

Zhulei Chen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,468
citations

567281

15
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning of Persulfate Activation from a Free Radical to a Nonradical Pathway through the Incorporation of Non-Redox Magnesium Oxide. <i>Environmental Science & Technology</i> , 2020, 54, 2476-2488.	10.0	374
2	Treatment of refractory contaminants by sludge-derived biochar/persulfate system via both adsorption and advanced oxidation process. <i>Chemosphere</i> , 2017, 185, 754-763.	8.2	170
3	Non-radical PMS activation by the nanohybrid material with periodic confinement of reduced graphene oxide (rGO) and Cu hydroxides. <i>Journal of Hazardous Materials</i> , 2020, 392, 122316.	12.4	125
4	Regulating the redox centers of Fe through the enrichment of Mo moiety for persulfate activation: A new strategy to achieve maximum persulfate utilization efficiency. <i>Water Research</i> , 2020, 181, 115862.	11.3	117
5	Global trends of solid waste research from 1997 to 2011 by using bibliometric analysis. <i>Scientometrics</i> , 2013, 96, 133-146.	3.0	110
6	One-step preparation and application of magnetic sludge-derived biochar on acid orange 7 removal via both adsorption and persulfate based oxidation. <i>RSC Advances</i> , 2017, 7, 18696-18706.	3.6	107
7	Adsorptive purification of heavy metal contaminated wastewater with sewage sludge derived carbon-supported Mg(II) composite. <i>Science of the Total Environment</i> , 2019, 691, 306-321.	8.0	79
8	Engineered biochar with anisotropic layered double hydroxide nanosheets to simultaneously and efficiently capture Pb ²⁺ and CrO ₄ ²⁻ from electroplating wastewater. <i>Bioresource Technology</i> , 2020, 306, 123118.	9.6	66
9	Towards a better understanding on mercury adsorption by magnetic bio-adsorbents with ¹³ Fe ₂ O ₃ from pinewood sawdust derived hydrochar: Influence of atmosphere in heat treatment. <i>Bioresource Technology</i> , 2018, 256, 269-276.	9.6	62
10	Black liquor as biomass feedstock to prepare zero-valent iron embedded biochar with red mud for Cr(VI) removal: Mechanisms insights and engineering practicality. <i>Bioresource Technology</i> , 2020, 311, 123553.	9.6	54
11	A self-gating proton-coupled electron transfer reduction of hexavalent chromium by core-shell SBA-Dithiocarbamate chitosan composite. <i>Journal of Hazardous Materials</i> , 2020, 384, 121257.	12.4	34
12	Recycling application of modified waste electrolytic manganese anode slag as efficient catalyst for PMS activation. <i>Science of the Total Environment</i> , 2021, 762, 143120.	8.0	30
13	Removal of refractory contaminants in municipal landfill leachate by hydrogen, oxygen and palladium: A novel approach of hydroxyl radical production. <i>Journal of Hazardous Materials</i> , 2015, 287, 349-355.	12.4	22
14	Quantitative evaluation of infectious health care wastes from numbers of confirmed, suspected and out-patients during COVID-19 pandemic: A case study of Wuhan. <i>Waste Management</i> , 2021, 126, 323-330.	7.4	21
15	Enhanced degradation of isoproturon in soil through persulfate activation by Fe-based layered double hydroxide: different reactive species comparing with activation by homogenous Fe(II). <i>Environmental Science and Pollution Research</i> , 2018, 25, 26394-26404.	5.3	17
16	Degradation of Phenol Using Peroxymonosulfate Activated by a High Efficiency and Stable CoMgAl-LDH Catalyst. <i>Materials</i> , 2019, 12, 968.	2.9	14
17	Research output analysis of municipal solid waste: a case study of China. <i>Scientometrics</i> , 2013, 96, 641-650.	3.0	12
18	Interpret the elimination behaviors of lead and vanadium from the water by employing functionalized biochars in diverse environmental conditions. <i>Science of the Total Environment</i> , 2021, 789, 148031.	8.0	12

#	ARTICLE	IF	CITATIONS
19	Growing trend of China's contribution to haze research. <i>Scientometrics</i> , 2015, 105, 525-535.	3.0	10
20	Removal of volatile fatty acid in landfill leachate by the microwave-hydrothermal method. <i>Desalination and Water Treatment</i> , 2014, 52, 4423-4429.	1.0	9
21	Immobilization of Cd in landfill-leachate-contaminated soil with cow manure compost as soil conditioners: A laboratory study. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 1276-1283.	1.9	6
22	Pd based in situ AOPs with heterogeneous catalyst of FeMgAl layered double hydroxide for the degradation of bisphenol A and landfill leachate through multiple pathways. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35623-35636.	5.3	6
23	Study on trends and performance of landfill research from 1999 to 2013 by using bibliometric analysis. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1349-1355.	2.3	5
24	Soil respiratory and enzyme activities in leachate-contaminated soils with different application rate of cow manure compost: a laboratory study. <i>Environmental Earth Sciences</i> , 2014, 71, 225-231.	2.7	4
25	Study of a Short-Term Biological Pretreatment of MSW with Low Aeration. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .</i>	0.0	1
26	Acute Toxicity Test of Landfill Leachates Using Protozoan Communities. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .</i>	0.0	1
27	Notice of Retraction: Use of a PFU Microbial Community to Evaluate the Toxicity of Leachate from Municipal Solid Waste Landfills of Various Ages. , 2011, , .		0