Hui Zhang

List of Publications by Year
in descending order

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167 papers	15,224 citations	12330 69 h-index	19190 118 g-index
169 all docs	169 docs citations	169 times ranked	9153 citing authors

#	Article	IF	Citations
1	Heterogeneous Degradation of Organic Pollutants by Persulfate Activated by CuO-Fe₃O₄: 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 CuFe2O4/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 Feâ€“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 2 O 4 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/RuO2â€“IrO2) 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 Feâ€“Co/SBA-15 catalyst for the degradation of Orange II in water. Water Research, 2014, 66, 473-485.	11.3	183

#	Article	IF	Citations
19	Degradation of Acid Orange 7 in aqueous solution by a novel electro/Fe2+/peroxydisulfate process. Journal of Hazardous Materials, 2012, 215-216, 138-145.	12.4	173
20	Occurrence and Removal of Organic Micropollutants in Landfill Leachates Treated by Electrochemical Advanced Oxidation Processes. Environmental Science & Technology, 2015, 49, 12187-12196.	10.0	167
21	Degradation of clofibric acid in aqueous solution by an EC/Fe3+/PMS process. Chemical Engineering Journal, 2014, 244, 514-521.	12.7	164
22	Removal of Rhodamine B with Fe-supported bentonite as heterogeneous photo-Fenton catalyst under visible irradiation. Applied Catalysis B: Environmental, 2015, 178, 29-36.	20.2	164
23	The mechanism and efficiency of MnO2 activated persulfate process coupled with electrolysis. Science of the Total Environment, 2017, 609, 644-654.	8.0	161
24	Degradation of C. I. Acid Orange 7 in aqueous solution by a novel electro/Fe3O4/PDS process. Journal of Hazardous Materials, 2014, 276, 182-191.	12.4	154
25	Enhanced persulfate-mediated photocatalytic oxidation of bisphenol A using bioelectricity and a g-C3N4/Fe2O3 heterojunction. Chemical Engineering Journal, 2019, 359, 933-943.	12.7	154
26	Degradation of tetracycline in aqueous media by ozonation in an internal loop-lift reactor. Journal of Hazardous Materials, 2011, 192, 35-43.	12.4	150
27	Degradation of C.I. Acid Orange 7 by ultrasound enhanced heterogeneous Fenton-like process. Journal of Hazardous Materials, 2009, 172, 654-660.	12.4	149
28	Understanding oxygen-deficient La2CuO4-Î´perovskite activated peroxymonosulfate for bisphenol A degradation: The role of localized electron within oxygen vacancy. Applied Catalysis B: Environmental, 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. Applied Catalysis B: Environmental, 2016, 185, 22-30.	20.2	144
30	Degradation of bisphenol A in aqueous solution by a novel electro/Fe3+/peroxydisulfate process. Separation and Purification Technology, 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 sonoâ€“photo-Fenton process. Separation and Purification Technology, 2011, 80, 163-171.	7.9	139
32	Catalytic oxidation of clofibric acid by peroxydisulfate activated with wood-based biochar: Effect of biochar pyrolysis temperature, performance and mechanism. Chemical Engineering Journal, 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. Journal of Hazardous Materials, 2015, 287, 32-41.	12.4	135
34	Degradation of bisphenol A by activating peroxymonosulfate with Mn0.6Zn0.4Fe2O4 fabricated from spent Zn-Mn alkaline batteries. Chemical Engineering Journal, 2019, 364, 541-551.	12.7	128
35	Removal of COD from landfill leachate by an electro/Fe2+/peroxydisulfate process. Chemical Engineering Journal, 2014, 250, 76-82.	12.7	125
36	Goethite as an efficient heterogeneous Fenton catalyst for the degradation of methyl orange. Catalysis Today, 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. Ultrasonics Sonochemistry, 2009, 16, 325-330.	8.2	121
38	Degradation of Crystal Violet by catalytic ozonation using Fe/activated carbon catalyst. Separation and Purification Technology, 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. Dyes and Pigments, 2005, 65, 39-43.	3.7	119
40	Degradation of Toluene by a Selective Ferrous Ion Activated Persulfate Oxidation Process. Industrial & Engineering Chemistry Research, 2014, 53, 1033-1039.	3.7	109
41	Evaluation of electro-oxidation of biologically treated landfill leachate using response surface methodology. Journal of Hazardous Materials, 2011, 188, 261-268.	12.4	107
42	Selective Synthesis of Fe2O3 and Fe3O4 Nanowires Via a Single Precursor: A General Method for Metal Oxide Nanowires. Nanoscale Research Letters, 2010, 5, 1295-1300.	5.7	105
43	A Site Distance Effect Induced by Reactant Molecule Matchup in Singleâ€Atom Catalysts for Fentonâ€Like Reactions. Angewandte Chemie - International Edition, 2022, 61, .	13.8	105
44	Mineralization of sucralose by UV-based advanced oxidation processes: UV/PDS versus UV/H 2 O 2. Chemical Engineering Journal, 2016, 285, 392-401.	12.7	104
45	Application of response surface methodology to the treatment landfill leachate in a three-dimensional electrochemical reactor. Waste Management, 2010, 30, 2096-2102.	7.4	102
46	Decolorization of methyl orange by ozonation in combination with ultrasonic irradiation. Journal of Hazardous Materials, 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. Applied Catalysis B: Environmental, 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. Separation and Purification Technology, 2014, 122, 533-540.	7.9	97
49	Shape-controlled nanostructured magnetite-type materials as highly efficient Fenton catalysts. Applied Catalysis B: Environmental, 2014, 144, 739-749.	20.2	95
50	Ultrasound-enhanced magnetite catalytic ozonation of tetracycline in water. Chemical Engineering Journal, 2013, 229, 577-584.	12.7	94
51	Visible light enhanced heterogeneous photo-degradation of Orange II by zinc ferrite (ZnFe2O4) catalyst with the assistance of persulfate. Separation and Purification Technology, 2016, 165, 42-52.	7.9	94
52	Treatment of landfill leachate by Fenton's reagent in a continuous stirred tank reactor. Journal of Hazardous Materials, 2006, 136, 618-623.	12.4	93
53	Rapid and continuous oxidation of organic contaminants with ascorbic acid and a modified ferric/persulfate system. Chemical Engineering Journal, 2015, 270, 73-79.	12.7	92
54	Hydroxyl radical dominated elimination of plasticizers by peroxymonosulfate on metal-free boron: Kinetics and mechanisms. Water Research, 2020, 186, 116361.	11.3	92

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55	Multivariate approach to the Fenton process for the treatment of landfill leachate. Journal of Hazardous Materials, 2009, 161, 1306-1312.	12.4	90
56	Efficient degradation of clofibric acid by electro-enhanced peroxydisulfate activation with Fe-Cu/SBA-15 catalyst. Applied Catalysis B: Environmental, 2018, 230, 1-10.	20.2	90
57	Wood-based biochar as an excellent activator of peroxydisulfate for Acid Orange 7 decolorization. Chemosphere, 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. Chemical Engineering Journal, 2020, 394, 124864.	12.7	90
59	Ozonation combined with ultrasound for the degradation of tetracycline in a rectangular air-lift reactor. Separation and Purification Technology, 2012, 84, 138-146.	7.9	89
60	Oxygen-defective MnO2â^'x rattle-type microspheres mediated singlet oxygen oxidation of organics by peroxymonosulfate activation. Chemical Engineering Journal, 2020, 394, 124458.	12.7	89
61	Degradation of Acid Orange 7 using peroxymonosulfate catalyzed by granulated activated carbon and enhanced by electrolysis. Chemosphere, 2017, 188, 139-147.	8.2	86
62	Mechanism and kinetics of catalytic ozonation for elimination of organic compounds with spinel-type CuAl2O4 and its precursor. Science of the Total Environment, 2019, 651, 2585-2596.	8.0	82
63	Oxidation of organic contaminant in a self-driven electro/natural maghemite/peroxydisulfate system: Efficiency and mechanism. Science of the Total Environment, 2017, 599-600, 1181-1190.	8.0	81
64	Sulfurâ€•replaced Fenton systems: can sulfate radical substitute hydroxyl radical for advanced oxidation technologies?. Journal of Chemical Technology and Biotechnology, 2015, 90, 775-779.	3.2	80
65	Ultrasound enhanced catalytic ozonation of tetracycline in a rectangular air-lift reactor. Catalysis Today, 2011, 175, 283-292.	4.4	78
66	Remediation of phenanthrene contaminated soil by coupling soil washing with Tween 80, oxidation using the UV/S2O82â^' process and recycling of the surfactant. Chemical Engineering Journal, 2019, 369, 1014-1023.	12.7	75
67	Degradation of Acid Orange 7 by an ultrasound/ZnO-GAC/persulfate process. Separation and Purification Technology, 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. Industrial & Engineering Chemistry Research, 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. Journal of Environmental Sciences, 2014, 26, 1267-1273.	6.1	71
70	Degradation of tetracycline in aqueous medium by electrochemical method. Asia-Pacific Journal of Chemical Engineering, 2009, 4, 568-573.	1.5	70
71	Electro-assisted heterogeneous activation of persulfate by Fe/SBA-15 for the degradation of Orange II. Journal of Hazardous Materials, 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. Separation and Purification Technology, 2013, 118, 612-619.	7.9	67

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73	Electro-Fenton treatment of mature landfill leachate in a continuous flow reactor. Journal of Hazardous Materials, 2012, 241-242, 259-266.	12.4	66
74	The UV/peroxymonosulfate process for the mineralization of artificial sweetener sucralose. Chemical Engineering Journal, 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. Journal of Hazardous Materials, 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. Chemical Engineering Journal, 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. Applied Surface Science, 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. Journal of Hazardous Materials, 2009, 172, 1175-1184.	12.4	63
79	Oxidation and coagulation removal of COD from landfill leachate by Fredâ€“Fenton process. Chemical Engineering Journal, 2012, 210, 188-194.	12.7	62
80	Removal of sulfamethoxazole from aqueous solution by sono-ozonation in the presence of a magnetic catalyst. Separation and Purification Technology, 2013, 117, 46-52.	7.9	59
81	Natural Fe-bearing manganese ore facilitating bioelectro-activation of peroxymonosulfate for bisphenol A oxidation. Chemical Engineering Journal, 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. Chemical Engineering Journal, 2008, 138, 231-238.	12.7	56
83	Degradation of C.I. Acid Orange 7 by heterogeneous Fenton oxidation in combination with ultrasonic irradiation. Journal of Chemical Technology and Biotechnology, 2011, 86, 970-977.	3.2	55
84	Selective decolorization of cationic dyes by peroxymonosulfate: non-radical mechanism and effect of chloride. RSC Advances, 2016, 6, 866-871.	3.6	55
85	Performance of artificial sweetener sucralose mineralization via UV/O3 process: Kinetics, toxicity and intermediates. Chemical Engineering Journal, 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. Separation and Purification Technology, 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. RSC Advances, 2015, 5, 45276-45283.	3.6	48
88	Removal of artificial sweetener aspartame from aqueous media by electrochemical advanced oxidation processes. Chemosphere, 2017, 167, 220-227.	8.2	47
89	Persulfate enhanced photocatalytic degradation of bisphenol A over wasted batteries-derived ZnFe2O4 under visible light. Journal of Cleaner Production, 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. Journal of Hazardous Materials, 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. Chemosphere, 2020, 254, 126671.	8.2	45
92	Degradation of clofibric acid by UV, O3 and UV/O3 processes: Performance comparison and degradation pathways. Journal of Hazardous Materials, 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. Chemosphere, 2018, 204, 178-185.	8.2	42
94	Hierarchical porous Îµ-MnO2 from perovskite precursor: Application to the formaldehyde total oxidation. Chemical Engineering Journal, 2020, 388, 124146.	12.7	42
95	La1-x(Sr, Na, K)xMnO3 perovskites for HCHO oxidation: The role of oxygen species on the catalytic mechanism. Applied Catalysis B: Environmental, 2021, 287, 119955.	20.2	42
96	Absorption kinetics of ozone in water with ultrasonic radiation. Ultrasonics Sonochemistry, 2007, 14, 552-556.	8.2	41
97	Effect of a solar Fered-Fenton system using a recirculation reactor on biologically treated landfill leachate. Journal of Hazardous Materials, 2016, 319, 51-60.	12.4	41
98	Co/Sm-modified Ti/PbO2 anode for atrazine degradation: Effective electrocatalytic performance and degradation mechanism. Chemosphere, 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. Journal of Hazardous Materials, 2017, 333, 358-368.	12.4	40
100	Mineralization of pentachlorophenol by ferrioxalate-assisted solar photo-Fenton process at mild pH. Chemosphere, 2019, 217, 475-482.	8.2	38
101	Decolorisation and mineralisation of CI Reactive Black 8 by the Fenton and ultrasound/Fenton methods. Coloration Technology, 2007, 123, 101-105.	1.5	37
102	Degradation of artificial sweetener saccharin in aqueous medium by electrochemically generated hydroxyl radicals. Environmental Science and Pollution Research, 2016, 23, 4442-4453.	5.3	37
103	Removal of COD from landfill leachate by advanced Fenton process combined with electrolysis. Separation and Purification Technology, 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. Electrochimica Acta, 2021, 377, 138073.	5.2	37
105	Cold incineration of sucralose in aqueous solution by electro-Fenton process. Separation and Purification Technology, 2017, 173, 218-225.	7.9	36
106	Selective adsorption of phenanthrene dissolved in Tween 80 solution using activated carbon derived from walnut shells. Chemosphere, 2018, 208, 951-959.	8.2	33
107	Heterogeneous degradation of organic contaminant by peroxydisulfate catalyzed by activated carbon cloth. Chemosphere, 2020, 238, 124611.	8.2	33
108	Enhanced visible-light photocatalysis of clofibric acid using graphitic carbon nitride modified by cerium oxide nanoparticles. Journal of Hazardous Materials, 2021, 405, 124204.	12.4	33

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109	In situ ozonation of anthracene in unsaturated porous media. Journal of Hazardous Materials, 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. Journal of the Taiwan Institute of Chemical Engineers, 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. Sustainable Environment Research, 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. Journal of Hazardous Materials, 2021, 403, 123874.	12.4	30
113	Treatment of organosilicon wastewater by UV-based advanced oxidation processes: Performance comparison and fluorescence parallel factor analysis. Chemical Engineering Journal, 2020, 380, 122536.	12.7	29
114	Decolorisation of CI Reactive Black 8 by zero-valent iron powder with/without ultrasonic irradiation. Coloration Technology, 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. Chemosphere, 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. Chemosphere, 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. Journal of Hazardous Materials, 2020, 400, 123111.	12.4	28
118	Removal of ammonium from municipal landfill leachate using natural zeolites. Environmental Technology (United Kingdom), 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. Journal of the Taiwan Institute of Chemical Engineers, 2016, 65, 390-398.	5.3	26
120	Statistical Experiment Design Approach for the Treatment of Landfill Leachate by Photoelectro-Fenton Process. Journal of Environmental Engineering, ASCE, 2012, 138, 278-285.	1.4	25
121	Design of nanocrystalline mixed oxides with improved oxygen mobility: a simple non-aqueous route to nano-LaFeO3 and the consequences on the catalytic oxidation performances. Chemical Communications, 2013, 49, 4923.	4.1	25
122	Selective oxidative degradation of toluene for the recovery of surfactant by an electro/Fe2+/persulfate process. Environmental Science and Pollution Research, 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. Industrial & Engineering Chemistry Research, 2017, 56, 11684-11696.	3.7	25
124	Decolorization of Crystal Violet by ultrasound/heterogeneous Fenton process. Water Science and Technology, 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. Journal of Hazardous Materials, 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. Chemosphere, 2020, 249, 126176.	8.2	24

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127	A Site Distance Effect Induced by Reactant Molecule Matchup in Singleâ€Atom Catalysts for Fentonâ€Like Reactions. Angewandte Chemie, 2022, 134, .	2.0	24
128	Evaluation of heterogeneous photo-Fenton oxidation of Orange II using response surface methodology. Water Science and Technology, 2010, 62, 1320-1326.	2.5	22
129	Decolorization of CI Reactive Black 8 by electrochemical process with/without ultrasonic irradiation. Desalination and Water Treatment, 2012, 44, 36-43.	1.0	22
130	Catalyst-free activation of peroxides under visible LED light irradiation through photoexcitation pathway. Journal of Hazardous Materials, 2017, 329, 272-279.	12.4	22
131	Phenanthrene decomposition in soil washing effluents using UVB activation of hydrogen peroxide and peroxydisulfate. Chemosphere, 2021, 263, 127996.	8.2	22
132	Nonradical electron transfer-based peroxydisulfate activation by a Mnâ^'Fe bimetallic oxide derived from spent alkaline battery for the oxidation of bisphenol A. Journal of Hazardous Materials, 2022, 436, 129172.	12.4	21
133	Electrochemical oxidation of Crystal Violet in the presence of hydrogen peroxide. Journal of Chemical Technology and Biotechnology, 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. Environmental Science and Pollution Research, 2017, 24, 4932-4941.	5.3	20
135	Pilot-scale in situ treatment of landfill leachate using combined coagulationâ€“flocculation, hydrolysis acidification, SBR and electro-Fenton oxidation. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	19
136	Treatment of landfill leachate by internal microelectrolysis and sequent Fenton process. Desalination and Water Treatment, 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. Environmental Technology (United Kingdom), 2019, 40, 2225-2231.	2.2	18
138	Photo-Fenton degradation of carbamazepine and ibuprofen by iron-based metal-organic framework under alkaline condition. Journal of Hazardous Materials, 2022, 424, 127698.	12.4	18
139	Landfill leachate treatment using the sequencing batch biofilm reactor method integrated with the electro-Fenton process. Chemical Papers, 2014, 68, .	2.2	17
140	Peroxymonosulfate enhanced photocatalytic degradation of Reactive Black 5 by ZnO-GAC: Key influencing factors, stability and response surface approach. Separation and Purification Technology, 2021, 279, 119754.	7.9	17
141	DECOMPOSITION OF 4-NITROPHENOL BY OZONATION IN A HOLLOW FIBER MEMBRANE REACTOR. Chemical Engineering Communications, 2009, 197, 377-386.	2.6	16
142	Factorial design analysis for COD removal from landfill leachate by photoassisted Fered-Fenton process. Environmental Science and Pollution Research, 2014, 21, 8595-8602.	5.3	16
143	A novel S-scheme heterojunction in spent battery-derived ZnFe2O4/g-C3N4 photocatalyst for enhancing peroxymonosulfate activation and visible light degradation of organic pollutant. Journal of Environmental Chemical Engineering, 2022, 10, 107797.	6.7	16
144	Photocatalytic Degradation of Tetracycline by a Novel (CMC)/MIL-101(Fe)/Î²-CDP Composite Hydrogel. Frontiers in Chemistry, 2020, 8, 593730.	3.6	15

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145	Highly efficient sunlight-driven self-cleaning electrospun nanofiber membrane NM88B@HPAN for water treatment. Journal of Cleaner Production, 2022, 355, 131812.	9.3	15
146	Application of experimental design methodology to the decolorization of Orange II using low iron concentration of photoelectro-Fenton process. Water Science and Technology, 2011, 63, 1373-1380.	2.5	14
147	Ionic Liquidâ€Mediated Î±â€Fe₂O₃ Shapeâ€Controlled Nanocrystalâ€Supported Noble Metals: Highly Active Materials for CO Oxidation. ChemCatChem, 2013, 5, 1978-1988.	3.7	13
148	Removal of acetaminophen through direct electron transfer by reactive Mn2O3: Efficiency, mechanism and pathway. Science of the Total Environment, 2021, 769, 144377.	8.0	12
149	Efficient catalyst prepared from water treatment residuals and industrial glucose using hydrothermal treatment: Preparation, characterization and its catalytic performance for activating peroxymonosulfate to degrade imidacloprid. Chemosphere, 2022, 290, 133326.	8.2	12
150	A simple non-aqueous route to nano-perovskite mixed oxides with improved catalytic properties. Catalysis Today, 2017, 287, 30-36.	4.4	11
151	Removal of diesel from soil washing effluent by electro-enhanced Fe2+ activated persulfate process. Journal of Electroanalytical Chemistry, 2022, 906, 115995.	3.8	11
152	Reduction and Immobilization of Potassium Permanganate on Iron Oxide Catalyst by Fluidized-Bed Crystallization Technology. Applied Sciences (Switzerland), 2012, 2, 166-174.	2.5	9
153	Degradation of Orange II in aqueous solution by a novel electro/Fe3O4 process. Water Science and Technology, 2013, 68, 2441-2447.	2.5	9
154	Ultrasound-assisted removal of tetracycline from aqueous solution by mesoporous alumina. Water Science and Technology, 2014, 69, 819-824.	2.5	7
155	Removal of tetracycline from aqueous solution by hydrothermal method derived titanate nanotubes. Desalination and Water Treatment, 2016, 57, 19965-19974.	1.0	7
156	Application of heterogeneous photo-Fenton process for the mineralization of imidacloprid containing wastewater. Environmental Technology (United Kingdom), 2020, 41, 539-546.	2.2	7
157	Copper-spent activated carbon as a heterogeneous peroxydisulfate catalyst for the degradation of Acid Orange 7 in an electrochemical reactor. Water Science and Technology, 2016, 73, 1802-1808.	2.5	6
158	Enhanced mineralization of Reactive Black 5 by waste iron oxide via photo-Fenton process. Research on Chemical Intermediates, 2020, 46, 4423-4431.	2.7	6
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