

# Fei Qi

## List of Publications by Year in descending order

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110 papers	5,194 citations	93792 39 h-index	104191 69 g-index
114 all docs	114 docs citations	114 times ranked	4483 citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	18
2	Efficient removal of extractives from wood using an ultrasound-activated persulfate treatment strategy. <i>Wood Science and Technology</i> , 2022, 56, 171-186.	1.4	5
3	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, 29, 45314-45327.	2.7	3
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.	3.9	12
5	Highly stable cellulose nanofiber/polyacrylamide aerogel via in-situ physical/chemical double crosslinking for highly efficient Cu(II) ions removal. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1922-1932.	3.6	27
6	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, 212, 113285.	3.7	6
7	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.	0.9	9
8	Treatment of leachate through constructed wetlands using <i>Typha angustifolia</i> in combination with catalytic ozonation on Fe-zeolite A. <i>International Journal of Phytoremediation</i> , 2021, 23, 809-817.	1.7	12
9	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.	10.8	37
10	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.	1.6	13
11	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.	2.9	16
12	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.	3.7	16
13	S-doped TiO <sub>2</sub> 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.	6.6	53
14	Carbonized polyaniline activated peroxydisulfate (PMS) for phenol degradation: Role of PMS adsorption and singlet oxygen generation. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119921.	10.8	264
15	A CuMn <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> catalytic ozonation membrane reactor used for water purification: Membrane fabrication and performance evaluation. <i>Separation and Purification Technology</i> , 2021, 265, 118268.	3.9	28
16	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.	3.9	16
17	FeS <sub>2</sub> /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.	3.7	24
18	Degradation of benzophenone-4 by peroxydisulfate activated with microwave synthesized well-distributed CuBi <sub>2</sub> O <sub>4</sub> microspheres: Theoretical calculation of degradation mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 290, 120048.	10.8	66

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19	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. Chemical Engineering Journal, 2021, 417, 129238.	6.6	113
20	Catalytic ozonation for the removal of reactive black 5 (RB-5) dye using zeolites modified with CuMn <sub>2</sub> O <sub>4</sub> /gC <sub>3</sub> N <sub>4</sub> in a synergic electro flocculation-catalytic ozonation process. Water Science and Technology, 2021, 84, 1943-1953.	1.2	15
21	How do urban rainfall-runoff pollution control technologies develop in China? A systematic review based on bibliometric analysis and literature summary. Science of the Total Environment, 2021, 789, 148045.	3.9	23
22	Volatile sulfur compound emissions and health risk assessment from an A2/O wastewater treatment plant. Science of the Total Environment, 2021, 794, 148741.	3.9	9
23	Catalytic ozonation membrane reactor integrated with CuMn <sub>2</sub> O <sub>4</sub> /rGO for degradation emerging UV absorbers (BP-4) and fouling in-situ self-cleaning. Separation and Purification Technology, 2021, 279, 119804.	3.9	24
24	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. Water Science and Technology, 2021, 83, 727-738.	1.2	8
25	Evaluation of the Removal of Selected Phthalic Acid Esters (PAEs) in Municipal Wastewater Treatment Plants Supported by Constructed Wetlands. Molecules, 2021, 26, 6966.	1.7	9
26	Novel carbon based Fe-Co oxides derived from Prussian blue analogues activating peroxymonosulfate: Refractory drugs degradation without metal leaching. Chemical Engineering Journal, 2020, 379, 122274.	6.6	133
27	Synergistic utilization of inherent halides and alcohols in hydraulic fracturing wastewater for radical-based treatment: A case study of di-(2-ethylhexyl) phthalate removal. Journal of Hazardous Materials, 2020, 384, 121321.	6.5	16
28	Synergic catalytic ozonation and electroflocculation process for the treatment of veterinary pharmaceutical wastewater in a hybrid reactor. Journal of Water Process Engineering, 2020, 38, 101597.	2.6	21
29	Degradation Rhodamine B dye wastewater by sulfate radical-based visible light-fenton mediated by LaFeO <sub>3</sub> : Reaction mechanism and empirical modeling. Journal of the Taiwan Institute of Chemical Engineers, 2020, 111, 162-169.	2.7	26
30	Health impact of odor from on-situ sewage sludge aerobic composting throughout different seasons and during anaerobic digestion with hydrolysis pretreatment. Chemosphere, 2020, 249, 126077.	4.2	26
31	Comparison on Reduction of VOCs Emissions from Radiata Pine (Pinus Radiata D. Don) between Sodium Bicarbonate and Ozone Treatments. Molecules, 2020, 25, 471.	1.7	3
32	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. Chemosphere, 2020, 249, 126449.	4.2	7
33	Effect of the coupling modes on EfOM degradation and fouling mitigation in ozonation-ceramic membrane filtration. Chemical Engineering Journal, 2020, 394, 124935.	6.6	23
34	Occurrence and risk assessment of heavy metals in an urban river supplied by reclaimed wastewater. Water Environment Research, 2020, 92, 1888-1898.	1.3	8
35	Synchronous degradation of aqueous benzotriazole and bromate reduction in catalytic ozonation: Effect of matrix factor, degradation mechanism and application strategy in water treatment. Science of the Total Environment, 2020, 727, 138696.	3.9	13
36	Novel CuCo <sub>2</sub> O <sub>4</sub> Composite Spinel with a Meso-Macroporous Nanosheet Structure for Sulfate Radical Formation and Benzophenone-4 Degradation: Interface Reaction, Degradation Pathway, and DFT Calculation. ACS Applied Materials & Interfaces, 2020, 12, 20522-20535.	4.0	83

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37	SO <sub>4</sub> <sup>2-</sup> -based catalytic ceramic UF membrane for organics removal and flux restoration. Chemical Engineering Journal, 2020, 398, 125600.	6.6	18
38	Role of oxygen vacancies and Mn sites in hierarchical Mn <sub>2</sub> O <sub>3</sub> /LaMnO <sub>3</sub> - $\gamma$ perovskite composites for aqueous organic pollutants decontamination. Applied Catalysis B: Environmental, 2019, 245, 546-554.	10.8	187
39	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.	5.3	38
40	Cyanobacteria derived taste and odor characteristics in various lakes in China: Songhua Lake, Chaohu Lake and Taihu Lake. Ecotoxicology and Environmental Safety, 2019, 181, 499-507.	2.9	33
41	Determination of twenty pharmaceutical contaminants in soil using ultrasound-assisted extraction with gas chromatography-mass spectrometric detection. Chemosphere, 2019, 232, 232-242.	4.2	15
42	Coupling metal-organic frameworks and g-CN to derive Fe@N-doped graphene-like carbon for peroxymonosulfate activation: Upgrading framework stability and performance. Applied Catalysis B: Environmental, 2019, 255, 117763.	10.8	175
43	Catalytic ozonation benefit from the enhancement of electron transfer by the coupling of g-C <sub>3</sub> N <sub>4</sub> and LaCoO <sub>3</sub> : Discussion on catalyst fabrication and electron transfer pathway. Applied Catalysis B: Environmental, 2019, 254, 569-579.	10.8	78
44	Insights into Heteroatom-Doped Graphene for Catalytic Ozonation: Active Centers, Reactive Oxygen Species Evolution, and Catalytic Mechanism. Environmental Science & Technology, 2019, 53, 5337-5348.	4.6	133
45	Odor assessment of NH <sub>3</sub> and volatile sulfide compounds in a full-scale municipal sludge aerobic composting plant. Bioresource Technology, 2019, 282, 447-455.	4.8	49
46	Dynamic Analysis and Relationship Research on Precipitation and Groundwater Depth in Zhenlai County. IOP Conference Series: Earth and Environmental Science, 2019, 237, 022035.	0.2	1
47	Efficiency and mechanism of atenolol decomposition in Co-FeOOH catalytic ozonation. Journal of Hazardous Materials, 2019, 365, 146-154.	6.5	39
48	Insight into OH and O <sub>2</sub> <sup>•-</sup> formation in heterogeneous catalytic ozonation by delocalized electrons and surface oxygen-containing functional groups in layered-structure nanocarbons. Chemical Engineering Journal, 2019, 357, 655-666.	6.6	72
49	Heterogeneous activation of peroxymonosulfate by hierarchical CuBi <sub>2</sub> O <sub>4</sub> to generate reactive oxygen species for refractory organic compounds degradation: morphology and surface chemistry derived reaction and its mechanism. Environmental Science and Pollution Research, 2018, 25, 4419-4434.	2.7	39
50	Synchronously degradation benzotriazole and elimination bromate by perovskite oxides catalytic ozonation: Performance and reaction mechanism. Separation and Purification Technology, 2018, 197, 261-270.	3.9	40
51	Sulfate radical-based photo-Fenton reaction derived by CuBi <sub>2</sub> O <sub>4</sub> and its composites with $\gamma$ -Bi <sub>2</sub> O <sub>3</sub> under visible light irradiation: Catalyst fabrication, performance and reaction mechanism. Applied Catalysis B: Environmental, 2018, 235, 264-273.	10.8	133
52	A novel catalytic ceramic membrane fabricated with CuMn <sub>2</sub> O <sub>4</sub> particles for emerging UV absorbers degradation from aqueous and membrane fouling elimination. Journal of Hazardous Materials, 2018, 344, 1229-1239.	6.5	56
53	Effects of ambient temperature and aeration frequency on emissions of ammonia and greenhouse gases from a sewage sludge aerobic composting plant. Bioresource Technology, 2018, 270, 457-466.	4.8	62
54	The characteristics of organic matter influence its interfacial interactions with MnO <sub>2</sub> and catalytic oxidation processes. Chemosphere, 2018, 209, 950-959.	4.2	17

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55	Emission characteristics of volatile sulfur compounds (VSCs) from a municipal sewage sludge aerobic composting plant. <i>Waste Management</i> , 2018, 77, 593-602.	3.7	38
56	Heterogeneous activation of peroxymonosulfate by LaFeO <sub>3</sub> for diclofenac degradation: DFT-assisted mechanistic study and degradation pathways. <i>Chemical Engineering Journal</i> , 2018, 352, 601-611.	6.6	172
57	Enhancement of Fe@porous carbon to be an efficient mediator for peroxymonosulfate activation for oxidation of organic contaminants: Incorporation NH <sub>2</sub> -group into structure of its MOF precursor. <i>Chemical Engineering Journal</i> , 2018, 354, 835-848.	6.6	129
58	The formation of haloacetamides, as an emerging class of N-DBPs, from chlor(am)ination of algal organic matter extracted from <i>Microcystis aeruginosa</i> , <i>Scenedesmus quadricauda</i> and <i>Nitzschia palea</i> . <i>RSC Advances</i> , 2017, 7, 7679-7687.	1.7	10
59	Facile in-situ design strategy to disperse TiO <sub>2</sub> nanoparticles on graphene for the enhanced photocatalytic degradation of rhodamine 6G. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 208-219.	10.8	160
60	Heterogeneous Fenton-like reactions with a novel hybrid Cu-Mn-O catalyst for the degradation of benzophenone-3 in aqueous media. <i>Comptes Rendus Chimie</i> , 2017, 20, 87-95.	0.2	15
61	Reaction Mechanism of 2-Methylisoborneol and 2,4,6-Trichloroanisole in Catalytic Ozonation by H <sub>2</sub> O <sub>2</sub> : Role of Adsorption. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1099-1105.	0.7	5
62	Sonolytic and sonophotolytic degradation of Carbamazepine: Kinetic and mechanisms. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 371-379.	3.8	61
63	Occurrence of earthy-musty taste and odors in the Taihu Lake, China: spatial and seasonal patterns. <i>RSC Advances</i> , 2016, 6, 79723-79733.	1.7	11
64	Effect of Phosphate Loading on the Generation of Extracellular Organic Matters of <i>Microcystis Aeruginosa</i> and Its Derived Disinfection By-Products. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	10
65	LaCoO <sub>3</sub> 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.	6.6	136
66	Degradation of benzotriazole by a novel Fenton-like reaction with mesoporous Cu/MnO <sub>2</sub> : Combination of adsorption and catalysis oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 447-457.	10.8	206
67	The occurrence of haloanisoles as an emerging odorant in municipal tap water of typical cities in China. <i>Water Research</i> , 2016, 98, 242-249.	5.3	38
68	Degradation of benzophenone-3 by the ozonation in aqueous solution: kinetics, intermediates and toxicity. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7962-7974.	2.7	19
69	Effect of nitrogen/phosphorus concentration on algal organic matter generation of the diatom <i>Nitzschia palea</i> : Total indicators and spectroscopic characterization. <i>Journal of Environmental Sciences</i> , 2016, 47, 130-142.	3.2	10
70	Cerium doped red mud catalytic ozonation for bezafibrate degradation in wastewater: Efficiency, intermediates, and toxicity. <i>Chemosphere</i> , 2016, 146, 22-31.	4.2	44
71	A novel ceramic membrane coated with MnO <sub>2</sub> -Co <sub>3</sub> O <sub>4</sub> nanoparticles catalytic ozonation for benzophenone-3 degradation in aqueous solution: Fabrication, characterization and performance. <i>Chemical Engineering Journal</i> , 2016, 287, 381-389.	6.6	102
72	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.	6.6	65

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73	Comparison of phenacetin degradation in aqueous solutions by catalytic ozonation with CuFe <sub>2</sub> O <sub>4</sub> and its precursor: Surface properties, intermediates and reaction mechanisms. Chemical Engineering Journal, 2016, 284, 28-36.	6.6	66
74	Ozonation of phenacetin in associated with a magnetic catalyst CuFe <sub>2</sub> O <sub>4</sub> : The reaction and transformation. Chemical Engineering Journal, 2015, 262, 552-562.	6.6	102
75	Heterogeneous catalytic ozonation of phenacetin in water using magnetic spinel ferrite as catalyst: Comparison of surface property and efficiency. Journal of Molecular Catalysis A, 2015, 396, 164-173.	4.8	58
76	Removal Performance and Mechanism of Ibuprofen from Water by Catalytic Ozonation Using Sludge-Corncob Activated Carbon as Catalyst. Journal of Nanoscience and Nanotechnology, 2014, 14, 7266-7271.	0.9	8
77	Heating Activated Red Mud Catalytic Ozonation for Degradation Nitrobenzene from Aqueous Solution: Performance and Influence of Preparation Factors. Journal of Nanoscience and Nanotechnology, 2014, 14, 6984-6990.	0.9	4
78	Degradation of bezafibrate in wastewater by catalytic ozonation with cobalt doped red mud: Efficiency, intermediates and toxicity. Applied Catalysis B: Environmental, 2014, 152-153, 342-351.	10.8	48
79	Modeling the heterogeneous peroxymonosulfate/Co-MCM41 process for the degradation of caffeine and the study of influence of cobalt sources. Chemical Engineering Journal, 2014, 235, 10-18.	6.6	218
80	Adsorption Kinetics of Benzotriazole and Its Derivatives by Nano ZnO-Al <sub>2</sub> O <sub>3</sub> . Journal of Nanoscience and Nanotechnology, 2014, 14, 7272-7278.	0.9	6
81	Facile synthesis of snowflake-like ZnO nanostructures at low temperature and their super catalytic activity for the ozone decomposition. Materials Research Bulletin, 2013, 48, 1725-1727.	2.7	17
82	Catalytic degradation of caffeine in aqueous solutions by cobalt-MCM41 activation of peroxymonosulfate. Applied Catalysis B: Environmental, 2013, 134-135, 324-332.	10.8	150
83	Influencing factors and degradation products of antipyrine chlorination in water with free chlorine. Journal of Environmental Sciences, 2013, 25, 77-84.	3.2	29
84	Catalytic ozonation of 2-isopropyl-3-methoxypyrazine in water by $\gamma$ -AlOOH and $\gamma$ -Al <sub>2</sub> O <sub>3</sub> : Comparison of removal efficiency and mechanism. Chemical Engineering Journal, 2013, 219, 527-536.	6.6	71
85	Reaction kinetics and transformation of antipyrine chlorination with free chlorine. Water Research, 2013, 47, 2830-2842.	5.3	49
86	N <sub>2</sub> O emission from full-scale urban wastewater treatment plants: a comparison between A <sub>2</sub> O and SBR. Water Science and Technology, 2013, 67, 1887-1893.	1.2	28
87	Self-Doped Rutile Titania with High Performance for Direct and Ultrafast Assay of H <sub>2</sub> O <sub>2</sub> . ACS Applied Materials & Interfaces, 2013, 5, 12784-12788.	4.0	30
88	Formation of aldehyde during ozonation of taste and odour compounds in water. Journal of Water Supply: Research and Technology - AQUA, 2013, 62, 120-128.	0.6	8
89	Analysis and Fate of Emerging Pollutants during Water Treatment. Journal of Analytical Methods in Chemistry, 2013, 2013, 1-1.	0.7	0
90	Catalyzed Ozonation Decomposition of Taste and Odor-Causing Substances in Water and Simultaneous Control of Aldehyde Generation. Environmental Engineering Science, 2012, 29, 580-589.	0.8	7



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91	Comparison of the efficiency and mechanism of catalytic ozonation of 2,4,6-trichloroanisole by iron and manganese modified bauxite. Applied Catalysis B: Environmental, 2012, 121-122, 171-181.	10.8	60
92	Study on Roadside Air Pollution Caused by BTEX Compounds in Beijing. , 2010, , .		0
93	Mechanism investigation of catalyzed ozonation of 2-methylisoborneol in drinking water over aluminum (hydroxyl) oxides: Role of surface hydroxyl group. Chemical Engineering Journal, 2010, 165, 490-499.	6.6	51
94	Authors'™ response to comments on "Inhibiting the regeneration of N-nitrosodimethylamine in drinking water by UV photolysis combined with ozonation" by F. Xiao. Journal of Hazardous Materials, 2010, 177, 1167-1169.	6.5	2
95	Comparison of N-nitrosodiethylamine degradation in water by UV irradiation and UV/O3: Efficiency, product and mechanism. Journal of Hazardous Materials, 2010, 179, 976-982.	6.5	41
96	Factors influencing the photodegradation of N-nitrosodimethylamine in drinking water. Frontiers of Environmental Science and Engineering in China, 2009, 3, 91-97.	0.8	24
97	Inhibiting the regeneration of N-nitrosodimethylamine in drinking water by UV photolysis combined with ozonation. Journal of Hazardous Materials, 2009, 168, 108-114.	6.5	33
98	Ozonation catalyzed by the raw bauxite for the degradation of 2,4,6-trichloroanisole in drinking water. Journal of Hazardous Materials, 2009, 168, 246-252.	6.5	65
99	Influence of aluminum oxides surface properties on catalyzed ozonation of 2,4,6-trichloroanisole. Separation and Purification Technology, 2009, 66, 405-410.	3.9	83
100	Rapid degradation of new disinfection by-products in drinking water by UV irradiation: N-Nitrosopyrrolidine and N-nitrosopiperidine. Separation and Purification Technology, 2009, 69, 126-133.	3.9	22
101	Degradation of N-nitrosodimethylamine (NDMA) in water by UV/O3. Journal of Water Supply: Research and Technology - AQUA, 2009, 58, 135-145.	0.6	9
102	Catalytic Ozonation for Degradation of 2, 4, 6-trichloroanisole in Drinking Water in the Presence of $\text{H}_2\text{O}_2$ . Water Environment Research, 2009, 81, 592-597.	1.3	18
103	Efficiency and Products Investigations on the Ozonation of 2-Methylisoborneol in Drinking Water. Water Environment Research, 2009, 81, 2411-2419.	1.3	37
104	Photodegradation of N-nitrosodiethylamine in water with UV irradiation. Science Bulletin, 2008, 53, 3395-3401.	4.3	12
105	Kinetics and mechanism of degradation of p-chloronitrobenzene in water by ozonation. Journal of Hazardous Materials, 2008, 152, 1325-1331.	6.5	109
106	Influence of surface texture and acid-base properties on ozone decomposition catalyzed by aluminum (hydroxyl) oxides. Applied Catalysis B: Environmental, 2008, 84, 684-690.	10.8	100
107	Degradation of 2-methylisoborneol in drinking water by bauxite catalyzed ozonation. Journal of Water Supply: Research and Technology - AQUA, 2008, 57, 427-434.	0.6	11
108	The efficiency and mechanism of $\gamma$ -alumina catalytic ozonation of 2-methylisoborneol in drinking water. Water Science and Technology: Water Supply, 2006, 6, 43-51.	1.0	6

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109	The efficiency and mechanism of the degradation of nitrobenzene in aqueous solution by O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> . Water Science and Technology: Water Supply, 2006, 6, 153-162.	1.0	7
110	UV-irradiated fly ash-catalyzed Fenton-type process for the removal of paracetamol in wastewater: nickel, copper, and manganese as active sites. , 0, 215, 160-166.		3