Changha Lee

List of Publications by Year in Descending Order

142 papers	6,954 citations	45 h-index	81 g-index
143 ext. papers	8,322 ext. citations	10.1 avg, IF	6.22 L-index

#	Paper	IF	Citations
142	Fabrication of Ag-doped ZnO/PAN composite nanofibers by electrospinning: Photocatalytic and antiviral activities.. *Korean Journal of Chemical Engineering*, **2022**, 1-9	2.8	1
141	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	14.7	2
140	Efficient bicarbonate removal and recovery of ammonium bicarbonate as CO2 utilization using flow-electrode capacitive deionization. *Chemical Engineering Journal*, **2022**, 431, 134233	14.7	1
139	Visible-light photocatalysis over MIL-53(Fe) for VOC removal and viral inactivation in air. *Environmental Engineering Research*, **2022**, 27, 210209-0	3.6	0
138	Catalytic Persulfate Activation for Oxidation of Organic Pollutants: A Critical Review on Mechanisms and Controversies. *Journal of Environmental Chemical Engineering*, **2022**, 107654	6.8	1
137	Improvement in the desalination performance of membrane capacitive deionization with a bipolar electrode via an energy recovery process. *Chemical Engineering Journal*, **2022**, 439, 135603	14.7	0
136	The Photo-Fenton System. *Springer Handbooks*, **2022**, 1719-1734	1.3	
135	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	6.8	0
134	Long-term and stable antimicrobial properties of immobilized Ni/TiO nanocomposites against Escherichia coli, Legionella thermalis, and MS2 bacteriophage. *Environmental Research*, **2021**, 194, 110657	7.9	2
133	Chloride-Mediated Enhancement in Heat-Induced Activation of Peroxymonosulfate: New Reaction Pathways for Oxidizing Radical Production. *Environmental Science & Technology*, **2021**, 55, 5382-5392	10.3	22
132	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	2.8	
131	Persulfate enhanced photoelectrochemical oxidation of organic pollutants using self-doped TiOnanotube arrays: Effect of operating parameters and water matrix. *Water Research*, **2021**, 191, 116803	12.5	6
130	Effect of Fe3+ as an electron-transfer mediator on WO3-induced activation of peroxymonosulfate under visible light. *Chemical Engineering Journal*, **2021**, 411, 128529	14.7	6
129	Selective fluoride removal in capacitive deionization by reduced graphene oxide/hydroxyapatite composite electrode. *Journal of Colloid and Interface Science*, **2021**, 581, 396-402	9.3	19
128	Nafion-coated Prussian blue electrodes to enhance the stability and efficiency of battery desalination system. *Desalination*, **2021**, 500, 114778	10.3	3
127	Hand-ground fullerene-nanodiamond composite for photosensitized water treatment and photodynamic cancer therapy. *Journal of Colloid and Interface Science*, **2021**, 587, 101-109	9.3	4
126	Prediction of Oxidant Exposures and Micropollutant Abatement during Ozonation Using a Machine Learning Method. *Environmental Science & Technology*, **2021**, 55, 709-718	10.3	6

125	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	6.8	3
124	Degradation of aqueous organic pollutants using an Fe2O3/WO3 composite photocatalyst as a magnetically separable peroxymonosulfate activator. *Separation and Purification Technology*, **2021**, 267, 118610	8.3	7
123	Occurrence of unknown reactive species in UV/HO system leading to false interpretation of hydroxyl radical probe reactions. *Water Research*, **2021**, 201, 117338	12.5	5
122	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	12.5	7
121	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	6.3	2
120	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	14.7	3
119	Practical scale evaluation of a photocatalytic air purifier equipped with a Titania-zeolite composite bead filter for VOC removal and viral inactivation. *Environmental Research*, **2021**, 204, 112036	7.9	1
118	High chlorine evolution performance of electrochemically reduced TiO nanotube array coated with a thin RuO layer by the self-synthetic method.. *RSC Advances*, **2021**, 11, 12107-12116	3.7	0
117	Accelerated oxidation of microcystin-LR by Fe(II)-tetrapolyphosphate/oxygen in the presence of magnesium and calcium ions. *Water Research*, **2020**, 184, 116172	12.5	
116	Freezing-enhanced non-radical oxidation of organic pollutants by peroxymonosulfate. *Chemical Engineering Journal*, **2020**, 388, 124226	14.7	11
115	Performance analysis of the multi-channel membrane capacitive deionization with porous carbon electrode stacks. *Desalination*, **2020**, 479, 114315	10.3	13
114	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	8.3	16
113	Short Review of Multichannel Membrane Capacitive Deionization: Principle, Current Status, and Future Prospect. *Applied Sciences (Switzerland)*, **2020**, 10, 683	2.6	21
112	Photocatalytic Oxidation of Organic Compounds by Visible Light-Illuminated g-C3N4-AQ in Combination with Fe(III). *Advances in Science, Technology and Innovation*, **2020**, 91-93	0.3	1
111	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	6.7	33
110	Modeling of ozone decomposition, oxidant exposures, and the abatement of micropollutants during ozonation processes. *Water Research*, **2020**, 169, 115230	12.5	14
109	Reduction of chlorendic acid by zero-valent iron: Kinetics, products, and pathways. *Journal of Hazardous Materials*, **2020**, 384, 121269	12.8	5
108	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	9.3	28

107	Comment on "Visible-light-driven, hierarchically heterostructured, and flexible silver/bismuth oxyiodide/titania nanofibrous membranes for highly efficient water disinfection" by Song et al. *Journal of Colloid and Interface Science*, **2020**, 566, 513-514	9.3	
106	Nickel-Nickel oxide nanocomposite as a magnetically separable persulfate activator for the nonradical oxidation of organic contaminants. *Journal of Hazardous Materials*, **2020**, 388, 121767	12.8	14
105	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	10.3	20
104	Cupric ion in combination with hydrogen peroxide and hydroxylamine applied to inactivation of different microorganisms. *Journal of Hazardous Materials*, **2020**, 400, 123305	12.8	3
103	Versatile Yolk-Shell Encapsulation: Catalytic, Photothermal, and Sensing Demonstration. *Small*, **2020**, 16, e2002311	11	10
102	Use of High-Valent Metal Species Produced by the Fenton (-like) Reactions in Water Treatment. *Advances in Science, Technology and Innovation*, **2020**, 89-89	0.3	
101	Inactivation of bacterial planktonic cells and biofilms by Cu(II)-activated peroxymonosulfate in the presence of chloride ion. *Chemical Engineering Journal*, **2020**, 380, 122468	14.7	12
100	Enhancement in Desalination Performance of Battery Electrodes via Improved Mass Transport Using a Multichannel Flow System. *ACS Applied Materials & Interfaces*, **2019**, 11, 36580-36588	9.5	18
99	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	6.3	27
98	Differential Microbicidal Effects of Bimetallic Iron-Copper Nanoparticles on Escherichia coli and MS2 Coliphage. *Environmental Science & Technology*, **2019**, 53, 2679-2687	10.3	20
97	Ozonation of Microcystins: Kinetics and Toxicity Decrease. *Environmental Science & Technology*, **2019**, 53, 6427-6435	10.3	12
96	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	21.8	45
95	Spontaneous Generation of HO and Hydroxyl Radical through O Reduction on Copper Phosphide under Ambient Aqueous Condition. *Environmental Science & Technology*, **2019**, 53, 2918-2925	10.3	51
94	Inactivation of Escherichia coli and MS2 coliphage via singlet oxygen generated by homogeneous photosensitization. *Korean Journal of Chemical Engineering*, **2019**, 36, 1785-1790	2.8	2
93	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	11	15
92	Effect of Hydrophilicity of Activated Carbon Electrodes on Desalination Performance in Membrane Capacitive Deionization. *Applied Sciences (Switzerland)*, **2019**, 9, 5055	2.6	10
91	La-modified ZSM-5 zeolite beads for enhancement in removal and recovery of phosphate. *Microporous and Mesoporous Materials*, **2019**, 279, 37-44	5.3	44
90	Activation of Periodate by Freezing for the Degradation of Aqueous Organic Pollutants. *Environmental Science & Technology*, **2018**, 52, 5378-5385	10.3	38

89	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	21.8	91
88	Nitrite ion mitigates the formation of N-nitrosodimethylamine (NDMA) during chloramination of ranitidine. *Science of the Total Environment*, **2018**, 633, 352-359	10.2	13
87	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	10.3	1
86	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	7.9	10
85	Chloride-enhanced oxidation of organic contaminants by Cu(II)-catalyzed Fenton-like reaction at neutral pH. *Journal of Hazardous Materials*, **2018**, 344, 1174-1180	12.8	53
84	Electrochemical Peroxodisulfate (PDS) Generation on a Self-Doped TiO2 Nanotube Array Electrode. *Industrial & Engineering Chemistry Research*, **2018**, 57, 11465-11471	3.9	9
83	Binder-free immobilization of TiO 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	12.8	11
82	Enhanced Oxidation of Phenol by Copper-catalyzed Fenton-like Reaction in the Presence of Bicarbonate. *Journal of Advanced Oxidation Technologies*, **2018**, 21, 54-66		2
81	Visible light-photosensitized oxidation of organic pollutants using amorphous peroxo-titania. *Applied Catalysis B: Environmental*, **2018**, 225, 487-495	21.8	22
80	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	10.3	22
79	Accelerated redox reaction between chromate and phenolic pollutants during freezing. *Journal of Hazardous Materials*, **2017**, 329, 330-338	12.8	28
78	Oxidation of microcystin-LR by ferrous-tetrapolyphosphate in the presence of oxygen and hydrogen peroxide. *Water Research*, **2017**, 114, 277-285	12.5	20
77	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	12.5	
76	Response to Comment on "Activation of Persulfate by Graphitized Nanodiamonds for Removal of Organic Compounds". *Environmental Science & Technology*, **2017**, 51, 5353-5354	10.3	13
75	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	7.1	9
74	Combination of cupric ion with hydroxylamine and hydrogen peroxide for the control of bacterial biofilms on RO membranes. *Water Research*, **2017**, 110, 83-90	12.5	25
73	Inactivation of biofilms on RO membranes by copper ion in combination with norspermidine. *Desalination*, **2017**, 424, 95-101	10.3	7
72	Adsorption of As(V) by boehmite and alumina of different morphologies prepared under hydrothermal conditions. *Chemosphere*, **2017**, 169, 99-106	8.4	38

71	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	21.8	62
70	Control of the red tide dinoflagellate Cochlodinium polykrikoides by ozone in seawater. *Water Research*, **2017**, 109, 237-244	12.5	8
69	Science Walden: Exploring the Convergence of Environmental Technologies with Design and Art. *Sustainability*, **2017**, 9, 35	3.6	1
68	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		8
67	Activation of Peroxymonosulfate by Surface-Loaded Noble Metal Nanoparticles for Oxidative Degradation of Organic Compounds. *Environmental Science & Technology*, **2016**, 50, 10187-97	10.3	169
66	Disintegration of Waste Activated Sludge by Thermally-Activated Persulfates for Enhanced Dewaterability. *Environmental Science & Technology*, **2016**, 50, 7106-15	10.3	159
65	Oxidative treatment of waste activated sludge by different activated persulfate systems for enhancing sludge dewaterability. *Sustainable Environment Research*, **2016**, 26, 177-183	3.8	35
64	Activation of Oxygen and Hydrogen Peroxide by Copper(II) Coupled with Hydroxylamine for Oxidation of Organic Contaminants. *Environmental Science & Technology*, **2016**, 50, 8231-8	10.3	110
63	Activation of Persulfates by Graphitized Nanodiamonds for Removal of Organic Compounds. *Environmental Science & Technology*, **2016**, 50, 10134-42	10.3	361
62	Highly reusable TiO2 nanoparticle photocatalyst by direct immobilization on steel mesh via PVDF coating, electrospraying, and thermal fixation. *Chemical Engineering Journal*, **2016**, 306, 344-351	14.7	41
61	Fate of engineered nanoparticles: Implications in the environment. *Coordination Chemistry Reviews*, **2015**, 287, 64-78	23.2	153
60	Distinctive green recovery of silver species from modified cellulose: mechanism and spectroscopic studies. *International Journal of Biological Macromolecules*, **2015**, 76, 109-18	7.9	10
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	12.5	45
58	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	14.7	28
57	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	12.5	51
56	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	6.3	44
55	Enhanced production of reactive oxidants by Fenton-like reactions in the presence of carbon materials. *Chemical Engineering Journal*, **2015**, 273, 502-508	14.7	45
54	Photocatalytic applications of paper-like poly(vinylidene fluoride)-titanium dioxide hybrids fabricated using a combination of electrospinning and electrospraying. *Journal of Hazardous Materials*, **2015**, 285, 267-76	12.8	41

53	Effects of inorganic oxidants on kinetics and mechanisms of WO 3 -mediated photocatalytic degradation. *Applied Catalysis B: Environmental*, **2015**, 162, 515-523	21.8	55
52	Enhanced Inactivation of Escherichia coli and MS2 Coliphage by Cupric Ion in the Presence of Hydroxylamine: Dual Microbicidal Effects. *Environmental Science & Technology*, **2015**, 49, 14416-23	10.3	44
51	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	13.3	14
50	Activation of persulfates by carbon nanotubes: Oxidation of organic compounds by nonradical mechanism. *Chemical Engineering Journal*, **2015**, 266, 28-33	14.7	413
49	Oxidation of organic contaminants in water by iron-induced oxygen activation: A short review. *Environmental Engineering Research*, **2015**, 20, 205-211	3.6	24
48	Degradation of diclofenac and carbamazepine by the copper(II)-catalyzed dark and photo-assisted Fenton-like systems. *Chemical Engineering Journal*, **2014**, 245, 258-264	14.7	87
47	Synthesis of graphene□arbon sphere hybrid aerogel with silver nanoparticles and its catalytic and adsorption applications. *Chemical Engineering Journal*, **2014**, 244, 160-167	14.7	86
46	Electrochromic titania nanotube arrays for the enhanced photocatalytic degradation of phenol and pharmaceutical compounds. *Chemical Engineering Journal*, **2014**, 249, 285-292	14.7	54
45	Single-step green synthesis of imine-functionalized carbon spheres and their application in uranium removal from aqueous solution. *RSC Advances*, **2014**, 4, 46114-46121	3.7	18
44	Oxidizing capacity of periodate activated with iron-based bimetallic nanoparticles. *Environmental Science & Technology*, **2014**, 48, 8086-93	10.3	62
43	Visible light photoelectrocatalytic degradation of methyl orange using anodized nanoporous WO3. *Electrochimica Acta*, **2014**, 115, 140-145	6.7	33
42	Effects of advanced treatments using granular activated carbon adsorption with ozonation and ultrafiltration on chlorine decay. *Desalination and Water Treatment*, **2014**, 52, 976-984		2
41	Raspberry derived mesoporous carbon-tubules and fixed-bed adsorption of pharmaceutical drugs. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 1126-1132	6.3	47
40	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, 201-7	12.8	41
39	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	21.8	49
38	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	10.3	207
37	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, 134-42	4.4	29
36	pH-Dependent reactivity of oxidants formed by iron and copper-catalyzed decomposition of hydrogen peroxide. *Chemosphere*, **2013**, 92, 652-8	8.4	121

35	Microbial inactivation by cupric ion in combination with H2O2: role of reactive oxidants. *Environmental Science & Technology*, **2013**, 47, 13661-7	10.3	64
34	Magnetite/mesocellular carbon foam as a magnetically recoverable fenton catalyst for removal of phenol and arsenic. *Chemosphere*, **2012**, 89, 1230-7	8.4	68
33	Role of reactive oxygen species in Escherichia coli inactivation by cupric ion. *Environmental Science & Technology*, **2012**, 46, 11299-304	10.3	57
32	Carbon nanotube-based membranes: Fabrication and application to desalination. *Journal of Industrial and Engineering Chemistry*, **2012**, 18, 1551-1559	6.3	144
31	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	21.8	62
30	Photosensitized oxidation of emerging organic pollutants by tetrakis C□ aminofullerene-derivatized silica under visible light irradiation. *Environmental Science & Technology*, **2011**, 45, 10598-604	10.3	85
29	Inactivation of MS2 coliphage by ferrous ion and zero-valent iron nanoparticles. *Environmental Science & Technology*, **2011**, 45, 6978-84	10.3	95
28	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, 3177-8; author reply 3179-80	10.3	14
27	Magnetic mesoporous materials for removal of environmental wastes. *Journal of Hazardous Materials*, **2011**, 192, 1140-7	12.8	71
26	Inactivation of MS2 bacteriophage by streamer corona discharge in water. *Chemosphere*, **2011**, 82, 1135-40	8.4	23
25	Decolorization of reactive dye using a photo-ferrioxalate system with brick grain-supported iron oxide. *Journal of Hazardous Materials*, **2011**, 188, 357-62	12.8	18
24	Inactivation of Escherichia coli by nanoparticulate zerovalent iron and ferrous ion. *Applied and Environmental Microbiology*, **2010**, 76, 7668-70	4.8	108
23	Inactivation of MS2 coliphage by Fenton's reagent. *Water Research*, **2010**, 44, 2647-53	12.5	53
22	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		87
21	A silica-supported iron oxide catalyst capable of activating hydrogen peroxide at neutral pH values. *Environmental Science & Technology*, **2009**, 43, 8930-5	10.3	271
20	Enhanced formation of oxidants from bimetallic nickel-iron nanoparticles in the presence of oxygen. *Environmental Science & Technology*, **2008**, 42, 8528-33	10.3	112
19	Polyoxometalate-enhanced oxidation of organic compounds by nanoparticulate zero-valent iron and ferrous ion in the presence of oxygen. *Environmental Science & Technology*, **2008**, 42, 4921-6	10.3	150
18	Enhanced inactivation of E. coli and MS-2 phage by silver ions combined with UV-A and visible light irradiation. *Water Research*, **2008**, 42, 356-62	12.5	138

17	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, 433-41	12.5	82
16	Bactericidal effect of zero-valent iron nanoparticles on Escherichia coli. *Environmental Science & Technology*, **2008**, 42, 4927-33	10.3	557
15	Response to Comment on Polyoxometalate-Enhanced Oxidation of Organic Compounds by Nanoparticulate Zero-Valent Iron and Ferrous Ion in the Presence of Oxygen *Environmental Science & Technology*, **2008**, 42, 8169-8169	10.3	2
14	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	4.7	28
13	Oxidation of N-nitrosodimethylamine (NDMA) precursors with ozone and chlorine dioxide: kinetics and effect on NDMA formation potential. *Environmental Science & Technology*, **2007**, 41, 2056-63	10.3	193
12	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	4.7	28
11	Oxidative degradation of N-nitrosodimethylamine by conventional ozonation and the advanced oxidation process ozone/hydrogen peroxide. *Water Research*, **2007**, 41, 581-90	12.5	187
10	Oxidative degradation of dimethylsulfoxide by locally concentrated hydroxyl radicals in streamer corona discharge process. *Chemosphere*, **2006**, 65, 1163-70	8.4	26
9	UV photolytic mechanism of N-nitrosodimethylamine in water: dual pathways to methylamine versus dimethylamine. *Environmental Science & Technology*, **2005**, 39, 2101-6	10.3	103
8	UV photolytic mechanism of N-nitrosodimethylamine in water: roles of dissolved oxygen and solution pH. *Environmental Science & Technology*, **2005**, 39, 9702-9	10.3	78
7	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	4.7	59
6	Temperature dependence of hydroxyl radical formation in the hv/Fe3+/H2O2 and Fe3+/H2O2 systems. *Chemosphere*, **2004**, 56, 923-34	8.4	71
5	Determination of quantum yields for the photolysis of Fe(III)-hydroxo complexes in aqueous solution using a novel kinetic method. *Chemosphere*, **2004**, 57, 1449-58	8.4	30
4	Kinetics and mechanisms of DMSO (dimethylsulfoxide) degradation by UV/H(2)O(2) process. *Water Research*, **2004**, 38, 2579-88	12.5	73
3	High temperature dependence of 2,4-dichlorophenoxyacetic acid degradation by Fe3+/H(2)O(2) system. *Chemosphere*, **2003**, 51, 963-71	8.4	59
2	Influence of various reaction parameters on 2,4-D removal in photo/ferrioxalate/H(2)O(2) process. *Chemosphere*, **2003**, 51, 901-12	8.4	43
1	Practical selection of microorganisms indicating the stability of pathogenic removal in water treatment plants. *Water Science and Technology: Water Supply*, **2002**, 2, 373-380	1.4	