

# Ching-Hua Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

141  
papers

11,563  
citations

22099

59  
h-index

29081

104  
g-index

143  
all docs

143  
docs citations

143  
times ranked

8055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of Pharmaceuticals and Metabolite in Synthetic Human Urine by UV, UV/H <sub>2</sub> O <sub>2</sub> , and UV/PDS. <i>Environmental Science &amp; Technology</i> , 2015, 49, 3056-3066.	4.6	397
2	Analysis of estrogenic hormones in municipal wastewater effluent and surface water using enzyme-linked immunosorbent assay and gas chromatography/tandem mass spectrometry. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 133-139.	2.2	357
3	Year-long evaluation on the occurrence and fate of pharmaceuticals, personal care products, and endocrine disrupting chemicals in an urban drinking water treatment plant. <i>Water Research</i> , 2014, 51, 266-276.	5.3	345
4	Oxidative Transformation of Triclosan and Chlorophene by Manganese Oxides. <i>Environmental Science &amp; Technology</i> , 2003, 37, 2421-2430.	4.6	333
5	Simultaneous determination of fluoroquinolone, sulfonamide, and trimethoprim antibiotics in wastewater using tandem solid phase extraction and liquid chromatography-electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1042, 113-121.	1.8	302
6	Transformation of the Antibacterial Agent Sulfamethoxazole in Reactions with Chlorine: Kinetics, Mechanisms, and Pathways. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5607-5615.	4.6	294
7	Perfluorooctanoic Acid Degradation Using UV-Persulfate Process: Modeling of the Degradation and Chlorate Formation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 772-781.	4.6	294
8	Advanced Oxidation Process with Peracetic Acid and Fe(II) for Contaminant Degradation. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13312-13322.	4.6	294
9	Oxidative Transformation of Fluoroquinolone Antibacterial Agents and Structurally Related Amines by Manganese Oxide. <i>Environmental Science &amp; Technology</i> , 2005, 39, 4474-4483.	4.6	292
10	Peracetic acid-based advanced oxidation processes for decontamination and disinfection of water: A review. <i>Water Research</i> , 2021, 188, 116479.	5.3	284
11	UV/Peracetic Acid for Degradation of Pharmaceuticals and Reactive Species Evaluation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14217-14224.	4.6	274
12	Interactions of Fluoroquinolone Antibacterial Agents with Aqueous Chlorine: Reaction Kinetics, Mechanisms, and Transformation Pathways. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7065-7076.	4.6	235
13	Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. <i>Environmental Science: Nano</i> , 2018, 5, 27-47.	2.2	211
14	Adsorption and transformation of tetracycline antibiotics with aluminum oxide. <i>Chemosphere</i> , 2010, 79, 779-785.	4.2	206
15	Cobalt/Peracetic Acid: Advanced Oxidation of Aromatic Organic Compounds by Acetylperoxyl Radicals. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5268-5278.	4.6	200
16	Inactivation of <i>Escherichia coli</i> , Bacteriophage MS2, and <i>Bacillus</i> Spores under UV/H <sub>2</sub> O <sub>2</sub> and UV/Peroxydisulfate Advanced Disinfection Conditions. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4448-4458.	4.6	194
17	Degradation of DEET and Caffeine under UV/Chlorine and Simulated Sunlight/Chlorine Conditions. <i>Environmental Science &amp; Technology</i> , 2016, 50, 13265-13273.	4.6	192
18	Oxidation of fluoroquinolone antibiotics and structurally related amines by chlorine dioxide: Reaction kinetics, product and pathway evaluation. <i>Water Research</i> , 2010, 44, 5989-5998.	5.3	187

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19	Kinetic Modeling of Oxidation of Antibacterial Agents by Manganese Oxide. <i>Environmental Science &amp; Technology</i> , 2008, 42, 5548-5554.	4.6	182
20	UV/H <sub>2</sub> O <sub>2</sub> and UV/PDS Treatment of Trimethoprim and Sulfamethoxazole in Synthetic Human Urine: Transformation Products and Toxicity. <i>Environmental Science &amp; Technology</i> , 2016, 50, 2573-2583.	4.6	181
21	Occurrence and fate of pharmaceuticals in WWTPs in India and comparison with a similar study in the United States. <i>Chemosphere</i> , 2016, 159, 526-535.	4.2	180
22	Adsorption and oxidation of fluoroquinolone antibacterial agents and structurally related amines with goethite. <i>Chemosphere</i> , 2007, 66, 1502-1512.	4.2	165
23	Kinetics and modeling of sulfonamide antibiotic degradation in wastewater and human urine by UV/H <sub>2</sub> O <sub>2</sub> and UV/PDS. <i>Water Research</i> , 2016, 103, 283-292.	5.3	164
24	Reactions of tetracycline antibiotics with chlorine dioxide and free chlorine. <i>Water Research</i> , 2011, 45, 1838-1846.	5.3	150
25	Hydrophobic sorption behaviors of 17 $\beta$ -Estradiol on environmental microplastics. <i>Chemosphere</i> , 2019, 226, 726-735.	4.2	148
26	Transformation kinetics and pathways of tetracycline antibiotics with manganese oxide. <i>Environmental Pollution</i> , 2011, 159, 1092-1100.	3.7	145
27	Transformation of Tetracycline Antibiotics and Fe(II) and Fe(III) Species Induced by Their Complexation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 145-153.	4.6	145
28	Selective Transformation of $\beta$ -Lactam Antibiotics by Peroxymonosulfate: Reaction Kinetics and Nonradical Mechanism. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1461-1470.	4.6	143
29	Degradation of Amine-Based Water Treatment Polymers during Chloramination as <i>N</i> -Nitrosodimethylamine (NDMA) Precursors. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1360-1366.	4.6	140
30	Aqueous chlorination of the antibacterial agent trimethoprim: Reaction kinetics and pathways. <i>Water Research</i> , 2007, 41, 647-655.	5.3	138
31	Transformation of Tetracyclines Mediated by Mn(II) and Cu(II) Ions in the Presence of Oxygen. <i>Environmental Science &amp; Technology</i> , 2009, 43, 401-407.	4.6	136
32	Oxidation of $\beta$ -lactam antibiotics by peracetic acid: Reaction kinetics, product and pathway evaluation. <i>Water Research</i> , 2017, 123, 153-161.	5.3	133
33	Modeling the Kinetics of UV/Peracetic Acid Advanced Oxidation Process. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7579-7590.	4.6	131
34	Surface adsorption of organoarsenic roxarsone and arsanilic acid on iron and aluminum oxides. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 378-385.	6.5	126
35	Reactivity of Peracetic Acid with Organic Compounds: A Critical Review. <i>ACS ES&amp;T Water</i> , 2021, 1, 15-33.	2.3	124
36	Complexation Enhances Cu(II)-Activated Peroxydisulfate: A Novel Activation Mechanism and Cu(III) Contribution. <i>Environmental Science &amp; Technology</i> , 2019, 53, 11774-11782.	4.6	119

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37	PolyDADMAC and Dimethylamine as Precursors of <i>N</i> -Nitrosodimethylamine during Ozonation: Reaction Kinetics and Mechanisms. <i>Environmental Science &amp; Technology</i> , 2011, 45, 4353-4359.	4.6	116
38	Kinetics and Modeling of Degradation of Ionophore Antibiotics by UV and UV/H <sub>2</sub> O <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2013, 47, 4581-4589.	4.6	111
39	Oxidation of Pharmaceuticals by Ferrate(VI) in Hydrolyzed Urine: Effects of Major Inorganic Constituents. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5272-5281.	4.6	109
40	Oxidation of tetracycline antibiotics induced by Fe(III) ions without light irradiation. <i>Chemosphere</i> , 2015, 119, 1255-1261.	4.2	100
41	Oxidation of Sulfonamide Antibiotics of Six-Membered Heterocyclic Moiety by Ferrate(VI): Kinetics and Mechanistic Insight into SO <sub>2</sub> Extrusion. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2695-2704.	4.6	95
42	Effects of Combined UV and Chlorine Treatment on the Formation of Trichloronitromethane from Amine Precursors. <i>Environmental Science &amp; Technology</i> , 2014, 48, 2697-2705.	4.6	89
43	Peracetic Acid–Ruthenium(III) Oxidation Process for the Degradation of Micropollutants in Water. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9150-9160.	4.6	85
44	Reactivity and Transformation of Antibacterial N-Oxides in the Presence of Manganese Oxide. <i>Environmental Science &amp; Technology</i> , 2005, 39, 593-601.	4.6	84
45	Effect of Metal Ions on Oxidation of Micropollutants by Ferrate(VI): Enhancing Role of Fe <sup>IV</sup> Species. <i>Environmental Science &amp; Technology</i> , 2021, 55, 623-633.	4.6	84
46	Abiotic transformation and ecotoxicity change of sulfonamide antibiotics in environmental and water treatment processes: A critical review. <i>Water Research</i> , 2021, 202, 117463.	5.3	81
47	PPCP Degradation by Chlorine–UV Processes in Ammoniacal Water: New Reaction Insights, Kinetic Modeling, and DBP Formation. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7833-7841.	4.6	80
48	Removal of disinfection byproduct (DBP) precursors in water by two-stage biofiltration treatment. <i>Water Research</i> , 2017, 123, 224-235.	5.3	79
49	Oxidation of amino acids by peracetic acid: Reaction kinetics, pathways and theoretical calculations. <i>Water Research X</i> , 2018, 1, 100002.	2.8	75
50	Rejection and adsorption of trace pharmaceuticals by coating a forward osmosis membrane with TiO <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2015, 279, 904-911.	6.6	67
51	Occurrence and Fate of Nitrosamines and Their Precursors in Municipal Sludge and Anaerobic Digestion Systems. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3087-3093.	4.6	66
52	Unexpected Role of Activated Carbon in Promoting Transformation of Secondary Amines to <i>N</i> -Nitrosamines. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4161-4168.	4.6	66
53	<i>N</i> -nitrosodimethylamine (NDMA) formation potential of amine-based water treatment polymers: Effects of in situ chloramination, breakpoint chlorination, and pre-oxidation. <i>Journal of Hazardous Materials</i> , 2015, 282, 133-140.	6.5	66
54	Ion-exchange selectivity of diclofenac, ibuprofen, ketoprofen, and naproxen in ureolyzed human urine. <i>Water Research</i> , 2015, 68, 510-521.	5.3	64

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55	Removal of pharmaceuticals and personal care products by two-stage biofiltration for drinking water treatment. <i>Science of the Total Environment</i> , 2019, 664, 240-248.	3.9	63
56	Elucidating sulfate radical-mediated disinfection profiles and mechanisms of <i>Escherichia coli</i> and <i>Enterococcus faecalis</i> in municipal wastewater. <i>Water Research</i> , 2020, 173, 115552.	5.3	63
57	Reactive High-Valent Iron Intermediates in Enhancing Treatment of Water by Ferrate. <i>Environmental Science &amp; Technology</i> , 2022, 56, 30-47.	4.6	63
58	Adsorption, desorption, and steady-state removal of 17 $\beta$ -estradiol by nanofiltration membranes. <i>Journal of Membrane Science</i> , 2008, 319, 38-43.	4.1	62
59	Multiple Roles of Cu(II) in Catalyzing Hydrolysis and Oxidation of $\beta$ -Lactam Antibiotics. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12156-12165.	4.6	62
60	Removal of N-Nitrosamines and Their Precursors by Nanofiltration and Reverse Osmosis Membranes. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 788-795.	0.7	60
61	Inactivation of Bacteria by Peracetic Acid Combined with Ultraviolet Irradiation: Mechanism and Optimization. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9652-9661.	4.6	60
62	Enhanced ferrate(VI) oxidation of micropollutants in water by carbonaceous materials: Elucidating surface functionality. <i>Chemical Engineering Journal</i> , 2020, 398, 125607.	6.6	60
63	Rapid Disinfection by Peracetic Acid Combined with UV Irradiation. <i>Environmental Science and Technology Letters</i> , 2018, 5, 400-404.	3.9	58
64	Visible Light-Induced Catalyst-Free Activation of Peroxydisulfate: Pollutant-Dependent Production of Reactive Species. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2626-2636.	4.6	58
65	Effects of octahedral molecular sieve on treatment performance, microbial metabolism, and microbial community in expanded granular sludge bed reactor. <i>Water Research</i> , 2015, 87, 127-136.	5.3	57
66	Delineating Oxidative Processes of Aqueous $C_{60}$ Preparations: Role of THF Peroxide. <i>Environmental Science &amp; Technology</i> , 2009, 43, 108-113.	4.6	56
67	Cu(II)-Catalyzed Transformation of Benzylpenicillin Revisited: The Overlooked Oxidation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4218-4225.	4.6	56
68	Evaluation of disinfection by-product formation potential (DBPFP) during chlorination of two algae species – Blue-green <i>Microcystis aeruginosa</i> and diatom <i>Cyclotella meneghiniana</i> . <i>Science of the Total Environment</i> , 2015, 532, 540-547.	3.9	55
69	Pilot investigation of two-stage biofiltration for removal of natural organic matter in drinking water treatment. <i>Chemosphere</i> , 2017, 166, 311-322.	4.2	55
70	Formation of disinfection byproducts in wash water and lettuce by washing with sodium hypochlorite and peracetic acid sanitizers. <i>Food Chemistry: X</i> , 2019, 1, 100003.	1.8	54
71	The Presence of Pharmaceuticals and Personal Care Products in Swimming Pools. <i>Environmental Science and Technology Letters</i> , 2014, 1, 495-498.	3.9	52
72	Photodegradation of Veterinary Ionophore Antibiotics under UV and Solar Irradiation. <i>Environmental Science &amp; Technology</i> , 2014, 48, 13188-13196.	4.6	52

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73	Mechanisms of antibiotic removal by nanofiltration membranes: Model development and application. <i>Journal of Membrane Science</i> , 2012, 389, 234-244.	4.1	49
74	Oxidation of dithiocarbamates to yield N-nitrosamines by water disinfection oxidants. <i>Water Research</i> , 2013, 47, 725-736.	5.3	49
75	Rapid Hydrolysis of Organophosphorous Esters Induced by Nanostructured, Fluorine-Doped Titania Replicas of Diatom Frustules. <i>Journal of the American Ceramic Society</i> , 2007, 90, 1632-1636.	1.9	47
76	N-Nitrosamines Formation from Secondary Amines by Nitrogen Fixation on the Surface of Activated Carbon. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8368-8376.	4.6	46
77	Detection and quantification of ionophore antibiotics in runoff, soil and poultry litter. <i>Journal of Chromatography A</i> , 2013, 1312, 10-17.	1.8	46
78	Ferrate(VI)-peracetic acid oxidation process: Rapid degradation of pharmaceuticals in water. <i>Chemical Engineering Journal</i> , 2022, 429, 132384.	6.6	45
79	Biodegradation of Veterinary Ionophore Antibiotics in Broiler Litter and Soil Microcosms. <i>Environmental Science &amp; Technology</i> , 2014, 48, 2724-2731.	4.6	43
80	Effects of combined UV and chlorine treatment on chloroform formation from triclosan. <i>Chemosphere</i> , 2016, 150, 715-722.	4.2	41
81	pH effect on the formation of THM and HAA disinfection byproducts and potential control strategies for food processing. <i>Journal of Integrative Agriculture</i> , 2017, 16, 2914-2923.	1.7	41
82	Fabrication and characterization of Fe/Ni nanoparticles supported by polystyrene resin for trichloroethylene degradation. <i>Chemical Engineering Journal</i> , 2016, 283, 730-739.	6.6	40
83	Revelation of ferrate(VI) unimolecular decay under alkaline conditions: Investigation of involvement of Fe(IV) and Fe(V) species. <i>Chemical Engineering Journal</i> , 2020, 388, 124134.	6.6	40
84	Tetracycline inhibition and transformation in microbial fuel cell systems: Performance, transformation intermediates, and microbial community structure. <i>Bioresource Technology</i> , 2021, 322, 124534.	4.8	38
85	Ferrate(VI) Oxidation of Pharmaceuticals in Hydrolyzed Urine: Enhancement by Creatinine and the Role of Fe(IV). <i>ACS ES&amp;T Water</i> , 2021, 1, 969-979.	2.3	38
86	Interfacial Solar Distillation for Freshwater Production: Fate of Volatile and Semivolatile Organic Contaminants. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6248-6256.	4.6	37
87	Transformation of halobenzoquinones with the presence of amino acids in water: Products, pathways and toxicity. <i>Water Research</i> , 2017, 122, 299-307.	5.3	36
88	Immobilization of Heavy Metals by Solidification/Stabilization of Co-Disposed Flue Gas Desulfurization Brine and Coal Fly Ash. <i>Energy &amp; Fuels</i> , 2016, 30, 5042-5051.	2.5	34
89	Unexpected Role of Nitrite in Promoting Transformation of Sulfonamide Antibiotics by Peracetic Acid: Reactive Nitrogen Species Contribution and Harmful Disinfection Byproduct Formation Potential. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1300-1309.	4.6	33
90	Preferential Recovery of Rare-Earth Elements from Coal Fly Ash Using a Recyclable Ionic Liquid. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9209-9220.	4.6	32

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91	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
92	Enhanced Degradation of Micropollutants in a Peracetic Acid-Fe(III) System with Picolinic Acid. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4437-4446.	4.6	30
93	Reaction Kinetics and Transformation of Carbadox and Structurally Related Compounds with Aqueous Chlorine. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7228-7235.	4.6	29
94	Substructure Reactivity Affecting the Manganese Dioxide Oxidation of Cephalosporins. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9188-9195.	4.6	29
95	Revelation of Fe(V)/Fe(IV) Involvement in the Fe(VI)-ABTS System: Kinetic Modeling and Product Analysis. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3976-3987.	4.6	28
96	Silver Nanowire-Modified Filter with Controllable Silver Ion Release for Point-of-Use Disinfection. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7504-7512.	4.6	26
97	Analysis of 40 conventional and emerging disinfection by-products in fresh-cut produce wash water by modified EPA methods. <i>Food Chemistry</i> , 2018, 256, 319-326.	4.2	25
98	Simultaneous and precise recovery of lithium and boron from salt lake brine by capacitive deionization with oxygen vacancy-rich CoP/Co <sub>3</sub> O <sub>4</sub> -graphene aerogel. <i>Chemical Engineering Journal</i> , 2021, 420, 127661.	6.6	24
99	Simultaneous quantification of peracetic acid and hydrogen peroxide in different water matrices using HPLC-UV. <i>Chemosphere</i> , 2020, 257, 127229.	4.2	23
100	A review on treatment of disinfection byproduct precursors by biological activated carbon process. <i>Chinese Chemical Letters</i> , 2022, 33, 4495-4504.	4.8	23
101	Biotransformation of Nitrosamines and Precursor Secondary Amines under Methanogenic Conditions. <i>Environmental Science &amp; Technology</i> , 2011, 45, 8290-8297.	4.6	22
102	Tertiary amines enhance reactions of organic contaminants with aqueous chlorine. <i>Water Research</i> , 2011, 45, 6087-6096.	5.3	22
103	Transformation of the Plant Growth Regulator Daminozide (Alar) and Structurally Related Compounds with Cull Ions: Oxidation versus Hydrolysis. <i>Environmental Science &amp; Technology</i> , 2003, 37, 1829-1837.	4.6	21
104	Removal of heavy metals by aged zero-valent iron from flue-gas-desulfurization brine under high salt and temperature conditions. <i>Journal of Hazardous Materials</i> , 2019, 373, 572-579.	6.5	21
105	Sorption of Se(IV) and Se(VI) to coal fly ash/cement composite: Effect of Ca <sup>2+</sup> and high ionic strength. <i>Chemical Geology</i> , 2017, 464, 76-83.	1.4	20
106	Sources of pharmaceuticals and personal care products in swimming pools. <i>Journal of Water and Health</i> , 2017, 15, 829-833.	1.1	20
107	Capillary-Assisted Fabrication of Thin-Film Nanocomposite Membranes for Improved Solute-Solute Separation. <i>Environmental Science &amp; Technology</i> , 2022, 56, 5849-5859.	4.6	20
108	Acid-Catalyzed Transformation of Ionophore Veterinary Antibiotics: Reaction Mechanism and Product Implications. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6781-6789.	4.6	18

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109	Solidification/stabilization of flue gas desulfurization brine and coal fly ash for heavy metals and chloride immobilization: Effects of S/S conditions and zero-valent-iron pretreatment. <i>Journal of Hazardous Materials</i> , 2020, 384, 121463.	6.5	18
110	Synergistic Catalysis of Dimetilan Hydrolysis by Metal Ions and Organic Ligands. <i>Environmental Science &amp; Technology</i> , 2000, 34, 4117-4122.	4.6	17
111	Significant Effect of Evaporation Process on the Reaction of Sulfamethoxazole with Manganese Oxide. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4856-4864.	4.6	17
112	Transformation, products, and pathways of chlorophenols via electro-enzymatic catalysis: How to control toxic intermediate products. <i>Chemosphere</i> , 2016, 144, 1674-1681.	4.2	16
113	Synergistic activation of peroxydisulfate with magnetite and copper ion at neutral condition. <i>Water Research</i> , 2020, 186, 116371.	5.3	16
114	Analysis of estrogenic hormones in municipal wastewater effluent and surface water using enzyme-linked immunosorbent assay and gas chromatography/tandem mass spectrometry. , 2001, 20, 133.		16
115	Oxidation of Antibiotic Agent Trimethoprim by Chlorine Dioxide: Reaction Kinetics and Pathways. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 360-366.	0.7	14
116	Hydrolysis of Naptalam and Structurally Related Amides: Inhibition by Dissolved Metal Ions and Metal (Hydr)Oxide Surfaces. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 4425-4434.	2.4	13
117	Analytical methods for conventional and emerging disinfection by-products in fresh-cut produce. <i>Food Chemistry</i> , 2019, 291, 30-37.	4.2	13
118	Overlooked Role of Chromium(V) and Chromium(IV) in Chromium Redox Reactions of Environmental Importance. <i>ACS ES&amp;T Water</i> , 2022, 2, 932-942.	2.3	13
119	Potential N-nitrosodimethylamine (NDMA) formation from amine-based water treatment polymers in the reactions with chlorine-based oxidants and nitrosifying agents. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 279-288.	1.0	12
120	Inhibition and Biotransformation Potential of Veterinary Ionophore Antibiotics under Different Redox Conditions. <i>Environmental Science &amp; Technology</i> , 2014, 48, 13146-13154.	4.6	12
121	Anaerobic Dehalogenation by Reduced Aqueous Biochars. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15142-15150.	4.6	11
122	Generation of Iron(IV) in the Oxidation of Amines by Ferrate(VI): Theoretical Insight and Implications in Oxidizing Pharmaceuticals. <i>ACS ES&amp;T Water</i> , 2021, 1, 1932-1940.	2.3	11
123	Flume and single-pass washing systems for fresh-cut produce processing: Disinfection by-products evaluation. <i>Food Control</i> , 2022, 133, 108578.	2.8	10
124	Effect of environmental factors on the oxidative transformation of cephalosporin antibiotics by manganese dioxides. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 692-700.	1.7	9
125	Interaction of peracetic acid with chromium(III): Understanding degradation of coexisting organic pollutants in water. <i>Journal of Hazardous Materials</i> , 2022, 438, 129537.	6.5	9
126	Estimation of environmentally relevant chemical properties of veterinary ionophore antibiotics. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18353-18361.	2.7	8



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127	Occurrence of per- and polyfluoroalkyl substances in water: a review. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 1136-1151.	1.2	6
128	Stacking Time and Aluminum Sulfate Effects on Polyether Ionophores in Broiler Litter. <i>Journal of Environmental Quality</i> , 2015, 44, 1923-1929.	1.0	5
129	Long-term broiler litter amendments can alter the soil's capacity to sorb monensin. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13466-13473.	2.7	5
130	Enhanced formation of trihalomethane disinfection byproducts from halobenzoquinones under combined UV/chlorine conditions. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	5
131	Optimization of Iron Removal in the Recovery of Rare-Earth Elements from Coal Fly Ash Using a Recyclable Ionic Liquid. <i>Environmental Science &amp; Technology</i> , 2022, 56, 5150-5160.	4.6	5
132	Fast coupling and detoxification of aqueous halobenzoquinones by extracellular nucleophiles: The relationship among structures, pathways and toxicity. <i>Chemical Engineering Journal</i> , 2022, 438, 135525.	6.6	5
133	Sequential Application of Peracetic Acid and UV Irradiation (PAA+UV/PAA) for Improved Bacterial Inactivation in Fresh-Cut Produce Wash Water. <i>ACS ES&amp;T Water</i> , 2022, 2, 1247-1253.	2.3	5
134	Alum and Rainfall Effects on Ionophores in Runoff from Surface-Applied Broiler Litter. <i>Journal of Environmental Quality</i> , 2015, 44, 1657-1666.	1.0	4
135	Occurrence and Removal of PPCPs in Urban Wastewater. <i>Proceedings of the Water Environment Federation</i> , 2012, 2012, 3863-3878.	0.0	3
136	Catalytic Impact of Activated Carbon on the Formation of Nitrosamines from Different Amine Precursors. <i>ACS Symposium Series</i> , 2013, , 79-100.	0.5	3
137	Oxidative Transformation of Controlled Substances by Manganese Dioxide. <i>Scientific World Journal</i> , The, 2015, 2015, 1-9.	0.8	2
138	Mass transport release of heavy metal oxyanions from solidified/stabilized co-disposed flue gas desulfurization brine and coal fly ash monoliths. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29945-29957.	2.7	2
139	Biotransformation of Nitrosamines and Secondary Amines in a Mixed Methanogenic Culture. <i>Proceedings of the Water Environment Federation</i> , 2009, 2009, 558-567.	0.0	1
140	Reaction and Transformation of Antibacterial Agents with Aqueous Chlorine under Relevant Water Treatment Conditions. , 2007, , 261-289.		0
141	Quantification of hazardous pollutants in biological systems. , 2018, , 069-122.		0