

Deling Yuan

List of Publications by Year in descending order

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38
papers

2,314
citations

186265

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315739

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all docs

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docs citations

38
times ranked

1849
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing CaO ₂ fenton-like process by Fe(II)-oxalic acid complexation for organic wastewater treatment. <i>Water Research</i> , 2019, 163, 114861.	11.3	200
2	Enhanced photocatalytic activity of TiO ₂ with acetylene black and persulfate for degradation of tetracycline hydrochloride under visible light. <i>Chemical Engineering Journal</i> , 2020, 384, 123350.	12.7	162
3	Fe ₃ O ₄ nanoparticles three-dimensional electro-peroxydisulfate for improving tetracycline degradation. <i>Chemosphere</i> , 2021, 268, 129315.	8.2	123
4	Persulfate activation in gas phase surface discharge plasma for synergetic removal of antibiotic in water. <i>Chemical Engineering Journal</i> , 2018, 337, 446-454.	12.7	109
5	MnFe ₂ O ₄ nanoparticles promoted electrochemical oxidation coupling with persulfate activation for tetracycline degradation. <i>Separation and Purification Technology</i> , 2021, 255, 117690.	7.9	106
6	Percarbonate promoted antibiotic decomposition in dielectric barrier discharge plasma. <i>Journal of Hazardous Materials</i> , 2019, 366, 669-676.	12.4	101
7	All-solid-state BiVO ₄ /ZnIn ₂ S ₄ Z-scheme composite with efficient charge separations for improved visible light photocatalytic organics degradation. <i>Chinese Chemical Letters</i> , 2020, 31, 547-550.	9.0	96
8	Peroxymonosulfate enhanced antibiotic removal and synchronous electricity generation in a photocatalytic fuel cell. <i>Electrochimica Acta</i> , 2019, 298, 59-69.	5.2	95
9	Comparative study of persulfate oxidants promoted photocatalytic fuel cell performance: Simultaneous dye removal and electricity generation. <i>Chemosphere</i> , 2019, 234, 658-667.	8.2	89
10	Ferrous ion-tartaric acid chelation promoted calcium peroxide fenton-like reactions for simulated organic wastewater treatment. <i>Journal of Cleaner Production</i> , 2020, 268, 122253.	9.3	84
11	Ternary BiVO ₄ /NiS/Au nanocomposites with efficient charge separations for enhanced visible light photocatalytic performance. <i>Chemical Engineering Journal</i> , 2019, 375, 122093.	12.7	82
12	Mesoporous manganese oxide with large specific surface area for high-performance asymmetric supercapacitor with enhanced cycling stability. <i>Chemical Engineering Journal</i> , 2017, 324, 35-43.	12.7	80
13	Improved dye removal and simultaneous electricity production in a photocatalytic fuel cell coupling with persulfate activation. <i>Electrochimica Acta</i> , 2018, 270, 330-338.	5.2	73
14	A novel CuTi-containing catalyst derived from hydrotalcite-like compounds for selective catalytic reduction of NO with C ₃ H ₆ under lean-burn conditions. <i>Journal of Catalysis</i> , 2014, 309, 268-279.	6.2	68
15	Improved degradation of anthraquinone dye by electrochemical activation of PDS. <i>Ecotoxicology and Environmental Safety</i> , 2019, 177, 77-85.	6.0	67
16	Fe ³⁺ -sulfite complexation enhanced persulfate Fenton-like process for antibiotic degradation based on response surface optimization. <i>Science of the Total Environment</i> , 2020, 727, 138773.	8.0	67
17	Synthesis, characterization and adsorptive performance of MgFe ₂ O ₄ nanospheres for SO ₂ removal. <i>Journal of Hazardous Materials</i> , 2010, 184, 704-709.	12.4	64
18	Elimination of humic acid in water: comparison of UV/PDS and UV/PMS. <i>RSC Advances</i> , 2020, 10, 17627-17634.	3.6	64

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19	Ferric ion-ascorbic acid complex catalyzed calcium peroxide for organic wastewater treatment: Optimized by response surface method. <i>Chinese Chemical Letters</i> , 2021, 32, 3387-3392.	9.0	63
20	Persulfate Promoted ZnIn ₂ S ₄ Visible Light Photocatalytic Dye Decomposition. <i>International Journal of Electrochemical Science</i> , 2020, 15, 8761-8770.	1.3	58
21	Application of inorganic materials as heterogeneous cocatalyst in Fenton/Fenton-like processes for wastewater treatment. <i>Separation and Purification Technology</i> , 2022, 295, 121293.	7.9	57
22	Effect of surface Lewis acidity on selective catalytic reduction of NO by C ₃ H ₆ over calcined hydrotalcite. <i>Applied Catalysis A: General</i> , 2013, 451, 176-183.	4.3	55
23	Evaluation of antibiotic oxytetracycline removal in water using a gas phase dielectric barrier discharge plasma. <i>Journal of Environmental Management</i> , 2018, 226, 22-29.	7.8	48
24	Fe-Mn bi-metallic oxides loaded on granular activated carbon to enhance dye removal by catalytic ozonation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18800-18808.	5.3	44
25	MoS ₂ co-catalysis promoted CaO ₂ Fenton-like process: Performance and mechanism. <i>Separation and Purification Technology</i> , 2021, 276, 119289.	7.9	42
26	Peracetic acid enhanced electrochemical advanced oxidation for organic pollutant elimination. <i>Separation and Purification Technology</i> , 2021, 276, 119317.	7.9	39
27	One-Step Polyoxometalates-Assisted Synthesis of Manganese Dioxide for Asymmetric Supercapacitors with Enhanced Cycling Lifespan. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 258-264.	6.7	38
28	Enhanced visible-light induced degradation of benzene on Mg-ferrite/hematite/PANI nanospheres: In situ FTIR investigation. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 472-477.	12.4	37
29	Strengthening decomposition of oxytetracycline in DBD plasma coupling with Fe-Mn oxide-loaded granular activated carbon. <i>Plasma Science and Technology</i> , 2019, 21, 025504.	1.5	24
30	Molybdenum co-catalytic promotion for Fe ³⁺ /peroxydisulfate process: performance, mechanism, and immobilization. <i>Chemical Engineering Journal</i> , 2022, 438, 135656.	12.7	21
31	Degradation of phenol using a combination of granular activated carbon adsorption and bipolar pulse dielectric barrier discharge plasma regeneration. <i>Plasma Science and Technology</i> , 2018, 20, 054013.	1.5	12
32	Î ² -Lactoglobulin amyloid fibrils supported Fe(III) to activate peroxydisulfate for organic pollutants elimination. <i>Separation and Purification Technology</i> , 2022, 289, 120806.	7.9	10
33	Asymmetric capacitors based on TiO ₂ and mesoporous MnO ₂ electrodes using neutral aqueous electrolyte. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	9
34	Preparation and characterization of Ni-Ti-O mixed oxide for selective catalytic reduction of NO under lean-burn conditions. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1449-1455.	14.0	8
35	Hydrogen peroxide generation during regeneration of granular activated carbon by bipolar pulse dielectric barrier discharge plasma. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 78, 178-184.	5.3	6
36	Peracetic Acid Activated with Electro-Fe ²⁺ Process for Dye Removal in Water. <i>Coatings</i> , 2022, 12, 466.	2.6	6

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37	Humic Acid Removal in Water via UV Activated Sodium Perborate Process. <i>Coatings</i> , 2022, 12, 885.	2.6	5
38	Adsorbability Enhancement of Macroporous Resin by Dielectric Barrier Discharge Plasma Treatment to Phenol in Water. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	1.9	2