022, , 443-461.		4
994	Ozone-based electrochemical advanced oxidation processes. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 101017.	2.5	5
995	Comparative Studies between Electro-Oxidation and Other Oxidation Processes. , 2022, , 313-339.		0
996	A novel design of in-line static mixer for permanganate/bisulfite process: Numerical simulations and pilot-scale testing. <i>Water Environment Research</i> , 0, , .	1.3	1
997	Molecular ecological networks reveal the spatial-temporal variation of microbial communities in drinking water distribution systems. <i>Journal of Environmental Sciences</i> , 2023, 124, 176-186.	3.2	12
998	Unraveling the multiple roles of VUV mediated hydroxyl radical in VUV/UV/chlorine process: Kinetic simulation, mechanistic consideration and byproducts formation. <i>Chemical Engineering Journal</i> , 2022, 446, 137066.	6.6	14
999	Occurrence of Disinfection By-Products (Dbp) in Thermal Water Pools. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1000	Inactivation of Antibiotic Resistant Bacteria and Degradation of Plasmid-Encoded Antibiotic Resistance Genes in Groundwater by Conventional Ozonation and Electro-Peroxone Process. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1001	FellAlIII layered double hydroxide modified carbon-felt cathode for efficient electrochemical reduction of bromate. <i>Chemical Engineering Journal</i> , 2022, 446, 137356.	6.6	28
1002	Triiodide ion-induced inhibition of amyloid aggregate formation: A case study of I±-synuclein. <i>Journal of Molecular Liquids</i> , 2022, 360, 119446.	2.3	3
1003	New insights into bromate removal by UV/sulfite process: Influencing factors, mechanism, and energy efficiency. <i>Journal of Water Process Engineering</i> , 2022, 48, 102917.	2.6	0
1004	Shale Gas Wastewater Geochemistry and Impact on the Quality of Surface Water in Sichuan Basin. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1006	Advanced wastewater treatment with ozonation and granular activated carbon filtration: Inactivation of antibiotic resistance targets in a long-term pilot study. <i>Journal of Hazardous Materials</i> , 2022, 438, 129396.	6.5	13
1007	Tradeoff between micropollutant abatement and bromate formation during ozonation of concentrates from nanofiltration and reverse osmosis processes. <i>Water Research</i> , 2022, 221, 118785.	5.3	11

#	ARTICLE	IF	CITATIONS
1008	Potent Activity of a High Concentration of Chemical Ozone against Antibiotic-Resistant Bacteria. <i>Molecules</i> , 2022, 27, 3998.	1.7	8
1009	Employing electro-peroxone process for industrial wastewater treatment: a critical review. <i>Chemical Papers</i> , 2022, 76, 5341-5367.	1.0	8
1010	Transcriptome analysis provides new insights into the tolerance and aerobic reduction of <i>Shewanella decolorationis</i> Ni1-3 to bromate. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 4749-4761.	1.7	2
1011	On-line monitoring amplification of bromate in bottled ozonated water by flow injection analysis and spectrophotometry. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109645.	1.8	1
1012	Decolorization and control of bromate formation in membrane ozonation of humic-rich groundwater. <i>Water Research</i> , 2022, 221, 118739.	5.3	12
1013	Assessment of phytotoxic potential and pathogenic bacteria removal from secondary effluents during ozonation and UV/H <sub>2</sub> O <sub>2</sub> . <i>Journal of Environmental Management</i> , 2022, 318, 115522.	3.8	5
1014	Culture and Molecular Methods as Complementary Tools for Water Quality Management. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1015	Bromide occurrence in Croatian groundwater and application of literature models for bromate formation. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	1
1016	Removal of halides from drinking water: technological achievements in the past ten years and research needs. <i>Environmental Science and Pollution Research</i> , 2022, 29, 55514-55527.	2.7	5
1017	Occurrence of brominated disinfection by-products in thermal spas. <i>Science of the Total Environment</i> , 2022, 845, 157338.	3.9	8
1018	Catalytic ozonation of aqueous 4-methylquinoline by fluorinated ceramic honeycomb. <i>Chemosphere</i> , 2022, 307, 135678.	4.2	5
1019	Multiple Roles of Dissolved Organic Matter in Advanced Oxidation Processes. <i>Environmental Science &amp; Technology</i> , 2022, 56, 11111-11131.	4.6	112
1020	Sulfate radical-based advanced oxidation process for algal toxin mineralization in seawater desalination. <i>Desalination</i> , 2022, 539, 115974.	4.0	5
1021	Efficient and reductive removal of bromate using a novel and stable nanoscale zero-valent iron embedded in N-doped carbon derived from metal-organic frameworks. <i>Chemosphere</i> , 2022, 306, 135503.	4.2	1
1022	D <sup>14</sup> C SUVA Değerine Sahip Kaynak Sularında Farklı Dezenfeksiyon Senaryolarında Halonitrometan Oluşum Potansiyellerinin Değerlendirilmesi. <i>Doğal Afetler Ve Çevre Dergisi</i> , 2022, 8, 351-358.	0.2	0
1023	Trichloramine and Hydroxyl Radical Contributions to Dichloroacetonitrile Formation Following Breakpoint Chlorination. <i>Environmental Science &amp; Technology</i> , 2022, 56, 12592-12601.	4.6	11
1024	Culture and molecular methods as complementary tools for water quality management. <i>Science of the Total Environment</i> , 2022, 848, 157789.	3.9	1
1025	Insights into the Kinetics, Theoretical Model and Mechanism of Free Radical Synergistic Degradation of Micropollutants in UV/Peroxydisulfate Process. <i>Water (Switzerland)</i> , 2022, 14, 2811.	1.2	1

#	ARTICLE	IF	CITATIONS
1026	The mechanisms of ozonation for ammonia nitrogen removal: An indirect process. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108525.	3.3	2
1027	Emerging periodate-based oxidation technologies for water decontamination: A state-of-the-art mechanistic review and future perspectives. <i>Journal of Environmental Management</i> , 2022, 323, 116241.	3.8	13
1028	Shale gas wastewater geochemistry and impact on the quality of surface water in Sichuan Basin. <i>Science of the Total Environment</i> , 2022, 851, 158371.	3.9	8
1029	EEM-PARAFAC as a convenient methodology to study fluorescent emerging pollutants degradation: (fluoro)quinolones oxidation in different water matrices. <i>Science of the Total Environment</i> , 2022, 852, 158338.	3.9	7
1030	Trace Mn(II)-catalyzed periodate oxidation of organic contaminants not relying on any transient reactive species: The substrate-dependent dual roles of in-situ formed colloidal MnO <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2023, 451, 139106.	6.6	21
1031	MgIn <sub>2</sub> S <sub>4</sub> @In <sub>2</sub> O <sub>3</sub> hierarchical tubular heterostructures with expedited photocarrier separation for efficient visible-light-driven antimicrobial activity. <i>Chemical Engineering Journal</i> , 2023, 452, 139559.	6.6	10
1032	Biologically treated industrial wastewater disinfection using the synergy of low-frequency ultrasound and H <sub>2</sub> O <sub>2</sub> /O <sub>3</sub> . <i>Journal of Environmental Health Science &amp; Engineering</i> , 2022, 20, 889-898.	1.4	1
1033	Modification of Disinfection Process at a Local Water Treatment Plant – Skawina (Poland). <i>Water (Switzerland)</i> , 2022, 14, 2924.	1.2	1
1034	Electrochemical Oxidation Processes for the Treatment of Organic Pollutants in Water: Performance Evaluation Using Different Figures of Merit. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 1797-1824.	3.7	10
1035	Formation of chlorate and perchlorate during electrochemical oxidation by Magnéli phase Ti <sub>4</sub> O <sub>7</sub> anode: inhibitory effects of coexisting constituents. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
1036	A review on disinfection methods for inactivation of waterborne viruses. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	18
1037	New Countermeasures Against Infections with/after COVID-19: Is Chlorine Dioxide a Useful and Safe Disinfectant?. <i>Juntendo Medical Journal</i> , 2022, 68, 465-472.	0.1	1
1038	Wastewater Treatment and Remediation of Harmful Substances Using Green Materials. , 2022, , 1-10.		0
1039	Pharmaceutical and Microplastic Pollution before and during the COVID-19 Pandemic in Surface Water, Wastewater, and Groundwater. <i>Water (Switzerland)</i> , 2022, 14, 3082.	1.2	9
1040	Fabrication of Polyaniline/Graphene Oxide Nanosheet@ Tea Waste Granules Adsorbent for Groundwater Purification. <i>Nanomaterials</i> , 2022, 12, 3840.	1.9	2
1041	Ozonation/UV irradiation of dispersed Ag/AgI nanoparticles in water resources: stability and aggregation. <i>Environmental Science and Pollution Research</i> , 2023, 30, 23192-23212.	2.7	1
1042	Landfill leachate post-treatment by the photoelectro-peroxone process using a baffled reactor. <i>Separation and Purification Technology</i> , 2023, 306, 122549.	3.9	3
1043	3-D computational fluid dynamics modeling of a hollow fiber membrane contactor ozonation process. <i>Journal of Water Process Engineering</i> , 2023, 51, 103362.	2.6	3

#	ARTICLE	IF	CITATIONS
1044	Stable isotope labeling for detection of ozonation byproducts in effluent organic matter with FT-ICR-MS. <i>Water Research</i> , 2023, 229, 119477.	5.3	5
1045	Ozone based inactivation and disinfection in the pandemic time and beyond: Taking forward what has been learned and best practice. <i>Science of the Total Environment</i> , 2023, 862, 160711.	3.9	13
1046	Application of O <sub>3</sub> /PMS Advanced Oxidation Technology in the Treatment of Organic Pollutants in Highly Concentrated Organic Wastewater: A Review. <i>Separations</i> , 2022, 9, 444.	1.1	2
1047	Activated sodium percarbonate-ozone (SPC/O <sub>3</sub> ) hybrid hydrodynamic cavitation system for advanced oxidation processes (AOPs) of 1,4-dioxane in water. <i>Chemical Engineering Journal</i> , 2023, 456, 141027.	6.6	33
1048	Bacterial inactivation processes in water disinfection – mechanistic aspects of primary and secondary oxidants – A critical review. <i>Water Research</i> , 2023, 231, 119626.	5.3	18
1049	Oxidation of the nitrogen-free phosphonate antiscalants HEDP and PBTC in reverse osmosis concentrates: Reaction kinetics and degradation rate. <i>Water Research</i> , 2023, 233, 119571.	5.3	10
1050	Co-Occurrence of Bromine and Iodine Species in US Drinking Water Sources That Can Impact Disinfection Byproduct Formation. <i>Environmental Science &amp; Technology</i> , 2023, 57, 18563-18574.	4.6	5
1051	GC-HRMS analysis to evaluate the effectiveness of ozone disinfection in the removal of micropollutants from wastewater. <i>Environmental Science: Water Research and Technology</i> , 2023, 9, 922-934.	1.2	2
1052	Fe-Trimesic Acid/Melamine Gel-Derived Fe/N-Doped Carbon Nanotubes as Catalyst of Peroxymonosulfate to Remove Sulfamethazine. <i>Water (Switzerland)</i> , 2023, 15, 381.	1.2	2
1053	Drinking water treatment and associated toxic byproducts: Concurrence and urgency. <i>Environmental Pollution</i> , 2023, 320, 121009.	3.7	10
1054	Empirical Modeling of Bromate Formation and Chemical Control Strategies at Multiple Water Reuse Facilities Using Ozone. <i>Ozone: Science and Engineering</i> , 2023, 45, 446-454.	1.4	1
1055	Metals as Catalysts for Ozonation. , 0, , .		0
1056	Study on the ozonation degradation of methylene blue enhanced by microchannel and ultrasound. <i>Water Science and Technology</i> , 2023, 87, 598-613.	1.2	2
1057	Ozone Diffusion through a Hollow Fiber Membrane Contactor for Pharmaceuticals Removal and Bromate Minimization. <i>Membranes</i> , 2023, 13, 171.	1.4	2
1058	CaIn <sub>2</sub> S <sub>4</sub> –In <sub>2</sub> O <sub>3</sub> hybrid nanofibers with expedited photocarrier separation for fast photocatalytic bacterial inactivation under visible light. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	1
1059	Kinetic Modeling-Assisted Optimization of the Peroxone (O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> ) Water Treatment Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 0, , .	1.8	0
1060	Ozone micro-bubble aeration using the ceramic ultrafiltration membrane with superior oxidation performance for 2, 4-D elimination. <i>Water Research</i> , 2023, 237, 119952.	5.3	4
1061	Linear and Non-Linear Modelling of Bromate Formation during Ozonation of Surface Water in Drinking Water Production. <i>Water (Switzerland)</i> , 2023, 15, 1516.	1.2	1

#	ARTICLE	IF	CITATIONS
1062	Extraction of diclofenac sodium from water using N-benzylethanolamine based ionic liquids: Computational and experimental approach. <i>Journal of Molecular Liquids</i> , 2023, 378, 121603.	2.3	6
1063	UV-induced degradation of contaminants of emerging concern in the presence of monobromoamine: Role of N-Br bond and degradation mechanisms. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109646.	3.3	1
1064	Kinetic evaluation of heterocatalytic ozone-based activation of peroxymonosulfate using acid-treated graphene catalyst for the degradation of micropollutants. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109659.	3.3	4
1065	Removal of antibiotic resistant bacteria and plasmid-encoded antibiotic resistance genes in water by ozonation and electro-peroxone process. <i>Chemosphere</i> , 2023, 319, 138039.	4.2	10
1066	Influences of pH, Reagent Dose, and Water Matrix Components on the Formation and Utilization of Hydroxyl Radicals in the Oxidation of Bisphenol S and <i>p</i> -Chlorobenzoic Acid by the Fenton Reaction. <i>ACS ES&amp;T Water</i> , 2023, 3, 629-638.	2.3	1
1067	Synergistic bactericidal activity of ultraviolet radiation, ozone, and liquid-thin-film technology against <i>Escherichia coli</i> in water. <i>Water Science and Technology: Water Supply</i> , 2023, 23, 884-894.	1.0	0
1068	Formation of carbonyl compounds during ozonation of lake water and wastewater: Development of a non-target screening method and quantification of target compounds. <i>Water Research</i> , 2023, 237, 119751.	5.3	13
1069	Tandem Efficient Bromine Removal and Silver Recovery by Resorcinol-Formaldehyde Resin Nanoparticles. <i>Nano Letters</i> , 2023, 23, 2239-2246.	4.5	1
1070	Floating immobilized TiO <sub>2</sub> catalyst for the solar photocatalytic treatment of micro-pollutants within the secondary effluent of wastewater treatment plants. <i>Water Science and Technology</i> , 2023, 87, 1082-1095.	1.2	0
1071	Ballast water treatment by ozone nanobubbles. <i>Journal of Chemical Technology and Biotechnology</i> , 0, , .	1.6	1
1072	Fluorescence Spectroscopy for the Assessment of Microbial Load in UVC Treated Water. <i>Journal of Fluorescence</i> , 2023, 33, 2339-2347.	1.3	3
1073	Ferrate(VI)/Periodate System: Synergistic and Rapid Oxidation of Micropollutants via Periodate/Iodate-Modulated Fe(IV)/Fe(V) Intermediates. <i>Environmental Science &amp; Technology</i> , 2023, 57, 7051-7062.	4.6	24
1075	Effects of Br <sup>-</sup> on NDMA Formation During Chloramination: a Review of Influencing Factors, Mechanisms, and Control. <i>Chemical Research in Chinese Universities</i> , 2023, 39, 370-377.	1.3	3
1118	Ozone-based oxidation processes for the removal of pharmaceutical products from wastewater. , 2024, , 287-308.		0