Fei Qi

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106 3,163 34 53 h-index g-index papers citations 4,185 114 9.7 5.7 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
106	Modeling the heterogeneous peroxymonosulfate/Co-MCM41 process for the degradation of caffeine and the study of influence of cobalt sources. <i>Chemical Engineering Journal</i> , 2014 , 235, 10-18	14.7	168
105	Degradation of benzotriazole by a novel Fenton-like reaction with mesoporous Cu/MnO 2 : Combination of adsorption and catalysis oxidation. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 447-4	45 7 1.8	139
104	Facile in-situ design strategy to disperse TiO2 nanoparticles on graphene for the enhanced photocatalytic degradation of rhodamine 6G. <i>Applied Catalysis B: Environmental</i> , 2017 , 218, 208-219	21.8	125
103	Catalytic degradation of caffeine in aqueous solutions by cobalt-MCM41 activation of peroxymonosulfate. <i>Applied Catalysis B: Environmental</i> , 2013 , 134-135, 324-332	21.8	122
102	LaCoO3 perovskite oxide activation of peroxymonosulfate for aqueous 2-phenyl-5-sulfobenzimidazole degradation: Effect of synthetic method and the reaction mechanism. <i>Chemical Engineering Journal</i> , 2016 , 304, 897-907	14.7	104
101	Coupling metalBrganic frameworks and g-CN to derive Fe@N-doped graphene-like carbon for peroxymonosulfate activation: Upgrading framework stability and performance. <i>Applied Catalysis B: Environmental</i> , 2019 , 255, 117763	21.8	103
100	Kinetics and mechanism of degradation of p-chloronitrobenzene in water by ozonation. <i>Journal of Hazardous Materials</i> , 2008 , 152, 1325-31	12.8	97
99	Heterogeneous activation of peroxymonosulfate by LaFeO3 for diclofenac degradation: DFT-assisted mechanistic study and degradation pathways. <i>Chemical Engineering Journal</i> , 2018 , 352, 601-611	14.7	94
98	Role of oxygen vacancies and Mn sites in hierarchical Mn2O3/LaMnO3-Derovskite composites for aqueous organic pollutants decontamination. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 546-554	21.8	91
97	Sulfate radical-based photo-Fenton reaction derived by CuBi 2 O 4 and its composites with Bi 2 O 3 under visible light irradiation: Catalyst fabrication, performance and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2018 , 235, 264-273	21.8	85
96	Influence of surface texture and acidBase properties on ozone decomposition catalyzed by aluminum (hydroxyl) oxides. <i>Applied Catalysis B: Environmental</i> , 2008 , 84, 684-690	21.8	79
95	Novel carbon based Fe-Co oxides derived from Prussian blue analogues activating peroxymonosulfate: Refractory drugs degradation without metal leaching. <i>Chemical Engineering Journal</i> , 2020 , 379, 122274	14.7	78
94	Ozonation of phenacetin in associated with a magnetic catalyst CuFe2O4: The reaction and transformation. <i>Chemical Engineering Journal</i> , 2015 , 262, 552-562	14.7	76
93	Enhancement of Fe@porous carbon to be an efficient mediator for peroxymonosulfate activation for oxidation of organic contaminants: Incorporation NH2-group into structure of its MOF precursor. <i>Chemical Engineering Journal</i> , 2018 , 354, 835-848	14.7	75
92	Insights into Heteroatom-Doped Graphene for Catalytic Ozonation: Active Centers, Reactive Oxygen Species Evolution, and Catalytic Mechanism. <i>Environmental Science & amp; Technology</i> , 2019 , 53, 5337-5348	10.3	73
91	Influence of aluminum oxides surface properties on catalyzed ozonation of 2,4,6-trichloroanisole. <i>Separation and Purification Technology</i> , 2009 , 66, 405-410	8.3	73
90	Carbonized polyaniline activated peroxymonosulfate (PMS) for phenol degradation: Role of PMS adsorption and singlet oxygen generation. <i>Applied Catalysis B: Environmental</i> , 2021 , 286, 119921	21.8	64

(2009-2016)

89	A novel ceramic membrane coated with MnO2£103O4 nanoparticles catalytic ozonation for benzophenone-3 degradation in aqueous solution: Fabrication, characterization and performance. <i>Chemical Engineering Journal</i> , 2016 , 287, 381-389	14.7	56	
88	Catalytic ozonation of 2-isopropyl-3-methoxypyrazine in water by FAlOOH and FAl2O3: Comparison of removal efficiency and mechanism. <i>Chemical Engineering Journal</i> , 2013 , 219, 527-536	14.7	56	
87	Ozonation catalyzed by the raw bauxite for the degradation of 2,4,6-trichloroanisole in drinking water. <i>Journal of Hazardous Materials</i> , 2009 , 168, 246-52	12.8	55	
86	Cobalt modified red mud catalytic ozonation for the degradation of bezafibrate in water: Catalyst surface properties characterization and reaction mechanism. <i>Chemical Engineering Journal</i> , 2016 , 284, 942-952	14.7	54	
85	Comparison of phenacetin degradation in aqueous solutions by catalytic ozonation with CuFe 2 O 4 and its precursor: Surface properties, intermediates and reaction mechanisms. <i>Chemical Engineering Journal</i> , 2016 , 284, 28-36	14.7	49	
84	Heterogeneous catalytic ozonation of phenacetin in water using magnetic spinel ferrite as catalyst: Comparison of surface property and efficiency. <i>Journal of Molecular Catalysis A</i> , 2015 , 396, 164-173		44	
83	Catalytic ozonation benefit from the enhancement of electron transfer by the coupling of g-C3N4 and LaCoO3: Discussion on catalyst fabrication and electron transfer pathway. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 569-579	21.8	43	
82	Comparison of the efficiency and mechanism of catalytic ozonation of 2,4,6-trichloroanisole by iron and manganese modified bauxite. <i>Applied Catalysis B: Environmental</i> , 2012 , 121-122, 171-181	21.8	43	
81	Sonolytic and sonophotolytic degradation of Carbamazepine: Kinetic and mechanisms. <i>Ultrasonics Sonochemistry</i> , 2016 , 32, 371-379	8.9	43	
80	Mechanism investigation of catalyzed ozonation of 2-methylisoborneol in drinking water over aluminum (hydroxyl) oxides: Role of surface hydroxyl group. <i>Chemical Engineering Journal</i> , 2010 , 165, 490-499	14.7	42	
79	Degradation of bezafibrate in wastewater by catalytic ozonation with cobalt doped red mud: Efficiency, intermediates and toxicity. <i>Applied Catalysis B: Environmental</i> , 2014 , 152-153, 342-351	21.8	40	
78	Reaction kinetics and transformation of antipyrine chlorination with free chlorine. <i>Water Research</i> , 2013 , 47, 2830-42	12.5	38	
77	Insight into OH and O2Iformation in heterogeneous catalytic ozonation by delocalized electrons and surface oxygen-containing functional groups in layered-structure nanocarbons. <i>Chemical Engineering Journal</i> , 2019 , 357, 655-666	14.7	37	
76	Effects of ambient temperature and aeration frequency on emissions of ammonia and greenhouse gases from a sewage sludge aerobic composting plant. <i>Bioresource Technology</i> , 2018 , 270, 457-466	11	37	
<i>75</i>	Novel CuCoO Composite Spinel with a Meso-Macroporous Nanosheet Structure for Sulfate Radical Formation and Benzophenone-4 Degradation: Interface Reaction, Degradation Pathway, and DFT Calculation. <i>ACS Applied Materials & Degradation</i> (2008) 12, 20522-20535	9.5	36	
74	Cerium doped red mud catalytic ozonation for bezafibrate degradation in wastewater: Efficiency, intermediates, and toxicity. <i>Chemosphere</i> , 2016 , 146, 22-31	8.4	35	
73	Comparison of N-nitrosodiethylamine degradation in water by UV irradiation and UV/O3: efficiency, product and mechanism. <i>Journal of Hazardous Materials</i> , 2010 , 179, 976-82	12.8	35	
72	Inhibiting the regeneration of N-nitrosodimethylamine in drinking water by UV photolysis combined with ozonation. <i>Journal of Hazardous Materials</i> , 2009 , 168, 108-14	12.8	31	

71	A novel catalytic ceramic membrane fabricated with CuMnO particles for emerging UV absorbers degradation from aqueous and membrane fouling elimination. <i>Journal of Hazardous Materials</i> , 2018 , 344, 1229-1239	12.8	31
70	Synchronously degradation benzotriazole and elimination bromate by perovskite oxides catalytic ozonation: Performance and reaction mechanism. <i>Separation and Purification Technology</i> , 2018 , 197, 261-270	8.3	30
69	Efficiency and products investigations on the ozonation of 2-methylisoborneol in drinking water. <i>Water Environment Research</i> , 2009 , 81, 2411-9	2.8	30
68	The occurrence of haloanisoles as an emerging odorant in municipal tap water of typical cities in China. <i>Water Research</i> , 2016 , 98, 242-9	12.5	29
67	Self-doped rutile titania with high performance for direct and ultrafast assay of H2O2. ACS Applied Materials & Interfaces, 2013, 5, 12784-8	9.5	29
66	Electron transfer enhancing Fe(II)/Fe(III) cycle by sulfur and biochar in magnetic FeS@biochar to active peroxymonosulfate for 2,4-dichlorophenoxyacetic acid degradation. <i>Chemical Engineering Journal</i> , 2021 , 417, 129238	14.7	29
65	Influencing factors and degradation products of antipyrine chlorination in water with free chlorine. Journal of Environmental Sciences, 2013 , 25, 77-84	6.4	27
64	Heterogeneous activation of peroxymonosulfate by hierarchical CuBiO to generate reactive oxygen species for refractory organic compounds degradation: morphology and surface chemistry derived reaction and its mechanism. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 4419-4434	5.1	25
63	Emission characteristics of volatile sulfur compounds (VSCs) from a municipal sewage sludge aerobic composting plant. <i>Waste Management</i> , 2018 , 77, 593-602	8.6	25
62	Efficiency and mechanism of atenolol decomposition in Co-FeOOH catalytic ozonation. <i>Journal of Hazardous Materials</i> , 2019 , 365, 146-154	12.8	25
61	Odor assessment of NH and volatile sulfide compounds in a full-scale municipal sludge aerobic composting plant. <i>Bioresource Technology</i> , 2019 , 282, 447-455	11	23
60	N2O emission from full-scale urban wastewater treatment plants: a comparison between A(2)O and SBR. <i>Water Science and Technology</i> , 2013 , 67, 1887-93	2.2	22
59	Factors influencing the photodegradation of N-nitrosodimethylamine in drinking water. <i>Frontiers of Environmental Science and Engineering in China</i> , 2009 , 3, 91-97		22
58	S-doped TiO2 photocatalyst for visible LED mediated oxone activation: Kinetics and mechanism study for the photocatalytic degradation of pyrimethanil fungicide. <i>Chemical Engineering Journal</i> , 2021 , 411, 128450	14.7	22
57	Catalytic ozonation of emerging pollutant and reduction of toxic by-products in secondary effluent matrix and effluent organic matter reaction activity. Water Research, 2019, 166, 115026	12.5	21
56	Rapid degradation of new disinfection by-products in drinking water by UV irradiation: N-Nitrosopyrrolidine and N-nitrosopiperidine. <i>Separation and Purification Technology</i> , 2009 , 69, 126-133	8.3	19
55	Cyanobacteria derived taste and odor characteristics in various lakes in China: Songhua Lake, Chaohu Lake and Taihu Lake. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 181, 499-507	7	14
54	Facile synthesis of snowflake-like ZnO nanostructures at low temperature and their super catalytic activity for the ozone decomposition. <i>Materials Research Bulletin</i> , 2013 , 48, 1725-1727	5.1	14

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53	Catalytic ozonation for degradation of 2, 4, 6-trichloroanisole in drinking water in the presence of gamma-AlOOH. <i>Water Environment Research</i> , 2009 , 81, 592-7	2.8	14
52	Synergistic utilization of inherent halides and alcohols in hydraulic fracturing wastewater for radical-based treatment: A case study of di-(2-ethylhexyl) phthalate removal. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121321	12.8	14
51	Stable synergistic decontamination and self-cleaning performance of powerful N-rGO catalytic ozonation membrane: Clustering effect of free electrons and role of interface properties. <i>Applied Catalysis B: Environmental</i> , 2021 , 283, 119662	21.8	14
50	Degradation Rhodamine B dye wastewater by sulfate radical-based visible light-fenton mediated by LaFeO3: Reaction mechanism and empirical modeling. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 111, 162-169	5.3	13
49	Degradation of benzophenone-3 by the ozonation in aqueous solution: kinetics, intermediates and toxicity. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 7962-74	5.1	13
48	Health impact of odor from on-situ sewage sludge aerobic composting throughout different seasons and during anaerobic digestion with hydrolysis pretreatment. <i>Chemosphere</i> , 2020 , 249, 126077	8.4	11
47	Heterogeneous Fenton-like reactions with a novel hybrid CuMnD catalyst for the degradation of benzophenone-3 in aqueous media. <i>Comptes Rendus Chimie</i> , 2017 , 20, 87-95	2.7	11
46	The characteristics of organic matter influence its interfacial interactions with MnO and catalytic oxidation processes. <i>Chemosphere</i> , 2018 , 209, 950-959	8.4	11
45	Degradation of benzophenone-4 by peroxymonosulfate activated with microwave synthesized well-distributed CuBi2O4 microspheres: Theoretical calculation of degradation mechanism. <i>Applied Catalysis B: Environmental</i> , 2021 , 290, 120048	21.8	11
44	Determination of twenty pharmaceutical contaminants in soil using ultrasound-assisted extraction with gas chromatography-mass spectrometric detection. <i>Chemosphere</i> , 2019 , 232, 232-242	8.4	10
43	Photodegradation of N-nitrosodiethylamine in water with UV irradiation. <i>Science Bulletin</i> , 2008 , 53, 339	5r 3 40′	l 10
42	Degradation of 2-methylisoborneol in drinking water by bauxite catalyzed ozonation 2008 , 57, 427-434		9
41	Effect of the coupling modes on EfOM degradation and fouling mitigation in ozonation-ceramic membrane filtration. <i>Chemical Engineering Journal</i> , 2020 , 394, 124935	14.7	8
40	Effect of nitrogen/phosphorus concentration on algal organic matter generation of the diatom Nitzschia palea: Total indicators and spectroscopic characterization. <i>Journal of Environmental Sciences</i> , 2016 , 47, 130-142	6.4	8
39	Occurrence of earthythusty taste and odors in the Taihu Lake, China: spatial and seasonal patterns. <i>RSC Advances</i> , 2016 , 6, 79723-79733	3.7	8
38	Removal performance and mechanism of ibuprofen from water by catalytic ozonation using sludge-corncob activated carbon as catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 7266	5-7-3	7
37	Synergic catalytic ozonation and electroflocculation process for the treatment of veterinary pharmaceutical wastewater in a hybrid reactor. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101597	6.7	7
36	Emission characteristics of odorous volatile sulfur compound from a full-scale sequencing batch reactor wastewater treatment plant. <i>Science of the Total Environment</i> , 2021 , 776, 145991	10.2	7

35	Effect of Phosphate Loading on the Generation of Extracellular Organic Matters of Microcystis Aeruginosa and Its Derived Disinfection By-Products. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	6
34	Degradation of N-nitrosodimethylamine (NDMA) in water by UV/O3 2009 , 58, 135-145		6
33	A CuMn2O4/g-C3N4 catalytic ozonation membrane reactor used for water purification: Membrane fabrication and performance evaluation. <i>Separation and Purification Technology</i> , 2021 , 265, 118268	8.3	6
32	Synchronous degradation of aqueous benzotriazole and bromate reduction in catalytic ozonation: Effect of matrix factor, degradation mechanism and application strategy in water treatment. <i>Science of the Total Environment</i> , 2020 , 727, 138696	10.2	6
31	How do urban rainfall-runoff pollution control technologies develop in China? A systematic review based on bibliometric analysis and literature summary. <i>Science of the Total Environment</i> , 2021 , 789, 148	0 ¹ 0.2	6
30	The formation of haloacetamides, as an emerging class of N-DBPs, from chlor(am)ination of algal organic matter extracted from Microcystis aeruginosa, Scenedesmus quadricauda and Nitzschia palea. <i>RSC Advances</i> , 2017 , 7, 7679-7687	3.7	5
29	Effect of Al species of polyaluminum chlorides on floc breakage and re-growth process: Dynamic evolution of floc properties, dissolved organic matter and dissolved Al. <i>Chemosphere</i> , 2020 , 249, 126449	9 ^{8.4}	5
28	Adsorption kinetics of benzotriazole and its derivatives by nano Zn-Al-O. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 7272-8	1.3	5
27	Formation of aldehyde during ozonation of taste and odour compounds in water 2013 , 62, 120-128		5
26	The efficiency and mechanism of the degradation of nitrobenzene in aqueous solution by O3/H2O2. Water Science and Technology: Water Supply, 2006 , 6, 153-162	1.4	5
25	SO4Ebased catalytic ceramic UF membrane for organics removal and flux restoration. <i>Chemical Engineering Journal</i> , 2020 , 398, 125600	14.7	5
24	Treatment of leachate through constructed wetlands using in combination with catalytic ozonation on Fe-zeolite A. <i>International Journal of Phytoremediation</i> , 2021 , 23, 809-817	3.9	5
23	FeS/carbon felt as an efficient electro-Fenton cathode for carbamazepine degradation and detoxification: In-depth discussion of reaction contribution and empirical kinetic model. <i>Environmental Pollution</i> , 2021 , 282, 117023	9.3	5
22	Catalyzed Ozonation Decomposition of Taste and Odor-Causing Substances in Water and Simultaneous Control of Aldehyde Generation. <i>Environmental Engineering Science</i> , 2012 , 29, 580-589	2	4
21	The efficiency and mechanism of Ealumina catalytic ozonation of 2-methylisoborneol in drinking water. <i>Water Science and Technology: Water Supply</i> , 2006 , 6, 43-51	1.4	4
20	Combined Iron-Loaded Zeolites and Ozone-Based Process for the Purification of Drinking Water in a Novel Hybrid Reactor: Removal of Faecal Coliforms and Arsenic. <i>Catalysts</i> , 2021 , 11, 373	4	4
19	Occurrence and risk assessment of volatile halogenated disinfection by-products in an urban river supplied by reclaimed wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 211, 111912	7	4
18	Emission characteristics and assessment of odors from sludge anaerobic digestion with thermal hydrolysis pretreatment in a wastewater treatment plant. <i>Environmental Pollution</i> , 2021 , 274, 116516	9.3	4

LIST OF PUBLICATIONS

17	Reaction Mechanism of 2-Methylisoborneol and 2,4,6-Trichloroanisole in Catalytic Ozonation by EAlOOH: Role of Adsorption. <i>Clean - Soil, Air, Water</i> , 2016 , 44, 1099-1105	1.6	4
16	Heating activated red mud catalytic ozonation for degradation nitrobenzene from aqueous solution: performance and influence of preparation factors. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6984-90	1.3	3
15	Occurrence and risk assessment of heavy metals in an urban river supplied by reclaimed wastewater. <i>Water Environment Research</i> , 2020 , 92, 1888-1898	2.8	3
14	Volatile sulfur compound emissions and health risk assessment from an A/O wastewater treatment plant. <i>Science of the Total Environment</i> , 2021 , 794, 148741	10.2	3
13	Energy-efficient removal of carbamazepine in solution by electrocoagulation-electrofenton using a novel P-rGO cathode <i>Journal of Environmental Sciences</i> , 2022 , 115, 88-102	6.4	3
12	Comparison on Reduction of VOCs Emissions from Radiata Pine (Don) between Sodium Bicarbonate and Ozone Treatments. <i>Molecules</i> , 2020 , 25,	4.8	2
11	AuthorsSresponse to comments on "Inhibiting the regeneration of N-nitrosodimethylamine in drinking water by UV photolysis combined with ozonation" by F. Xiao. <i>Journal of Hazardous Materials</i> , 2010 , 177, 1167-9	12.8	2
10	Catalytic ozonation for the removal of reactive black 5 (RB-5) dye using zeolites modified with CuMnO/gCN in a synergic electro flocculation-catalytic ozonation process. <i>Water Science and Technology</i> , 2021 , 84, 1943-1953	2.2	2
9	Dynamic Analysis and Relationship Research on Precipitation and Groundwater Depth in Zhenlai County. IOP Conference Series: Earth and Environmental Science, 2019, 237, 022035	0.3	1
8	A study on the influence of pH changes during catalytic ozonation process on alumina, zeolites and activated carbons for the decolorization of Reactive Red-241. <i>Water Science and Technology</i> , 2021 , 83, 727-738	2.2	1
7	Kinetic study on degradation of micro-organics by different UV-based advanced oxidation processes in EfOM matrix <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
6	Efficient removal of extractives from wood using an ultrasound-activated persulfate treatment strategy. <i>Wood Science and Technology</i> ,1	2.5	O
5	Catalytic ozonation membrane reactor integrated with CuMn2O4/rGO for degradation emerging UV absorbers (BP-4) and fouling in-situ self-cleaning. <i>Separation and Purification Technology</i> , 2021 , 279, 119804	8.3	О
4	Two-dimensional layered carbon-based catalytic ozonation for water purification: Rational design of catalysts and an in-depth understanding of the Interfacial reaction mechanism <i>Science of the Total Environment</i> , 2022 , 832, 155071	10.2	О
3	Novel insights into the interaction reactive components and synergistic fouling mechanisms of ultrafiltration by natural organic matter fractions and kaolin <i>Environmental Research</i> , 2022 , 113285	7.9	О
2	Application of Attapulgite Clay-Based Fe-Zeolite 5A in UV-Assisted Catalytic Ozonation for the Removal of Ciprofloxacin. <i>Journal of Chemistry</i> , 2022 , 2022, 1-10	2.3	Ο
1	Analysis and Fate of Emerging Pollutants during Water Treatment. <i>Journal of Analytical Methods in Chemistry.</i> 2013 . 2013. 256956	2	