

Didi Li

List of Publications by Year in descending order

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17
papers

398
citations

759233

12
h-index

888059

17
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all docs

17
docs citations

17
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical exploration of VOCs removal mechanism by carbon nanotubes through persulfate-based advanced oxidation processes: Adsorption and catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2021, 405, 124684.	12.4	78
2	First-Principles Evaluation of Volatile Organic Compounds Degradation in Z-Scheme Photocatalytic Systems: MXene and Graphitic-CN Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23843-23852.	8.0	47
3	Facile template synthesis of dumbbell-like Mn ₂ O ₃ with oxygen vacancies for efficient degradation of organic pollutants by activating peroxymonosulfate. <i>Catalysis Science and Technology</i> , 2020, 10, 864-875.	4.1	45
4	Dynamic risk assessment model of buried gas pipelines based on system dynamics. <i>Reliability Engineering and System Safety</i> , 2021, 208, 107326.	8.9	39
5	A numerical study of the impurity effects of nitrogen and sulfur dioxide on the solubility trapping of carbon dioxide geological storage. <i>Applied Energy</i> , 2014, 128, 60-74.	10.1	35
6	Numerical analyses of the effects of nitrogen on the dissolution trapping mechanism of carbon dioxide geological storage. <i>Computers and Fluids</i> , 2015, 114, 1-11.	2.5	22
7	A numerical study of the impurity effects on CO ₂ geological storage in layered formation. <i>Applied Energy</i> , 2017, 199, 107-120.	10.1	20
8	Effects of N ₂ and H ₂ S binary impurities on CO ₂ geological storage in stratified formation – A sensitivity study. <i>Applied Energy</i> , 2018, 229, 482-492.	10.1	20
9	Numerical investigation of convective mixing in impure CO ₂ geological storage into deep saline aquifers. <i>International Journal of Greenhouse Gas Control</i> , 2020, 96, 103015.	4.6	18
10	Influence of components interaction on pyrolysis and explosion of biomass dust. <i>Chemical Engineering Research and Design</i> , 2021, 154, 384-392.	5.6	18
11	Numerical investigation of the partitioning phenomenon of carbon dioxide and multiple impurities in deep saline aquifers. <i>Applied Energy</i> , 2017, 185, 1411-1423.	10.1	15
12	Flow line of density functional theory in heterogeneous persulfate-based advanced oxidation processes for pollutant degradation: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 483-503.	12.8	15
13	Potential Impacts of Projected Climate Change under CMIP5 RCP Scenarios on Streamflow in the Wabash River Basin. <i>Advances in Meteorology</i> , 2020, 2020, 1-18.	1.6	9
14	Coupling effects of native H ₂ S and different co-injected impurities on CO ₂ sequestration in layered saline aquifers. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 88, 103846.	4.4	9
15	Numerical simulations of pressure buildup and salt precipitation during carbon dioxide storage in saline aquifers. <i>Computers and Fluids</i> , 2015, 121, 92-101.	2.5	5
16	An Investigation of Chromatographic Partitioning of CO ₂ and Multiple Impurities in Geological CO ₂ Sequestration. <i>Energy Procedia</i> , 2015, 75, 2240-2245.	1.8	2
17	Numerical Investigation of the Effects of Impurity on CO ₂ Sequestration in Stratified Formation. <i>Energy Procedia</i> , 2017, 105, 4248-4253.	1.8	1