Changha Lee

List of Publications by Year
in descending order

142 papers	9,631 citations	28272 55 h-index	39667 94 g-index
144 all docs	144 docs citations	144 times ranked	9409 citing authors

#	Article	IF	Citations
1	Bactericidal Effect of Zero-Valent Iron Nanoparticles on Escherichia coli. Environmental Science & Technology, 2008, 42, 4927-4933.	10.0	667
2	Activation of persulfates by carbon nanotubes: Oxidation of organic compounds by nonradical mechanism. Chemical Engineering Journal, 2015, 266, 28-33.	12.7	556
3	Activation of Persulfates by Graphitized Nanodiamonds for Removal of Organic Compounds. Environmental Science & Technology, 2016, 50, 10134-10142.	10.0	546
4	Use of CaO as an activator for producing a price-competitive non-cement structural binder using ground granulated blast furnace slag. Cement and Concrete Research, 2013, 54, 208-214.	11.0	320
5	A Silica-Supported Iron Oxide Catalyst Capable of Activating Hydrogen Peroxide at Neutral pH Values. Environmental Science & Technology, 2009, 43, 8930-8935.	10.0	317
6	Activation of Peroxymonosulfate by Surface-Loaded Noble Metal Nanoparticles for Oxidative Degradation of Organic Compounds. Environmental Science & Technology, 2016, 50, 10187-10197.	10.0	262
7	Oxidation ofN-Nitrosodimethylamine (NDMA) Precursors with Ozone and Chlorine Dioxide:Â Kinetics and Effect on NDMA Formation Potential. Environmental Science & Technology, 2007, 41, 2056-2063.	10.0	223
8	Disintegration of Waste Activated Sludge by Thermally-Activated Persulfates for Enhanced Dewaterability. Environmental Science & Technology, 2016, 50, 7106-7115.	10.0	223
9	Oxidative degradation of N-nitrosodimethylamine by conventional ozonation and the advanced oxidation process ozone/hydrogen peroxide. Water Research, 2007, 41, 581-590.	11.3	216
10	Fate of engineered nanoparticles: Implications in the environment. Coordination Chemistry Reviews, 2015, 287, 64-78.	18.8	171
11	Polyoxometalate-Enhanced Oxidation of Organic Compounds by Nanoparticulate Zero-Valent Iron and Ferrous Ion in the Presence of Oxygen. Environmental Science & Technology, 2008, 42, 4921-4926.	10.0	168
12	Activation of Oxygen and Hydrogen Peroxide by Copper(II) Coupled with Hydroxylamine for Oxidation of Organic Contaminants. Environmental Science & Technology, 2016, 50, 8231-8238.	10.0	166
13	Carbon nanotube-based membranes: Fabrication and application to desalination. Journal of Industrial and Engineering Chemistry, 2012, 18, 1551-1559.	5.8	165
14	Oxidation of organic pollutants by peroxymonosulfate activated with low-temperature-modified nanodiamonds: Understanding the reaction kinetics and mechanism. Applied Catalysis B: Environmental, 2018, 237, 432-441.	20.2	161
15	pH-Dependent reactivity of oxidants formed by iron and copper-catalyzed decomposition of hydrogen peroxide. Chemosphere, 2013, 92, 652-658.	8.2	160
16	Enhanced inactivation of E. coli and MS-2 phage by silver ions combined with UV-A and visible light irradiation. Water Research, 2008, 42, 356-362.	11.3	155
17	Oxidizing Capacity of Periodate Activated with Iron-Based Bimetallic Nanoparticles. Environmental Science & Technology, 2014, 48, 8086-8093.	10.0	133
18	Inactivation of Escherichia coli by Nanoparticulate Zerovalent Iron and Ferrous Ion. Applied and Environmental Microbiology, 2010, 76, 7668-7670.	3.1	125

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19	Enhanced Formation of Oxidants from Bimetallic Nickelâ"Iron Nanoparticles in the Presence of Oxygen. Environmental Science & Technology, 2008, 42, 8528-8533.	10.0	118
20	Degradation of diclofenac and carbamazepine by the copper(II)-catalyzed dark and photo-assisted Fenton-like systems. Chemical Engineering Journal, 2014, 245, 258-264.	12.7	118
21	Inactivation of MS2 Coliphage by Ferrous Ion and Zero-Valent Iron Nanoparticles. Environmental Science & Technology, 2011, 45, 6978-6984.	10.0	114
22	UV Photolytic Mechanism ofN-Nitrosodimethylamine in Water:Â Dual Pathways to Methylamine versus Dimethylamine. Environmental Science & Technology, 2005, 39, 2101-2106.	10.0	110
23	Photosensitized Oxidation of Emerging Organic Pollutants by Tetrakis C₆₀ Aminofullerene-Derivatized Silica under Visible Light Irradiation. Environmental Science & Technology, 2011, 45, 10598-10604.	10.0	107
24	Activation of Periodate by Freezing for the Degradation of Aqueous Organic Pollutants. Environmental Science & Technology, 2018, 52, 5378-5385.	10.0	101
25	Synthesis of grapheneâ€"carbon sphere hybrid aerogel with silver nanoparticles and its catalytic and adsorption applications. Chemical Engineering Journal, 2014, 244, 160-167.	12.7	100
26	Oxidation of suspected N-nitrosodimethylamine (NDMA) precursors by ferrate (VI): Kinetics and effect on the NDMA formation potential of natural waters. Water Research, 2008, 42, 433-441.	11.3	98
27	A novel homogeneous Fenton-like system with Fe(III)â€"phosphotungstate for oxidation of organic compounds at neutral pH values. Journal of Molecular Catalysis A, 2009, 311, 1-6.	4.8	98
28	Visible-light-induced activation of periodate that mimics dye-sensitization of TiO2: Simultaneous decolorization of dyes and production of oxidizing radicals. Applied Catalysis B: Environmental, 2017, 203, 475-484.	20.2	97
29	Electrochemical oxidation of organics in sulfate solutions on boron-doped diamond electrode: Multiple pathways for sulfate radical generation. Applied Catalysis B: Environmental, 2019, 254, 156-165.	20.2	91
30	Kinetics and mechanisms of DMSO (dimethylsulfoxide) degradation by UV/H2O2 process. Water Research, 2004, 38, 2579-2588.	11.3	90
31	Application of photoactivated periodate to the decolorization of reactive dye: reaction parameters and mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 165, 35-41.	3.9	89
32	Spontaneous Generation of H₂O₂ and Hydroxyl Radical through O₂ Reduction on Copper Phosphide under Ambient Aqueous Condition. Environmental Science & Technology, 2019, 53, 2918-2925.	10.0	88
33	UV Photolytic Mechanism ofN-Nitrosodimethylamine in Water:Â Roles of Dissolved Oxygen and Solution pH. Environmental Science & Technology, 2005, 39, 9702-9709.	10.0	86
34	Chloride-Mediated Enhancement in Heat-Induced Activation of Peroxymonosulfate: New Reaction Pathways for Oxidizing Radical Production. Environmental Science & Technology, 2021, 55, 5382-5392.	10.0	86
35	Temperature dependence of hydroxyl radical formation in the hv/Fe3+/H2O2 and Fe3+/H2O2 systems. Chemosphere, 2004, 56, 923-934.	8.2	84
36	Microbial Inactivation by Cupric Ion in Combination with H₂O₂: Role of Reactive Oxidants. Environmental Science & Technology, 2013, 47, 13661-13667.	10.0	81

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37	Chloride-enhanced oxidation of organic contaminants by Cu(II)-catalyzed Fenton-like reaction at neutral pH. Journal of Hazardous Materials, 2018, 344, 1174-1180.	12.4	81
38	Effects of inorganic oxidants on kinetics and mechanisms of WO 3 -mediated photocatalytic degradation. Applied Catalysis B: Environmental, 2015, 162, 515-523.	20.2	79
39	Magnetic mesoporous materials for removal of environmental wastes. Journal of Hazardous Materials, 2011, 192, 1140-1147.	12.4	78
40	Synergistic effects of TiO2 photocatalysis in combination with Fenton-like reactions on oxidation of organic compounds at circumneutral pH. Applied Catalysis B: Environmental, 2012, 115-116, 219-224.	20.2	78
41	Enhanced production of reactive oxidants by Fenton-like reactions in the presence of carbon materials. Chemical Engineering Journal, 2015, 273, 502-508.	12.7	77
42	Magnetite/mesocellular carbon foam as a magnetically recoverable fenton catalyst for removal of phenol and arsenic. Chemosphere, 2012, 89, 1230-1237.	8.2	76
43	Role of Reactive Oxygen Species in Escherichia coli Inactivation by Cupric Ion. Environmental Science & Technology, 2012, 46, 11299-11304.	10.0	72
44	Selective phosphate removal using layered double hydroxide/reduced graphene oxide (LDH/rGO) composite electrode in capacitive deionization. Journal of Colloid and Interface Science, 2020, 564, 1-7.	9.4	68
45	Substrate-immobilized electrospun TiO2 nanofibers for photocatalytic degradation of pharmaceuticals: The effects of pH and dissolved organic matter characteristics. Water Research, 2015, 86, 25-34.	11.3	66
46	Inactivation of MS2 coliphage by Fenton's reagent. Water Research, 2010, 44, 2647-2653.	11.3	65
47	La-modified ZSM-5 zeolite beads for enhancement in removal and recovery of phosphate. Microporous and Mesoporous Materials, 2019, 279, 37-44.	4.4	64
48	Novel activation of peroxymonosulfate by biochar derived from rice husk toward oxidation of organic contaminants in wastewater. Journal of Water Process Engineering, 2020, 33, 101037.	5.6	64
49	High temperature dependence of 2,4-dichlorophenoxyacetic acid degradation by Fe 3+ /H 2 O 2 system. Chemosphere, 2003, 51, 963-971.	8.2	63
50	Photocatalytic applications of paper-like poly(vinylidene fluoride)â€“titanium dioxide hybrids fabricated using a combination of electrospinning and electrospraying. Journal of Hazardous Materials, 2015, 285, 267-276.	12.4	59
51	Influence of various reaction parameters on 2,4-D removal in photo/ferrioxalate/H 2 O 2 process. Chemosphere, 2003, 51, 901-912.	8.2	57
52	Oxidant production from corrosion of nano- and microparticulate zero-valent iron in the presence of oxygen: A comparative study. Journal of Hazardous Materials, 2014, 265, 201-207.	12.4	57
53	Electrochromic titania nanotube arrays for the enhanced photocatalytic degradation of phenol and pharmaceutical compounds. Chemical Engineering Journal, 2014, 249, 285-292.	12.7	57
54	Enhanced Inactivation of Escherichia coli and MS2 Coliphage by Cupric Ion in the Presence of Hydroxylamine: Dual Microbicidal Effects. Environmental Science & Technology, 2015, 49, 14416-14423.	10.0	57

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55	Synthesis and characterization of metal-doped reduced graphene oxide composites, and their application in removal of Escherichia coli, arsenic and 4-nitrophenol. Journal of Industrial and Engineering Chemistry, 2015, 29, 282-288.	5.8	57
56	Highly reusable TiO 2 nanoparticle photocatalyst by direct immobilization on steel mesh via PVDF coating, electrospraying, and thermal fixation. Chemical Engineering Journal, 2016, 306, 344-351.	12.7	57
57	Kinetic enhancement in photocatalytic oxidation of organic compounds by WO3 in the presence of Fenton-like reagent. Applied Catalysis B: Environmental, 2013, 138-139, 311-317.	20.2	56
58	Raspberry derived mesoporous carbon-tubules and fixed-bed adsorption of pharmaceutical drugs. Journal of Industrial and Engineering Chemistry, 2014, 20, 1126-1132.	5.8	56
59	Polyphosphate-enhanced production of reactive oxidants by nanoparticulate zero-valent iron and ferrous ion in the presence of oxygen: Yield and nature of oxidants. Water Research, 2015, 86, 66-73.	11.3	56
60	Adsorption of As(V) by boehmite and alumina of different morphologies prepared under hydrothermal conditions. Chemosphere, 2017, 169, 99-106.	8.2	53
61	Selective fluoride removal in capacitive deionization by reduced graphene oxide/hydroxyapatite composite electrode. Journal of Colloid and Interface Science, 2021, 581, 396-402.	9.4	50
62	Ag-doped graphitic carbon nitride photocatalyst with remarkably enhanced photocatalytic activity towards antibiotic in hospital wastewater under solar light. Journal of Industrial and Engineering Chemistry, 2019, 80, 597-605.	5.8	46
63	Activation of Hydrogen Peroxide by a Titanium Oxide-Supported Iron Catalyst: Evidence for Surface Fe(IV) and Its Selectivity. Environmental Science & Technology, 2020, 54, 15424-15432.	10.0	44
64	Nonradical activation of peroxymonosulfate by hematite for oxidation of organic compounds: A novel mechanism involving high-valent iron species. Chemical Engineering Journal, 2021, 426, 130743.	12.7	42
65	Oxidative treatment of waste activated sludge by different activated persulfate systems for enhancing sludge dewaterability. Sustainable Environment Research, 2016, 26, 177-183.	4.2	41
66	Accelerated redox reaction between chromate and phenolic pollutants during freezing. Journal of Hazardous Materials, 2017, 329, 330-338.	12.4	41
67	Visible light photoelectrocatalytic degradation of methyl orange using anodized nanoporous WO3. Electrochimica Acta, 2014, 115, 140-145.	5.2	40
68	Oxidation of Microcystins by Permanganate: pH and Temperature-Dependent Kinetics, Effect of DOM Characteristics, and Oxidation Mechanism Revisited. Environmental Science & Technology, 2018, 52, 7054-7063.	10.0	39
69	Protocol for development of various plants leaves extract in single-pot synthesis of metal nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 103, 134-142.	3.9	37
70	UV-A induced photochemical formation of N-nitrosodimethylamine (NDMA) in the presence of nitrite and dimethylamine. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 128-134.	3.9	35
71	Determination of quantum yields for the photolysis of Fe(III)-hydroxo complexes in aqueous solution using a novel kinetic method. Chemosphere, 2004, 57, 1449-1458.	8.2	34
72	Oxidation of microcystin-LR by ferrous-tetrapolyphosphate in the presence of oxygen and hydrogen peroxide. Water Research, 2017, 114, 277-285.	11.3	34

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73	Combination of cupric ion with hydroxylamine and hydrogen peroxide for the control of bacterial biofilms on RO membranes. Water Research, 2017, 110, 83-90.	11.3	34
74	Persulfate enhanced photoelectrochemical oxidation of organic pollutants using self-doped TiO2nanotube arrays: Effect of operating parameters and water matrix. Water Research, 2021, 191, 116803.	11.3	34
75	Oxidative degradation of dimethylsulfoxide by locally concentrated hydroxyl radicals in streamer corona discharge process. Chemosphere, 2006, 65, 1163-1170.	8.2	33
76	UV direct photolysis of 2,2â€²-azino-bis(3-ethylbenzothiazoline-6-sulfonate) (ABTS) in aqueous solution: Kinetics and mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 197, 232-238.	3.9	33
77	Short Review of Multichannel Membrane Capacitive Deionization: Principle, Current Status, and Future Prospect. Applied Sciences (Switzerland), 2020, 10, 683.	2.5	33
78	Catalytic persulfate activation for oxidation of organic pollutants: A critical review on mechanisms and controversies. Journal of Environmental Chemical Engineering, 2022, 10, 107654.	6.7	32
79	Differential Microbicidal Effects of Bimetallic Ironâ€“Copper Nanoparticles on Escherichia coli and MS2 Coliphage. Environmental Science & Technology, 2019, 53, 2679-2687.	10.0	31
80	Modeling of ozone decomposition, oxidant exposures, and the abatement of micropollutants during ozonation processes. Water Research, 2020, 169, 115230.	11.3	31
81	Oxidation of organic contaminants in water by iron-induced oxygen activation: A short review. Environmental Engineering Research, 2015, 20, 205-211.	2.5	31
82	Inactivation of MS2 bacteriophage by streamer corona discharge in water. Chemosphere, 2011, 82, 1135-1140.	8.2	30
83	Enhancement in Desalination Performance of Battery Electrodes via Improved Mass Transport Using a Multichannel Flow System. ACS Applied Materials & Interfaces, 2019, 11, 36580-36588.	8.0	30
84	Distinct adsorption enhancement of bi-component metals (cobalt and nickel) by Fireweed-derived carbon compared to activated carbon: Incorporation of surface group distributions for increased efficiency. Chemical Engineering Journal, 2015, 281, 713-723.	12.7	29
85	Nickelâ€“Nickel oxide nanocomposite as a magnetically separable persulfate activator for the nonradical oxidation of organic contaminants. Journal of Hazardous Materials, 2020, 388, 121767.	12.4	29
86	Performance analysis of the multi-channel membrane capacitive deionization with porous carbon electrode stacks. Desalination, 2020, 479, 114315.	8.2	29
87	Inactivation of bacterial planktonic cells and biofilms by Cu(II)-activated peroxymonosulfate in the presence of chloride ion. Chemical Engineering Journal, 2020, 380, 122468.	12.7	28
88	Visible light-photosensitized oxidation of organic pollutants using amorphous peroxo-titania. Applied Catalysis B: Environmental, 2018, 225, 487-495.	20.2	27
89	Visible light-induced activation of peroxymonosulfate in the presence of ferric ions for the degradation of organic pollutants. Separation and Purification Technology, 2020, 240, 116620.	7.9	27
90	Electrochemical Peroxodisulfate (PDS) Generation on a Self-Doped TiO₂ Nanotube Array Electrode. Industrial & Engineering Chemistry Research, 2018, 57, 11465-11471.	3.7	23

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91	Prediction of Oxidant Exposures and Micropollutant Abatement during Ozonation Using a Machine Learning Method. Environmental Science & Technology, 2021, 55, 709-718.	10.0	21
92	Decolorization of reactive dye using a photo-ferrioxalate system with brick grain-supported iron oxide. Journal of Hazardous Materials, 2011, 188, 357-362.	12.4	20
93	Single-step green synthesis of imine-functionalized carbon spheres and their application in uranium removal from aqueous solution. RSC Advances, 2014, 4, 46114-46121.	3.6	20
94	Nitrite ion mitigates the formation of N-nitrosodimethylamine (NDMA) during chloramination of ranitidine. Science of the Total Environment, 2018, 633, 352-359.	8.0	19
95	Versatile Yolkâ€“Shell Encapsulation: Catalytic, Photothermal, and Sensing Demonstration. Small, 2020, 16, e2002311.	10.0	19
96	Effect of Fe3+ as an electron-transfer mediator on WO3-induced activation of peroxymonosulfate under visible light. Chemical Engineering Journal, 2021, 411, 128529.	12.7	19
97	Degradation of aqueous organic pollutants using an Fe2O3/WO3 composite photocatalyst as a magnetically separable peroxymonosulfate activator. Separation and Purification Technology, 2021, 267, 118610.	7.9	19
98	Response to Comment on â€œActivation of Persulfate by Graphitized Nanodiamonds for Removal of Organic Compoundsâ€• Environmental Science & Technology, 2017, 51, 5353-5354.	10.0	18
99	Effect of Hydrophilicity of Activated Carbon Electrodes on Desalination Performance in Membrane Capacitive Deionization. Applied Sciences (Switzerland), 2019, 9, 5055.	2.5	18
100	Nafion-coated Prussian blue electrodes to enhance the stability and efficiency of battery desalination system. Desalination, 2021, 500, 114778.	8.2	18
101	Occurrence of unknown reactive species in UV/H2O2 system leading to false interpretation of hydroxyl radical probe reactions. Water Research, 2021, 201, 117338.	11.3	18
102	Ozonation of Microcystins: Kinetics and Toxicity Decrease. Environmental Science & Technology, 2019, 53, 6427-6435.	10.0	17
103	Freezing-enhanced non-radical oxidation of organic pollutants by peroxymonosulfate. Chemical Engineering Journal, 2020, 388, 124226.	12.7	17
104	Binder-free immobilization of TiO2 photocatalyst on steel mesh via electrospraying and hot-pressing and its application for organic micropollutant removal and disinfection. Journal of Hazardous Materials, 2018, 360, 62-70.	12.4	16
105	Efficient bicarbonate removal and recovery of ammonium bicarbonate as CO2 utilization using flow-electrode capacitive deionization. Chemical Engineering Journal, 2022, 431, 134233.	12.7	16
106	Comment on â€œOxidation of Sulfoxides and Arsenic(III) in Corrosion of Nanoscale Zero Valent Iron by Oxygen: Evidence against Ferryl Ions (Fe(IV)) as Active Intermediates in Fenton Reactionâ€• Environmental Science & Technology, 2011, 45, 3177-3178.	10.0	15
107	Reaction of aqueous iodide at high concentration with O3 and O3/H2O2 in the presence of natural organic matter: implications for drinking water treatment. Environmental Chemistry Letters, 2015, 13, 453-458.	16.2	15
108	Electrochemical ozone production in inert supporting electrolytes on a boron-doped diamond electrode with a solid polymer electrolyte electrolyzer. Desalination and Water Treatment, 2016, 57, 10152-10158.	1.0	15

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109	Control of the red tide dinoflagellate Cochlodinium polykrikoides by ozone in seawater. Water Research, 2017, 109, 237-244.	11.3	15
110	Novel Reuse Strategy in Flow-Electrode Capacitive Deionization with Switch Cycle Operation To Enhance Desalination Performance. Environmental Science and Technology Letters, 2019, 6, 739-744.	8.7	15
111	Synchronized methylene blue removal using Fenton-like reaction induced by phosphorous oxoanion and submerged plasma irradiation process. Journal of Environmental Management, 2018, 206, 77-84.	7.8	14
112	Practical scale evaluation of a photocatalytic air purifier equipped with a Titania-zeolite composite bead filter for VOC removal and viral inactivation. Environmental Research, 2022, 204, 112036.	7.5	14
113	Bicarbonate-enhanced generation of hydroxyl radical by visible light-induced photocatalysis of H2O2 over WO3: Alteration of electron transfer mechanism. Chemical Engineering Journal, 2022, 432, 134401.	12.7	14
114	Degradation of ranitidine and changes in N-nitrosodimethylamine formation potential by advanced oxidation processes: Role of oxidant speciation and water matrix. Water Research, 2021, 203, 117495.	11.3	13
115	Hand-ground fullerene-nanodiamond composite for photosensitized water treatment and photodynamic cancer therapy. Journal of Colloid and Interface Science, 2021, 587, 101-109.	9.4	12
116	Synergistic effects between the S-TiO2 photocatalyst and the Fenton-like reagent: Enhanced contaminant oxidation under visible light illumination. Journal of Environmental Chemical Engineering, 2021, 9, 104598.	6.7	11
117	Fabrication of Ag-doped ZnO/PAN composite nanofibers by electrospinning: Photocatalytic and antiviral activities. Korean Journal of Chemical Engineering, 2022, 39, 1632-1640.	2.7	11
118	Distinctive green recovery of silver species from modified cellulose: Mechanism and spectroscopic studies. International Journal of Biological Macromolecules, 2015, 76, 109-118.	7.5	10
119	Nanoparticulate zero-valent iron coupled with polyphosphate: the sequential redox treatment of organic compounds and its stability and bacterial toxicity. Environmental Science: Nano, 2017, 4, 396-405.	4.3	10
120	Inactivation of biofilms on RO membranes by copper ion in combination with norspermidine. Desalination, 2017, 424, 95-101.	8.2	10
121	Cupric ion in combination with hydrogen peroxide and hydroxylamine applied to inactivation of different microorganisms. Journal of Hazardous Materials, 2020, 400, 123305.	12.4	10
122	Ir0.11Fe0.25O0.64 as a highly efficient electrode for electrochlorination in dilute chloride solutions. Journal of Industrial and Engineering Chemistry, 2021, 102, 155-162.	5.8	9
123	Improvement in the desalination performance of membrane capacitive deionization with a bipolar electrode via an energy recovery process. Chemical Engineering Journal, 2022, 439, 135603.	12.7	9
124	Long-term and stable antimicrobial properties of immobilized Ni/TiO2 nanocomposites against Escherichia coli, Legionella thermalis, and MS2 bacteriophage. Environmental Research, 2021, 194, 110657.	7.5	8
125	Yolkâ€“shell-type gold nanosphere-encapsulated mesoporous silica for catalytic oxidation of organic pollutants in the presence of persulfate. Environmental Science: Nano, 2022, 9, 2510-2520.	4.3	7
126	Reduction of chlorendic acid by zero-valent iron: Kinetics, products, and pathways. Journal of Hazardous Materials, 2020, 384, 121269.	12.4	6

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127	New method for electrochemical ion separation (ElONS) for chloride/nitrate separation using Ag/AgCl electrodes with a cation exchange membrane. Journal of Environmental Chemical Engineering, 2021, 9, 106876.	6.7	6
128	Enhanced Oxidation of Phenol by Copper-catalyzed Fenton-like Reaction in the Presence of Bicarbonate. Journal of Advanced Oxidation Technologies, 2018, 21, 54-66.	0.5	5
129	Visible-light photocatalysis over MIL-53(Fe) for VOC removal and viral inactivation in air. Environmental Engineering Research, 2022, 27, 210209-0.	2.5	5
130	High chlorine evolution performance of electrochemically reduced TiO₂ nanotube array coated with a thin RuO₂ layer by the self-synthetic method. RSC Advances, 2021, 11, 12107-12116.	3.6	4
131	Inactivation of Escherichia coli and MS2 coliphage via singlet oxygen generated by homogeneous photosensitization. Korean Journal of Chemical Engineering, 2019, 36, 1785-1790.	2.7	3
132	Response to Comment on â€œPolyoxometalate-Enhanced Oxidation of Organic Compounds by Nanoparticulate Zero-Valent Iron and Ferrous Ion in the Presence of Oxygenâ€• Environmental Science & Technology, 2008, 42, 8169-8169.	10.0	2
133	Effects of advanced treatments using granular activated carbon adsorption with ozonation and ultrafiltration on chlorine decay. Desalination and Water Treatment, 2014, 52, 976-984.	1.0	2
134	Accelerated oxidation of microcystin-LR by Fe(II)-tetrapolyphosphate/oxygen in the presence of magnesium and calcium ions. Water Research, 2020, 184, 116172.	11.3	2
135	Science Walden: Exploring the Convergence of Environmental Technologies with Design and Art. Sustainability, 2017, 9, 35.	3.2	1
136	Comment on â€œInvestigation of the Ironâ€“Peroxo Complex in the Fenton Reaction: Kinetic Indication, Decay Kinetics, and Hydroxyl Radical Yieldsâ€• Environmental Science & Technology, 2018, 52, 4481-4482.	10.0	1
137	Comment on â€œVisible-light-driven, hierarchically heterostructured, and flexible silver/bismuth oxyiodide/titania nanofibrous membranes for highly efficient water disinfectionâ€•by Song et al.. Journal of Colloid and Interface Science, 2020, 566, 513-514.	9.4	1
138	The Photo-Fenton System. Springer Handbooks, 2022, , 1719-1734.	0.6	1
139	Reply to comment on â€œCombination of cupric ion with hydroxylamine and hydrogen peroxide for the control of bacterial biofilms on RO membranes by Hye-Jin Lee, Hyung-Eun Kim, Changha Lee [Water Research 110, 2017, 83â€“90]â€• Water Research, 2017, 118, 291-292.	11.3	0
140	Use of High-Valent Metal Species Produced by the Fenton (-like) Reactions in Water Treatment. Advances in Science, Technology and Innovation, 2020, , 89-89.	0.4	0
141	Effects of chloride and other anions on electrochemical chlorine evolution over self-doped TiO2 nanotube array. Korean Journal of Chemical Engineering, 2021, 38, 756-762.	2.7	0
142	Practical selection of microorganisms indicating the stability of pathogenic removal in water treatment plants. Water Science and Technology: Water Supply, 2002, 2, 373-380.	2.1	0