

# Hui Zhang

## List of Publications by Year in descending order

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167  
papers

15,224  
citations

12328

69  
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19188

118  
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169  
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169  
docs citations

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times ranked

9153  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous Degradation of Organic Pollutants by Persulfate Activated by CuO-Fe <sub>3</sub> O <sub>4</sub> : Mechanism, Stability, and Effects of pH and Bicarbonate Ions. Environmental Science & Technology, 2015, 49, 6838-6845.	10.0	619
2	The Intrinsic Nature of Persulfate Activation and N-Doping in Carbocatalysis. Environmental Science & Technology, 2020, 54, 6438-6447.	10.0	536
3	The mechanism of degradation of bisphenol A using the magnetically separable CuFe <sub>2</sub> O <sub>4</sub> /peroxymonosulfate heterogeneous oxidation process. Journal of Hazardous Materials, 2016, 309, 87-96.	12.4	525
4	Accelerated photocatalytic degradation of organic pollutant over metal-organic framework MIL-53(Fe) under visible LED light mediated by persulfate. Applied Catalysis B: Environmental, 2017, 202, 165-174.	20.2	472
5	Activation of Peroxydisulfate on Carbon Nanotubes: Electron-Transfer Mechanism. Environmental Science & Technology, 2019, 53, 14595-14603.	10.0	464
6	Ultrasound enhanced heterogeneous activation of peroxymonosulfate by a bimetallic Fe-Co/SBA-15 catalyst for the degradation of Orange II in water. Journal of Hazardous Materials, 2015, 283, 70-79.	12.4	456
7	Insights into the Electron-Transfer Regime of Peroxydisulfate Activation on Carbon Nanotubes: The Role of Oxygen Functional Groups. Environmental Science & Technology, 2020, 54, 1267-1275.	10.0	452
8	Origins of Electron-Transfer Regime in Persulfate-Based Nonradical Oxidation Processes. Environmental Science & Technology, 2022, 56, 78-97.	10.0	445
9	Visible light-assisted heterogeneous Fenton with ZnFe <sub>2</sub> O <sub>4</sub> for the degradation of Orange II in water. Applied Catalysis B: Environmental, 2016, 182, 456-468.	20.2	369
10	Optimization of Fenton process for the treatment of landfill leachate. Journal of Hazardous Materials, 2005, 125, 166-174.	12.4	342
11	Electrocatalytic destruction of the antibiotic tetracycline in aqueous medium by electrochemical advanced oxidation processes: Effect of electrode materials. Applied Catalysis B: Environmental, 2013, 140-141, 92-97.	20.2	304
12	Removal of COD from landfill leachate by electro-Fenton method. Journal of Hazardous Materials, 2006, 135, 106-111.	12.4	257
13	Application of response surface methodology to the removal of the antibiotic tetracycline by electrochemical process using carbon-felt cathode and DSA (Ti/RuO <sub>2</sub> -IrO <sub>2</sub> ) anode. Chemosphere, 2012, 87, 614-620.	8.2	249
14	Ultrasound enhanced heterogeneous activation of peroxydisulfate by magnetite catalyst for the degradation of tetracycline in water. Separation and Purification Technology, 2012, 84, 147-152.	7.9	233
15	Degradation of 4-nitrophenol in aqueous medium by electro-Fenton method. Journal of Hazardous Materials, 2007, 145, 227-232.	12.4	225
16	Ultrasound-assisted heterogeneous Fenton-like degradation of tetracycline over a magnetite catalyst. Journal of Hazardous Materials, 2016, 302, 458-467.	12.4	225
17	Degradation of Acid Orange 7 by persulfate activated with zero valent iron in the presence of ultrasonic irradiation. Separation and Purification Technology, 2014, 122, 41-46.	7.9	185
18	Electrochemical enhanced heterogeneous activation of peroxydisulfate by Fe-Co/SBA-15 catalyst for the degradation of Orange II in water. Water Research, 2014, 66, 473-485.	11.3	183

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19	Degradation of Acid Orange 7 in aqueous solution by a novel electro/Fe <sup>2+</sup> /peroxydisulfate process. <i>Journal of Hazardous Materials</i> , 2012, 215-216, 138-145.	12.4	173
20	Occurrence and Removal of Organic Micropollutants in Landfill Leachates Treated by Electrochemical Advanced Oxidation Processes. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12187-12196.	10.0	167
21	Degradation of clofibrac acid in aqueous solution by an EC/Fe <sup>3+</sup> /PMS process. <i>Chemical Engineering Journal</i> , 2014, 244, 514-521.	12.7	164
22	Removal of Rhodamine B with Fe-supported bentonite as heterogeneous photo-Fenton catalyst under visible irradiation. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 29-36.	20.2	164
23	The mechanism and efficiency of MnO <sub>2</sub> activated persulfate process coupled with electrolysis. <i>Science of the Total Environment</i> , 2017, 609, 644-654.	8.0	161
24	Degradation of C. I. Acid Orange 7 in aqueous solution by a novel electro/Fe <sub>3</sub> O <sub>4</sub> /PDS process. <i>Journal of Hazardous Materials</i> , 2014, 276, 182-191.	12.4	154
25	Enhanced persulfate-mediated photocatalytic oxidation of bisphenol A using bioelectricity and a g-C <sub>3</sub> N <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> heterojunction. <i>Chemical Engineering Journal</i> , 2019, 359, 933-943.	12.7	154
26	Degradation of tetracycline in aqueous media by ozonation in an internal loop-lift reactor. <i>Journal of Hazardous Materials</i> , 2011, 192, 35-43.	12.4	150
27	Degradation of C.I. Acid Orange 7 by ultrasound enhanced heterogeneous Fenton-like process. <i>Journal of Hazardous Materials</i> , 2009, 172, 654-660.	12.4	149
28	Understanding oxygen-deficient La <sub>2</sub> CuO <sub>4</sub> - $\delta$ perovskite activated peroxymonosulfate for bisphenol A degradation: The role of localized electron within oxygen vacancy. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119732.	20.2	148
29	Insights into the mechanism of heterogeneous activation of persulfate with a clay/iron-based catalyst under visible LED light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 185, 22-30.	20.2	144
30	Degradation of bisphenol A in aqueous solution by a novel electro/Fe <sup>3+</sup> /peroxydisulfate process. <i>Separation and Purification Technology</i> , 2013, 117, 18-23.	7.9	141
31	Mesoporous silica iron-doped as stable and efficient heterogeneous catalyst for the degradation of C.I. Acid Orange 7 using sonoacoustic photo-Fenton process. <i>Separation and Purification Technology</i> , 2011, 80, 163-171.	7.9	139
32	Catalytic oxidation of clofibrac acid by peroxydisulfate activated with wood-based biochar: Effect of biochar pyrolysis temperature, performance and mechanism. <i>Chemical Engineering Journal</i> , 2019, 374, 1253-1263.	12.7	139
33	Heterogeneous photo-Fenton decolorization of Orange II over Al-pillared Fe-smectite: Response surface approach, degradation pathway, and toxicity evaluation. <i>Journal of Hazardous Materials</i> , 2015, 287, 32-41.	12.4	135
34	Degradation of bisphenol A by activating peroxymonosulfate with Mn <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> fabricated from spent Zn-Mn alkaline batteries. <i>Chemical Engineering Journal</i> , 2019, 364, 541-551.	12.7	128
35	Removal of COD from landfill leachate by an electro/Fe <sup>2+</sup> /peroxydisulfate process. <i>Chemical Engineering Journal</i> , 2014, 250, 76-82.	12.7	125
36	Goethite as an efficient heterogeneous Fenton catalyst for the degradation of methyl orange. <i>Catalysis Today</i> , 2015, 252, 107-112.	4.4	125

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37	Degradation of C.I. Acid Orange 7 by the advanced Fenton process in combination with ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 325-330.	8.2	121
38	Degradation of Crystal Violet by catalytic ozonation using Fe/activated carbon catalyst. <i>Separation and Purification Technology</i> , 2015, 147, 179-185.	7.9	121
39	The use of ultrasound to enhance the decolorization of the C.I. Acid Orange 7 by zero-valent iron. <i>Dyes and Pigments</i> , 2005, 65, 39-43.	3.7	119
40	Degradation of Toluene by a Selective Ferrous Ion Activated Persulfate Oxidation Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 1033-1039.	3.7	109
41	Evaluation of electro-oxidation of biologically treated landfill leachate using response surface methodology. <i>Journal of Hazardous Materials</i> , 2011, 188, 261-268.	12.4	107
42	Selective Synthesis of Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> Nanowires Via a Single Precursor: A General Method for Metal Oxide Nanowires. <i>Nanoscale Research Letters</i> , 2010, 5, 1295-1300.	5.7	105
43	A Site Distance Effect Induced by Reactant Molecule Matchup in Single-Atom Catalysts for Fenton-Like Reactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	105
44	Mineralization of sucralose by UV-based advanced oxidation processes: UV/PDS versus UV/H <sub>2</sub> O <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2016, 285, 392-401.	12.7	104
45	Application of response surface methodology to the treatment landfill leachate in a three-dimensional electrochemical reactor. <i>Waste Management</i> , 2010, 30, 2096-2102.	7.4	102
46	Decolorization of methyl orange by ozonation in combination with ultrasonic irradiation. <i>Journal of Hazardous Materials</i> , 2006, 138, 53-59.	12.4	101
47	Modulating the copper oxide morphology and accessibility by using micro-/mesoporous SBA-15 structures as host support: Effect on the activity for the CWPO of phenol reaction. <i>Applied Catalysis B: Environmental</i> , 2012, 121-122, 123-134.	20.2	98
48	Electro-Fenton removal of Orange II in a divided cell: Reaction mechanism, degradation pathway and toxicity evolution. <i>Separation and Purification Technology</i> , 2014, 122, 533-540.	7.9	97
49	Shape-controlled nanostructured magnetite-type materials as highly efficient Fenton catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 739-749.	20.2	95
50	Ultrasound-enhanced magnetite catalytic ozonation of tetracycline in water. <i>Chemical Engineering Journal</i> , 2013, 229, 577-584.	12.7	94
51	Visible light enhanced heterogeneous photo-degradation of Orange II by zinc ferrite (ZnFe <sub>2</sub> O <sub>4</sub> ) catalyst with the assistance of persulfate. <i>Separation and Purification Technology</i> , 2016, 165, 42-52.	7.9	94
52	Treatment of landfill leachate by Fenton's reagent in a continuous stirred tank reactor. <i>Journal of Hazardous Materials</i> , 2006, 136, 618-623.	12.4	93
53	Rapid and continuous oxidation of organic contaminants with ascorbic acid and a modified ferric/persulfate system. <i>Chemical Engineering Journal</i> , 2015, 270, 73-79.	12.7	92
54	Hydroxyl radical dominated elimination of plasticizers by peroxymonosulfate on metal-free boron: Kinetics and mechanisms. <i>Water Research</i> , 2020, 186, 116361.	11.3	92

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55	Multivariate approach to the Fenton process for the treatment of landfill leachate. <i>Journal of Hazardous Materials</i> , 2009, 161, 1306-1312.	12.4	90
56	Efficient degradation of clofibric acid by electro-enhanced peroxydisulfate activation with Fe-Cu/SBA-15 catalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 230, 1-10.	20.2	90
57	Wood-based biochar as an excellent activator of peroxydisulfate for Acid Orange 7 decolorization. <i>Chemosphere</i> , 2019, 231, 32-40.	8.2	90
58	Peroxymonosulfate activated with waste battery-based Mn-Fe oxides for pollutant removal: Electron transfer mechanism, selective oxidation and LFER analysis. <i>Chemical Engineering Journal</i> , 2020, 394, 124864.	12.7	90
59	Ozonation combined with ultrasound for the degradation of tetracycline in a rectangular air-lift reactor. <i>Separation and Purification Technology</i> , 2012, 84, 138-146.	7.9	89
60	Oxygen-defective MnO <sub>2</sub> x rattle-type microspheres mediated singlet oxygen oxidation of organics by peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2020, 394, 124458.	12.7	89
61	Degradation of Acid Orange 7 using peroxymonosulfate catalyzed by granulated activated carbon and enhanced by electrolysis. <i>Chemosphere</i> , 2017, 188, 139-147.	8.2	86
62	Mechanism and kinetics of catalytic ozonation for elimination of organic compounds with spinel-type CuAl <sub>2</sub> O <sub>4</sub> and its precursor. <i>Science of the Total Environment</i> , 2019, 651, 2585-2596.	8.0	82
63	Oxidation of organic contaminant in a self-driven electro/natural maghemite/peroxydisulfate system: Efficiency and mechanism. <i>Science of the Total Environment</i> , 2017, 599-600, 1181-1190.	8.0	81
64	Sulfur-replaced Fenton systems: can sulfate radical substitute hydroxyl radical for advanced oxidation technologies?. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 775-779.	3.2	80
65	Ultrasound enhanced catalytic ozonation of tetracycline in a rectangular air-lift reactor. <i>Catalysis Today</i> , 2011, 175, 283-292.	4.4	78
66	Remediation of phenanthrene contaminated soil by coupling soil washing with Tween 80, oxidation using the UV/S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> process and recycling of the surfactant. <i>Chemical Engineering Journal</i> , 2019, 369, 1014-1023.	12.7	75
67	Degradation of Acid Orange 7 by an ultrasound/ZnO-GAC/persulfate process. <i>Separation and Purification Technology</i> , 2018, 194, 181-187.	7.9	73
68	Degradation of Orange II by UV-Assisted Advanced Fenton Process: Response Surface Approach, Degradation Pathway, and Biodegradability. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 15560-15567.	3.7	71
69	Ultrasound enhanced heterogeneous activation of peroxydisulfate by bimetallic Fe-Co/GAC catalyst for the degradation of Acid Orange 7 in water. <i>Journal of Environmental Sciences</i> , 2014, 26, 1267-1273.	6.1	71
70	Degradation of tetracycline in aqueous medium by electrochemical method. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2009, 4, 568-573.	1.5	70
71	Electro-assisted heterogeneous activation of persulfate by Fe/SBA-15 for the degradation of Orange II. <i>Journal of Hazardous Materials</i> , 2016, 313, 209-218.	12.4	70
72	Surfactant flushing remediation of toluene contaminated soil: Optimization with response surface methodology and surfactant recovery by selective oxidation with sulfate radicals. <i>Separation and Purification Technology</i> , 2013, 118, 612-619.	7.9	67

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73	Electro-Fenton treatment of mature landfill leachate in a continuous flow reactor. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 259-266.	12.4	66
74	The UV/peroxymonosulfate process for the mineralization of artificial sweetener sucralose. <i>Chemical Engineering Journal</i> , 2017, 317, 561-569.	12.7	66
75	Iron modified bentonite: Enhanced adsorption performance for organic pollutant and its regeneration by heterogeneous visible light photo-Fenton process at circumneutral pH. <i>Journal of Hazardous Materials</i> , 2016, 302, 105-113.	12.4	65
76	Treatment of landfill leachate using electrochemically assisted UV/chlorine process: Effect of operating conditions, molecular weight distribution and fluorescence EEM-PARAFAC analysis. <i>Chemical Engineering Journal</i> , 2016, 286, 508-516.	12.7	64
77	Fe/N-codoped carbocatalysts loaded on carbon cloth (CC) for activating peroxymonosulfate (PMS) to degrade methyl orange dyes. <i>Applied Surface Science</i> , 2021, 549, 149300.	6.1	64
78	Properties of iron-based mesoporous silica for the CWPO of phenol: A comparison between impregnation and co-condensation routes. <i>Journal of Hazardous Materials</i> , 2009, 172, 1175-1184.	12.4	63
79	Oxidation and coagulation removal of COD from landfill leachate by Fenton process. <i>Chemical Engineering Journal</i> , 2012, 210, 188-194.	12.7	62
80	Removal of sulfamethoxazole from aqueous solution by sono-ozonation in the presence of a magnetic catalyst. <i>Separation and Purification Technology</i> , 2013, 117, 46-52.	7.9	59
81	Natural Fe-bearing manganese ore facilitating bioelectro-activation of peroxymonosulfate for bisphenol A oxidation. <i>Chemical Engineering Journal</i> , 2018, 354, 1120-1131.	12.7	59
82	Degradation of C.I. Acid Orange 7 by ultrasound enhanced ozonation in a rectangular air-lift reactor. <i>Chemical Engineering Journal</i> , 2008, 138, 231-238.	12.7	56
83	Degradation of C.I. Acid Orange 7 by heterogeneous Fenton oxidation in combination with ultrasonic irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 970-977.	3.2	55
84	Selective decolorization of cationic dyes by peroxymonosulfate: non-radical mechanism and effect of chloride. <i>RSC Advances</i> , 2016, 6, 866-871.	3.6	55
85	Performance of artificial sweetener sucralose mineralization via UV/O <sub>3</sub> process: Kinetics, toxicity and intermediates. <i>Chemical Engineering Journal</i> , 2018, 353, 626-634.	12.7	53
86	Activation of peroxymonosulfate by sewage sludge biochar-based catalyst for efficient removal of bisphenol A: Performance and mechanism. <i>Separation and Purification Technology</i> , 2021, 272, 118909.	7.9	50
87	Degradation of the azo dye Orange G in a fluidized bed reactor using iron oxide as a heterogeneous photo-Fenton catalyst. <i>RSC Advances</i> , 2015, 5, 45276-45283.	3.6	48
88	Removal of artificial sweetener aspartame from aqueous media by electrochemical advanced oxidation processes. <i>Chemosphere</i> , 2017, 167, 220-227.	8.2	47
89	Persulfate enhanced photocatalytic degradation of bisphenol A over wasted batteries-derived ZnFe <sub>2</sub> O <sub>4</sub> under visible light. <i>Journal of Cleaner Production</i> , 2020, 276, 124246.	9.3	46
90	Persulfate activation by Fe(III) with bioelectricity at acidic and near-neutral pH regimes: Homogeneous versus heterogeneous mechanism. <i>Journal of Hazardous Materials</i> , 2019, 374, 92-100.	12.4	45

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91	Photocatalytic reduction of U(VI) in wastewater by mGO/g-C3N4 nanocomposite under visible LED light irradiation. <i>Chemosphere</i> , 2020, 254, 126671.	8.2	45
92	Degradation of clofibrac acid by UV, O3 and UV/O3 processes: Performance comparison and degradation pathways. <i>Journal of Hazardous Materials</i> , 2019, 379, 120771.	12.4	44
93	Degradation of bisphenol A by electro-enhanced heterogeneous activation of peroxydisulfate using Mn-Zn ferrite from spent alkaline Zn-Mn batteries. <i>Chemosphere</i> , 2018, 204, 178-185.	8.2	42
94	Hierarchical porous $\gamma$ -MnO <sub>2</sub> from perovskite precursor: Application to the formaldehyde total oxidation. <i>Chemical Engineering Journal</i> , 2020, 388, 124146.	12.7	42
95	La <sub>1-x</sub> (Sr, Na, K) <sub>x</sub> MnO <sub>3</sub> perovskites for HCHO oxidation: The role of oxygen species on the catalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 287, 119955.	20.2	42
96	Absorption kinetics of ozone in water with ultrasonic radiation. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 552-556.	8.2	41
97	Effect of a solar Fered-Fenton system using a recirculation reactor on biologically treated landfill leachate. <i>Journal of Hazardous Materials</i> , 2016, 319, 51-60.	12.4	41
98	Co/Sm-modified Ti/PbO <sub>2</sub> anode for atrazine degradation: Effective electrocatalytic performance and degradation mechanism. <i>Chemosphere</i> , 2021, 268, 128799.	8.2	41
99	Hydronium jarosite activation of peroxymonosulfate for the oxidation of organic contaminant in an electrochemical reactor driven by microbial fuel cell. <i>Journal of Hazardous Materials</i> , 2017, 333, 358-368.	12.4	40
100	Mineralization of pentachlorophenol by ferrioxalate-assisted solar photo-Fenton process at mild pH. <i>Chemosphere</i> , 2019, 217, 475-482.	8.2	38
101	Decolorisation and mineralisation of CI Reactive Black 8 by the Fenton and ultrasound/Fenton methods. <i>Coloration Technology</i> , 2007, 123, 101-105.	1.5	37
102	Degradation of artificial sweetener saccharin in aqueous medium by electrochemically generated hydroxyl radicals. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4442-4453.	5.3	37
103	Removal of COD from landfill leachate by advanced Fenton process combined with electrolysis. <i>Separation and Purification Technology</i> , 2019, 208, 3-11.	7.9	37
104	Electro-enhanced heterogeneous activation of peroxymonosulfate via acceleration of Fe(III)/Fe(II) redox cycle on Fe-B catalyst. <i>Electrochimica Acta</i> , 2021, 377, 138073.	5.2	37
105	Cold incineration of sucralose in aqueous solution by electro-Fenton process. <i>Separation and Purification Technology</i> , 2017, 173, 218-225.	7.9	36
106	Selective adsorption of phenanthrene dissolved in Tween 80 solution using activated carbon derived from walnut shells. <i>Chemosphere</i> , 2018, 208, 951-959.	8.2	33
107	Heterogeneous degradation of organic contaminant by peroxydisulfate catalyzed by activated carbon cloth. <i>Chemosphere</i> , 2020, 238, 124611.	8.2	33
108	Enhanced visible-light photocatalysis of clofibrac acid using graphitic carbon nitride modified by cerium oxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2021, 405, 124204.	12.4	33

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109	In situ ozonation of anthracene in unsaturated porous media. <i>Journal of Hazardous Materials</i> , 2005, 120, 143-148.	12.4	32
110	Mineralization of bisphenol A by photo-Fenton-like process using a waste iron oxide catalyst in a three-phase fluidized bed reactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 68-73.	5.3	31
111	Comparative study of electrochemical oxidation of herbicide 2,4,5-T: Kinetics, parametric optimization and mineralization pathway. <i>Sustainable Environment Research</i> , 2017, 27, 15-23.	4.2	31
112	Efficient removal of bisphenol A with activation of peroxydisulfate via electrochemically assisted Fe(III)-nitrilotriacetic acid system under neutral condition. <i>Journal of Hazardous Materials</i> , 2021, 403, 123874.	12.4	30
113	Treatment of organosilicon wastewater by UV-based advanced oxidation processes: Performance comparison and fluorescence parallel factor analysis. <i>Chemical Engineering Journal</i> , 2020, 380, 122536.	12.7	29
114	Decolorisation of CI Reactive Black 8 by zero-valent iron powder with/without ultrasonic irradiation. <i>Coloration Technology</i> , 2007, 123, 203-208.	1.5	28
115	Phenanthrene degradation using Fe(III)-EDDS photoactivation under simulated solar light: A model for soil washing effluent treatment. <i>Chemosphere</i> , 2019, 236, 124366.	8.2	28
116	The removal of azo dye from aqueous solution by oxidation with peroxydisulfate in the presence of granular activated carbon: Performance, mechanism and reusability. <i>Chemosphere</i> , 2020, 259, 127400.	8.2	28
117	Remediation of Cu-phenanthrene co-contaminated soil by soil washing and subsequent photoelectrochemical process in presence of persulfate. <i>Journal of Hazardous Materials</i> , 2020, 400, 123111.	12.4	28
118	Removal of ammonium from municipal landfill leachate using natural zeolites. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2919-2923.	2.2	27
119	Electro-enhanced goethite activation of peroxydisulfate for the decolorization of Orange II at neutral pH: Efficiency, stability and mechanism. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 390-398.	5.3	26
120	Statistical Experiment Design Approach for the Treatment of Landfill Leachate by Photoelectro-Fenton Process. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 278-285.	1.4	25
121	Design of nanocrystalline mixed oxides with improved oxygen mobility: a simple non-aqueous route to nano-LaFeO <sub>3</sub> and the consequences on the catalytic oxidation performances. <i>Chemical Communications</i> , 2013, 49, 4923.	4.1	25
122	Selective oxidative degradation of toluene for the recovery of surfactant by an electro/Fe <sup>2+</sup> /persulfate process. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11606-11616.	5.3	25
123	Surfactant-Free Solvothermal Synthesis of 3D Flowerlike Iron Alkoxide (Fe-EG) Micro/Nanostructures: Structure, Formation Mechanism, and Fenton Oxidation of Azo Dyes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 11684-11696.	3.7	25
124	Decolorization of Crystal Violet by ultrasound/heterogeneous Fenton process. <i>Water Science and Technology</i> , 2013, 68, 2515-2520.	2.5	24
125	Selective removal of phenanthrene for the recovery of sodium dodecyl sulfate by UV-C and UV-C/PDS processes: Performance, mechanism and soil washing recycling. <i>Journal of Hazardous Materials</i> , 2020, 400, 123141.	12.4	24
126	Soil washing in combination with electrochemical advanced oxidation for the remediation of synthetic soil heavily contaminated with diesel. <i>Chemosphere</i> , 2020, 249, 126176.	8.2	24



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127	A Site Distance Effect Induced by Reactant Molecule Matchup in Single-Atom Catalysts for Fenton-Like Reactions. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	24
128	Evaluation of heterogeneous photo-Fenton oxidation of Orange II using response surface methodology. <i>Water Science and Technology</i> , 2010, 62, 1320-1326.	2.5	22
129	Decolorization of CI Reactive Black 8 by electrochemical process with/without ultrasonic irradiation. <i>Desalination and Water Treatment</i> , 2012, 44, 36-43.	1.0	22
130	Catalyst-free activation of peroxides under visible LED light irradiation through photoexcitation pathway. <i>Journal of Hazardous Materials</i> , 2017, 329, 272-279.	12.4	22
131	Phenanthrene decomposition in soil washing effluents using UVB activation of hydrogen peroxide and peroxydisulfate. <i>Chemosphere</i> , 2021, 263, 127996.	8.2	22
132	Nonradical electron transfer-based peroxydisulfate activation by a Mn <sup>2+</sup> /Fe bimetallic oxide derived from spent alkaline battery for the oxidation of bisphenol A. <i>Journal of Hazardous Materials</i> , 2022, 436, 129172.	12.4	21
133	Electrochemical oxidation of Crystal Violet in the presence of hydrogen peroxide. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1436-1444.	3.2	20
134	Activated carbon adsorptive removal of azo dye and peroxydisulfate regeneration: from a batch study to continuous column operation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4932-4941.	5.3	20
135	Pilot-scale <i>in situ</i> treatment of landfill leachate using combined coagulation-flocculation, hydrolysis acidification, SBR and electro-Fenton oxidation. <i>Environmental Technology (United Kingdom)</i> 11 0.784314. <a href="#">Open Access</a>	1.0	18
136	Treatment of landfill leachate by internal microelectrolysis and sequent Fenton process. <i>Desalination and Water Treatment</i> , 2012, 47, 243-248.	1.0	18
137	Treatment of landfill leachate with combined biological and chemical processes: changes in the dissolved organic matter and functional groups. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2225-2231.	2.2	18
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