

Bo Sun

List of Publications by Year in descending order

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26
papers

1,542
citations

430442

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Role of Ferrate(IV) and Ferrate(V) in Activating Ferrate(VI) by Calcium Sulfito for Enhanced Oxidation of Organic Contaminants. <i>Environmental Science & Technology</i> , 2019, 53, 894-902.	4.6	262
2	Activation of Manganese Oxidants with Bisulfite for Enhanced Oxidation of Organic Contaminants: The Involvement of Mn(III). <i>Environmental Science & Technology</i> , 2015, 49, 12414-12421.	4.6	238
3	Oxidative removal of bisphenol A by permanganate: Kinetics, pathways and influences of co-existing chemicals. <i>Separation and Purification Technology</i> , 2013, 107, 48-53.	3.9	112
4	Modeling the Kinetics of Contaminants Oxidation and the Generation of Manganese(III) in the Permanganate/Bisulfite Process. <i>Environmental Science & Technology</i> , 2016, 50, 1473-1482.	4.6	101
5	Reinvestigation of the Role of Humic Acid in the Oxidation of Phenols by Permanganate. <i>Environmental Science & Technology</i> , 2013, 47, 14332-14340.	4.6	99
6	Parabola-Like Shaped pH-Rate Profile for Phenols Oxidation by Aqueous Permanganate. <i>Environmental Science & Technology</i> , 2012, 46, 8860-8867.	4.6	89
7	The role of active manganese species and free radicals in permanganate/bisulfite process. <i>Journal of Hazardous Materials</i> , 2020, 388, 121735.	6.5	68
8	Influence of Pyrophosphate on the Generation of Soluble Mn(III) from Reactions Involving Mn Oxides and Mn(VII). <i>Environmental Science & Technology</i> , 2019, 53, 10227-10235.	4.6	66
9	Ruthenium Nanoparticles Supported on CeO ₂ for Catalytic Permanganate Oxidation of Butylparaben. <i>Environmental Science & Technology</i> , 2013, 47, 13011-13019.	4.6	61
10	Removal of emerging pollutants by Ru/TiO ₂ -catalyzed permanganate oxidation. <i>Water Research</i> , 2014, 63, 262-270.	5.3	56
11	Degradation of ciprofloxacin by manganese(III) intermediate: Insight into the potential application of permanganate/bisulfite process. <i>Chemical Engineering Journal</i> , 2018, 339, 144-152.	6.6	54
12	Bisulfite triggers fast oxidation of organic pollutants by colloidal MnO ₂ . <i>Journal of Hazardous Materials</i> , 2019, 363, 412-420.	6.5	48
13	Enhancement of the advanced Fenton process by weak magnetic field for the degradation of 4-nitrophenol. <i>RSC Advances</i> , 2015, 5, 13357-13365.	1.7	39
14	Critical role of oxygen for rapid degradation of organic contaminants in permanganate/bisulfite process. <i>Journal of Hazardous Materials</i> , 2018, 352, 157-164.	6.5	37
15	Micropollutant abatement by the UV/chloramine process in potable water reuse: A review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127341.	6.5	35
16	Concentration-dependent chloride effect on radical distribution and micropollutant degradation in the sulfate radical-based AOPs. <i>Journal of Hazardous Materials</i> , 2022, 430, 128450.	6.5	32
17	Influence of pre-ozonation of DOM on micropollutant abatement by UV-based advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2020, 391, 122201.	6.5	23
18	Reducing substances-enhanced degradation of pollutants by permanganate: The role of in situ formed colloidal MnO ₂ . <i>Chemosphere</i> , 2021, 276, 130203.	4.2	22

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19	Unraveling the Role of Mn(VI) and Mn(V) Species in Contaminant Abatement by Permanganate. <i>Environmental Science and Technology Letters</i> , 2022, 9, 446-451.	3.9	18
20	Auto-accelerating and auto-inhibiting phenomena in the oxidation process of organic contaminants by permanganate and manganese dioxide under acidic conditions: effects of manganese intermediates/products. <i>RSC Advances</i> , 2016, 6, 62858-62865.	1.7	17
21	Electrochemical Pretreatment for Sludge Sulfide Control without Chemical Dosing: A Mechanistic Study. <i>Environmental Science & Technology</i> , 2019, 53, 14559-14567.	4.6	17
22	Effects of oxygen and weak magnetic field on FeO/bisulfite system: performance and mechanisms. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16761-16770.	2.7	16
23	Catalyzing the oxidation of sulfamethoxazole by permanganate using molecular sieves supported ruthenium nanoparticles. <i>Chemosphere</i> , 2015, 141, 154-161.	4.2	12
24	Comparing the suitability of sodium hyposulfite, hydroxylamine hydrochloride and sodium sulfite as the quenching agents for permanganate oxidation. <i>RSC Advances</i> , 2016, 6, 13335-13342.	1.7	10
25	The promoting effect of bisulfite on pollutant abatement by Fe(II)/peroxydisulfate: Dual roles of bisulfite as the accelerator of Fe(II)-(Fe(III)/Fe(IV)) recycling and radical precursor. <i>Chemical Engineering Journal</i> , 2022, 448, 137625.	6.6	7
26	The Coupling Use of Weak Magnetic Field and FeO/H ₂ O ₂ Process for Bisphenol a Abatement: Influence of Reaction Conditions and Mechanisms. <i>Water (Switzerland)</i> , 2021, 13, 1724.	1.2	3