

# Changha Lee

## List of Publications by Year in descending order

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142  
papers

9,631  
citations

28272  
55  
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39667  
94  
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144  
all docs

144  
docs citations

144  
times ranked

9409  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Bicarbonate-enhanced generation of hydroxyl radical by visible light-induced photocatalysis of H <sub>2</sub> O <sub>2</sub> over WO <sub>3</sub> : Alteration of electron transfer mechanism. Chemical Engineering Journal, 2022, 432, 134401.	12.7	14
4	Efficient bicarbonate removal and recovery of ammonium bicarbonate as CO <sub>2</sub> utilization using flow-electrode capacitive deionization. Chemical Engineering Journal, 2022, 431, 134233.	12.7	16
5	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
6	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
7	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
8	Yolk-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
9	The Photo-Fenton System. Springer Handbooks, 2022, , 1719-1734.	0.6	1
10	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
11	Nafion-coated Prussian blue electrodes to enhance the stability and efficiency of battery desalination system. Desalination, 2021, 500, 114778.	8.2	18
12	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
13	Prediction of Oxidant Exposures and Micropollutant Abatement during Ozonation Using a Machine Learning Method. Environmental Science & Technology, 2021, 55, 709-718.	10.0	21
14	Synergistic effects between the S-TiO <sub>2</sub> photocatalyst and the Fenton-like reagent: Enhanced contaminant oxidation under visible light illumination. Journal of Environmental Chemical Engineering, 2021, 9, 104598.	6.7	11
15	Long-term and stable antimicrobial properties of immobilized Ni/TiO <sub>2</sub> nanocomposites against Escherichia coli, Legionella thermalis, and MS2 bacteriophage. Environmental Research, 2021, 194, 110657.	7.5	8
16	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
17	Effects of chloride and other anions on electrochemical chlorine evolution over self-doped TiO <sub>2</sub> nanotube array. Korean Journal of Chemical Engineering, 2021, 38, 756-762.	2.7	0
18	Persulfate enhanced photoelectrochemical oxidation of organic pollutants using self-doped TiO <sub>2</sub> nanotube arrays: Effect of operating parameters and water matrix. Water Research, 2021, 191, 116803.	11.3	34

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19	Effect of Fe <sup>3+</sup> as an electron-transfer mediator on WO <sub>3</sub> -induced activation of peroxymonosulfate under visible light. <i>Chemical Engineering Journal</i> , 2021, 411, 128529.	12.7	19
20	Degradation of aqueous organic pollutants using an Fe <sub>2</sub> O <sub>3</sub> /WO <sub>3</sub> composite photocatalyst as a magnetically separable peroxymonosulfate activator. <i>Separation and Purification Technology</i> , 2021, 267, 118610.	7.9	19
21	Occurrence of unknown reactive species in UV/H <sub>2</sub> O <sub>2</sub> system leading to false interpretation of hydroxyl radical probe reactions. <i>Water Research</i> , 2021, 201, 117338.	11.3	18
22	Degradation of ranitidine and changes in N-nitrosodimethylamine formation potential by advanced oxidation processes: Role of oxidant speciation and water matrix. <i>Water Research</i> , 2021, 203, 117495.	11.3	13
23	Ir <sub>0.11</sub> Fe <sub>0.25</sub> O <sub>0.64</sub> as a highly efficient electrode for electrochlorination in dilute chloride solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 102, 155-162.	5.8	9
24	Nonradical activation of peroxymonosulfate by hematite for oxidation of organic compounds: A novel mechanism involving high-valent iron species. <i>Chemical Engineering Journal</i> , 2021, 426, 130743.	12.7	42
25	High chlorine evolution performance of electrochemically reduced TiO <sub>2</sub> nanotube array coated with a thin RuO <sub>2</sub> layer by the self-synthetic method. <i>RSC Advances</i> , 2021, 11, 12107-12116.	3.6	4
26	New method for electrochemical ion separation (EIONS) for chloride/nitrate separation using Ag/AgCl electrodes with a cation exchange membrane. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106876.	6.7	6
27	Use of High-Valent Metal Species Produced by the Fenton (-like) Reactions in Water Treatment. <i>Advances in Science, Technology and Innovation</i> , 2020, , 89-89.	0.4	0
28	Inactivation of bacterial planktonic cells and biofilms by Cu(II)-activated peroxymonosulfate in the presence of chloride ion. <i>Chemical Engineering Journal</i> , 2020, 380, 122468.	12.7	28
29	Novel activation of peroxymonosulfate by biochar derived from rice husk toward oxidation of organic contaminants in wastewater. <i>Journal of Water Process Engineering</i> , 2020, 33, 101037.	5.6	64
30	Modeling of ozone decomposition, oxidant exposures, and the abatement of micropollutants during ozonation processes. <i>Water Research</i> , 2020, 169, 115230.	11.3	31
31	Reduction of chlorendic acid by zero-valent iron: Kinetics, products, and pathways. <i>Journal of Hazardous Materials</i> , 2020, 384, 121269.	12.4	6
32	Selective phosphate removal using layered double hydroxide/reduced graphene oxide (LDH/rGO) composite electrode in capacitive deionization. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 1-7.	9.4	68
33	Comment on "Visible-light-driven, hierarchically heterostructured, and flexible silver/bismuth oxyiodide/titania nanofibrous membranes for highly efficient water disinfection" by Song et al. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 513-514.	9.4	1
34	Nickel–Nickel oxide nanocomposite as a magnetically separable persulfate activator for the nonradical oxidation of organic contaminants. <i>Journal of Hazardous Materials</i> , 2020, 388, 121767.	12.4	29
35	Activation of Hydrogen Peroxide by a Titanium Oxide-Supported Iron Catalyst: Evidence for Surface Fe(IV) and Its Selectivity. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15424-15432.	10.0	44
36	Cupric ion in combination with hydrogen peroxide and hydroxylamine applied to inactivation of different microorganisms. <i>Journal of Hazardous Materials</i> , 2020, 400, 123305.	12.4	10

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37	Versatile Yolka®Shell Encapsulation: Catalytic, Photothermal, and Sensing Demonstration. <i>Small</i> , 2020, 16, e2002311.	10.0	19
38	Accelerated oxidation of microcystin-LR by Fe(II)-tetrapolyphosphate/oxygen in the presence of magnesium and calcium ions. <i>Water Research</i> , 2020, 184, 116172.	11.3	2
39	Freezing-enhanced non-radical oxidation of organic pollutants by peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020, 388, 124226.	12.7	17
40	Performance analysis of the multi-channel membrane capacitive deionization with porous carbon electrode stacks. <i>Desalination</i> , 2020, 479, 114315.	8.2	29
41	Visible light-induced activation of peroxymonosulfate in the presence of ferric ions for the degradation of organic pollutants. <i>Separation and Purification Technology</i> , 2020, 240, 116620.	7.9	27
42	Short Review of Multichannel Membrane Capacitive Deionization: Principle, Current Status, and Future Prospect. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 683.	2.5	33
43	Inactivation of <i>Escherichia coli</i> and MS2 coliphage via singlet oxygen generated by homogeneous photosensitization. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1785-1790.	2.7	3
44	Novel Reuse Strategy in Flow-Electrode Capacitive Deionization with Switch Cycle Operation To Enhance Desalination Performance. <i>Environmental Science and Technology Letters</i> , 2019, 6, 739-744.	8.7	15
45	Enhancement in Desalination Performance of Battery Electrodes via Improved Mass Transport Using a Multichannel Flow System. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36580-36588.	8.0	30
46	Ag-doped graphitic carbon nitride photocatalyst with remarkably enhanced photocatalytic activity towards antibiotic in hospital wastewater under solar light. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 597-605.	5.8	46
47	Differential Microbicidal Effects of Bimetallic Iron-Copper Nanoparticles on <i>Escherichia coli</i> and MS2 Coliphage. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2679-2687.	10.0	31
48	Ozonation of Microcystins: Kinetics and Toxicity Decrease. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6427-6435.	10.0	17
49	Electrochemical oxidation of organics in sulfate solutions on boron-doped diamond electrode: Multiple pathways for sulfate radical generation. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 156-165.	20.2	91
50	Spontaneous Generation of H <sub>2</sub> O <sub>2</sub> and Hydroxyl Radical through O <sub>2</sub> Reduction on Copper Phosphide under Ambient Aqueous Condition. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2918-2925.	10.0	88
51	Effect of Hydrophilicity of Activated Carbon Electrodes on Desalination Performance in Membrane Capacitive Deionization. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5055.	2.5	18
52	La-modified ZSM-5 zeolite beads for enhancement in removal and recovery of phosphate. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 37-44.	4.4	64
53	Activation of Periodate by Freezing for the Degradation of Aqueous Organic Pollutants. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5378-5385.	10.0	101
54	Oxidation of organic pollutants by peroxymonosulfate activated with low-temperature-modified nanodiamonds: Understanding the reaction kinetics and mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 432-441.	20.2	161

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55	Nitrite ion mitigates the formation of N-nitrosodimethylamine (NDMA) during chloramination of ranitidine. <i>Science of the Total Environment</i> , 2018, 633, 352-359.	8.0	19
56	Comment on “Investigation of the Iron–Peroxo Complex in the Fenton Reaction: Kinetic Indication, Decay Kinetics, and Hydroxyl Radical Yields” Environmental Science & Technology, 2018, 52, 4481-4482.	10.0	1
57	Synchronized methylene blue removal using Fenton-like reaction induced by phosphorous oxoanion and submerged plasma irradiation process. <i>Journal of Environmental Management</i> , 2018, 206, 77-84.	7.8	14
58	Chloride-enhanced oxidation of organic contaminants by Cu(II)-catalyzed Fenton-like reaction at neutral pH. <i>Journal of Hazardous Materials</i> , 2018, 344, 1174-1180.	12.4	81
59	Visible light-photosensitized oxidation of organic pollutants using amorphous peroxo-titania. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 487-495.	20.2	27
60	Oxidation of Microcystins by Permanganate: pH and Temperature-Dependent Kinetics, Effect of DOM Characteristics, and Oxidation Mechanism Revisited. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7054-7063.	10.0	39
61	Electrochemical Peroxodisulfate (PDS) Generation on a Self-Doped TiO <sub>2</sub> Nanotube Array Electrode. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 11465-11471.	3.7	23
62	Binder-free immobilization of TiO <sub>2</sub> photocatalyst on steel mesh via electrospraying and hot-pressing and its application for organic micropollutant removal and disinfection. <i>Journal of Hazardous Materials</i> , 2018, 360, 62-70.	12.4	16
63	Enhanced Oxidation of Phenol by Copper-catalyzed Fenton-like Reaction in the Presence of Bicarbonate. <i>Journal of Advanced Oxidation Technologies</i> , 2018, 21, 54-66.	0.5	5
64	Accelerated redox reaction between chromate and phenolic pollutants during freezing. <i>Journal of Hazardous Materials</i> , 2017, 329, 330-338.	12.4	41
65	Oxidation of microcystin-LR by ferrous-tetrapolyphosphate in the presence of oxygen and hydrogen peroxide. <i>Water Research</i> , 2017, 114, 277-285.	11.3	34
66	Reply to comment on “Combination 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, 83–90]” Water Research, 2017, 118, 291-292.	11.3	0
67	Response to Comment on “Activation of Persulfate by Graphitized Nanodiamonds for Removal of Organic Compounds” Environmental Science & Technology, 2017, 51, 5353-5354.	10.0	18
68	Nanoparticulate zero-valent iron coupled with polyphosphate: the sequential redox treatment of organic compounds and its stability and bacterial toxicity. <i>Environmental Science: Nano</i> , 2017, 4, 396-405.	4.3	10
69	Combination of cupric ion with hydroxylamine and hydrogen peroxide for the control of bacterial biofilms on RO membranes. <i>Water Research</i> , 2017, 110, 83-90.	11.3	34
70	Inactivation of biofilms on RO membranes by copper ion in combination with norspermidine. <i>Desalination</i> , 2017, 424, 95-101.	8.2	10
71	Adsorption of As(V) by boehmite and alumina of different morphologies prepared under hydrothermal conditions. <i>Chemosphere</i> , 2017, 169, 99-106.	8.2	53
72	Visible-light-induced activation of periodate that mimics dye-sensitization of TiO <sub>2</sub> : Simultaneous decolorization of dyes and production of oxidizing radicals. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 475-484.	20.2	97

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73	Control of the red tide dinoflagellate <i>Cochlodinium polykrikoides</i> by ozone in seawater. <i>Water Research</i> , 2017, 109, 237-244.	11.3	15
74	Science Walden: Exploring the Convergence of Environmental Technologies with Design and Art. <i>Sustainability</i> , 2017, 9, 35.	3.2	1
75	Activation of Oxygen and Hydrogen Peroxide by Copper(II) Coupled with Hydroxylamine for Oxidation of Organic Contaminants. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8231-8238.	10.0	166
76	Activation of Persulfates by Graphitized Nanodiamonds for Removal of Organic Compounds. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10134-10142.	10.0	546
77	Highly reusable TiO <sub>2</sub> nanoparticle photocatalyst by direct immobilization on steel mesh via PVDF coating, electrospraying, and thermal fixation. <i>Chemical Engineering Journal</i> , 2016, 306, 344-351.	12.7	57
78	Activation of Peroxymonosulfate by Surface-Loaded Noble Metal Nanoparticles for Oxidative Degradation of Organic Compounds. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10187-10197.	10.0	262
79	Disintegration of Waste Activated Sludge by Thermally-Activated Persulfates for Enhanced Dewaterability. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7106-7115.	10.0	223
80	Oxidative treatment of waste activated sludge by different activated persulfate systems for enhancing sludge dewaterability. <i>Sustainable Environment Research</i> , 2016, 26, 177-183.	4.2	41
81	Electrochemical ozone production in inert supporting electrolytes on a boron-doped diamond electrode with a solid polymer electrolyte electrolyzer. <i>Desalination and Water Treatment</i> , 2016, 57, 10152-10158.	1.0	15
82	Enhanced Inactivation of <i>Escherichia coli</i> and MS2 Coliphage by Cupric Ion in the Presence of Hydroxylamine: Dual Microbicidal Effects. <i>Environmental Science &amp; Technology</i> , 2015, 49, 14416-14423.	10.0	57
83	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.	16.2	15
84	Activation of persulfates by carbon nanotubes: Oxidation of organic compounds by nonradical mechanism. <i>Chemical Engineering Journal</i> , 2015, 266, 28-33.	12.7	556
85	Fate of engineered nanoparticles: Implications in the environment. <i>Coordination Chemistry Reviews</i> , 2015, 287, 64-78.	18.8	171
86	Distinctive green recovery of silver species from modified cellulose: Mechanism and spectroscopic studies. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 109-118.	7.5	10
87	Polyphosphate-enhanced production of reactive oxidants by nanoparticulate zero-valent iron and ferrous ion in the presence of oxygen: Yield and nature of oxidants. <i>Water Research</i> , 2015, 86, 66-73.	11.3	56
88	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. <i>Chemical Engineering Journal</i> , 2015, 281, 713-723.	12.7	29
89	Substrate-immobilized electrospun TiO <sub>2</sub> nanofibers for photocatalytic degradation of pharmaceuticals: The effects of pH and dissolved organic matter characteristics. <i>Water Research</i> , 2015, 86, 25-34.	11.3	66
90	Synthesis and characterization of metal-doped reduced graphene oxide composites, and their application in removal of <i>Escherichia coli</i> , arsenic and 4-nitrophenol. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 282-288.	5.8	57

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91	Enhanced production of reactive oxidants by Fenton-like reactions in the presence of carbon materials. <i>Chemical Engineering Journal</i> , 2015, 273, 502-508.	12.7	77
92	Photocatalytic applications of paper-like poly(vinylidene fluoride)/titanium dioxide hybrids fabricated using a combination of electrospinning and electrospraying. <i>Journal of Hazardous Materials</i> , 2015, 285, 267-276.	12.4	59
93	Effects of inorganic oxidants on kinetics and mechanisms of WO <sub>3</sub> -mediated photocatalytic degradation. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 515-523.	20.2	79
94	Oxidation of organic contaminants in water by iron-induced oxygen activation: A short review. <i>Environmental Engineering Research</i> , 2015, 20, 205-211.	2.5	31
95	Effects of advanced treatments using granular activated carbon adsorption with ozonation and ultrafiltration on chlorine decay. <i>Desalination and Water Treatment</i> , 2014, 52, 976-984.	1.0	2
96	Raspberry derived mesoporous carbon-tubules and fixed-bed adsorption of pharmaceutical drugs. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1126-1132.	5.8	56
97	Oxidant production from corrosion of nano- and microparticulate zero-valent iron in the presence of oxygen: A comparative study. <i>Journal of Hazardous Materials</i> , 2014, 265, 201-207.	12.4	57
98	Degradation of diclofenac and carbamazepine by the copper(II)-catalyzed dark and photo-assisted Fenton-like systems. <i>Chemical Engineering Journal</i> , 2014, 245, 258-264.	12.7	118
99	Synthesis of graphene/carbon sphere hybrid aerogel with silver nanoparticles and its catalytic and adsorption applications. <i>Chemical Engineering Journal</i> , 2014, 244, 160-167.	12.7	100
100	Electrochromic titania nanotube arrays for the enhanced photocatalytic degradation of phenol and pharmaceutical compounds. <i>Chemical Engineering Journal</i> , 2014, 249, 285-292.	12.7	57
101	Single-step green synthesis of imine-functionalized carbon spheres and their application in uranium removal from aqueous solution. <i>RSC Advances</i> , 2014, 4, 46114-46121.	3.6	20
102	Oxidizing Capacity of Periodate Activated with Iron-Based Bimetallic Nanoparticles. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8086-8093.	10.0	133
103	Visible light photoelectrocatalytic degradation of methyl orange using anodized nanoporous WO <sub>3</sub> . <i>Electrochimica Acta</i> , 2014, 115, 140-145.	5.2	40
104	Kinetic enhancement in photocatalytic oxidation of organic compounds by WO <sub>3</sub> in the presence of Fenton-like reagent. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 311-317.	20.2	56
105	Use of CaO as an activator for producing a price-competitive non-cement structural binder using ground granulated blast furnace slag. <i>Cement and Concrete Research</i> , 2013, 54, 208-214.	11.0	320
106	Protocol for development of various plants leaves extract in single-pot synthesis of metal nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 134-142.	3.9	37
107	pH-Dependent reactivity of oxidants formed by iron and copper-catalyzed decomposition of hydrogen peroxide. <i>Chemosphere</i> , 2013, 92, 652-658.	8.2	160
108	Microbial Inactivation by Cupric Ion in Combination with H <sub>2</sub> O <sub>2</sub> : Role of Reactive Oxidants. <i>Environmental Science &amp; Technology</i> , 2013, 47, 13661-13667.	10.0	81



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109	Magnetite/mesocellular carbon foam as a magnetically recoverable fenton catalyst for removal of phenol and arsenic. Chemosphere, 2012, 89, 1230-1237.	8.2	76
110	Role of Reactive Oxygen Species in <i>Escherichia coli</i> Inactivation by Cupric Ion. Environmental Science & Technology, 2012, 46, 11299-11304.	10.0	72
111	Carbon nanotube-based membranes: Fabrication and application to desalination. Journal of Industrial and Engineering Chemistry, 2012, 18, 1551-1559.	5.8	165
112	Synergistic effects of TiO <sub>2</sub> 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
113	Photosensitized Oxidation of Emerging Organic Pollutants by Tetrakis C <sub>60</sub> Aminofullerene-Derivatized Silica under Visible Light Irradiation. Environmental Science & Technology, 2011, 45, 10598-10604.	10.0	107
114	Inactivation of MS2 Coliphage by Ferrous Ion and Zero-Valent Iron Nanoparticles. Environmental Science & Technology, 2011, 45, 6978-6984.	10.0	114
115	Comment on "Oxidation 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 Reaction". Environmental Science & Technology, 2011, 45, 3177-3178.	10.0	15
116	Magnetic mesoporous materials for removal of environmental wastes. Journal of Hazardous Materials, 2011, 192, 1140-1147.	12.4	78
117	Inactivation of MS2 bacteriophage by streamer corona discharge in water. Chemosphere, 2011, 82, 1135-1140.	8.2	30
118	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
119	Inactivation of <i>Escherichia coli</i> by Nanoparticulate Zerovalent Iron and Ferrous Ion. Applied and Environmental Microbiology, 2010, 76, 7668-7670.	3.1	125
120	Inactivation of MS2 coliphage by Fenton's reagent. Water Research, 2010, 44, 2647-2653.	11.3	65
121	A novel homogeneous Fenton-like system with Fe(III)-phosphotungstate for oxidation of organic compounds at neutral pH values. Journal of Molecular Catalysis A, 2009, 311, 1-6.	4.8	98
122	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
123	UV direct photolysis of 2,2'-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
124	Enhanced Formation of Oxidants from Bimetallic Nickel-Iron Nanoparticles in the Presence of Oxygen. Environmental Science & Technology, 2008, 42, 8528-8533.	10.0	118
125	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
126	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



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127	Oxidation of suspected N-nitrosodimethylamine (NDMA) precursors by ferrate (VI): Kinetics and effect on the NDMA formation potential of natural waters. <i>Water Research</i> , 2008, 42, 433-441.	11.3	98
128	Bactericidal Effect of Zero-Valent Iron Nanoparticles on Escherichia coli. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4927-4933.	10.0	667
129	Response to Comment on "Polyoxometalate-Enhanced Oxidation of Organic Compounds by Nanoparticulate Zero-Valent Iron and Ferrous Ion in the Presence of Oxygen": <i>Environmental Science &amp; Technology</i> , 2008, 42, 8169-8169.	10.0	2
130	Oxidative degradation of N-nitrosodimethylamine by conventional ozonation and the advanced oxidation process ozone/hydrogen peroxide. <i>Water Research</i> , 2007, 41, 581-590.	11.3	216
131	Oxidation of N-Nitrosodimethylamine (NDMA) Precursors with Ozone and Chlorine Dioxide: Kinetics and Effect on NDMA Formation Potential. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2056-2063.	10.0	223
132	UV-A induced photochemical formation of N-nitrosodimethylamine (NDMA) in the presence of nitrite and dimethylamine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 189, 128-134.	3.9	35
133	Oxidative degradation of dimethylsulfoxide by locally concentrated hydroxyl radicals in streamer corona discharge process. <i>Chemosphere</i> , 2006, 65, 1163-1170.	8.2	33
134	UV Photolytic Mechanism of N-Nitrosodimethylamine in Water: Dual Pathways to Methylamine versus Dimethylamine. <i>Environmental Science &amp; Technology</i> , 2005, 39, 2101-2106.	10.0	110
135	UV Photolytic Mechanism of N-Nitrosodimethylamine in Water: Roles of Dissolved Oxygen and Solution pH. <i>Environmental Science &amp; Technology</i> , 2005, 39, 9702-9709.	10.0	86
136	Application of photoactivated periodate to the decolorization of reactive dye: reaction parameters and mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 165, 35-41.	3.9	89
137	Temperature dependence of hydroxyl radical formation in the $h\nu/\text{Fe}^{3+}/\text{H}_2\text{O}_2$ and $\text{Fe}^{3+}/\text{H}_2\text{O}_2$ systems. <i>Chemosphere</i> , 2004, 56, 923-934.	8.2	84
138	Determination of quantum yields for the photolysis of Fe(III)-hydroxo complexes in aqueous solution using a novel kinetic method. <i>Chemosphere</i> , 2004, 57, 1449-1458.	8.2	34
139	Kinetics and mechanisms of DMSO (dimethylsulfoxide) degradation by UV/ $\text{H}_2\text{O}_2$ process. <i>Water Research</i> , 2004, 38, 2579-2588.	11.3	90
140	High temperature dependence of 2,4-dichlorophenoxyacetic acid degradation by $\text{Fe}^{3+}/\text{H}_2\text{O}_2$ system. <i>Chemosphere</i> , 2003, 51, 963-971.	8.2	63
141	Influence of various reaction parameters on 2,4-D removal in photo/ferrioxalate/ $\text{H}_2\text{O}_2$ process. <i>Chemosphere</i> , 2003, 51, 901-912.	8.2	57
142	Practical selection of microorganisms indicating the stability of pathogenic removal in water treatment plants. <i>Water Science and Technology: Water Supply</i> , 2002, 2, 373-380.	2.1	0