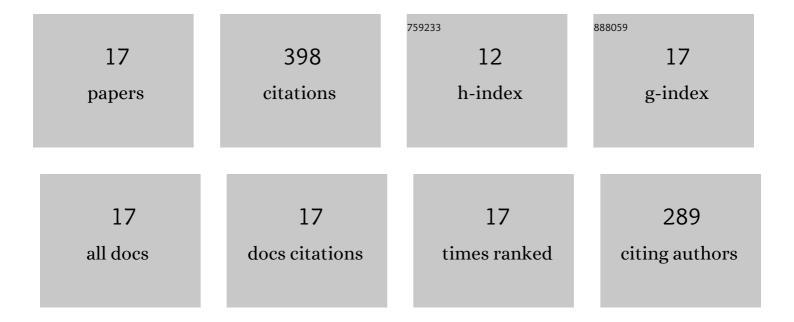
## Didi Li

## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Theoretical exploration of VOCs removal mechanism by carbon nanotubes through persulfate-based advanced oxidation processes: Adsorption and catalytic oxidation. Journal of Hazardous Materials, 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. ACS Applied Materials & Interfaces, 2021, 13, 23843-23852.	8.0	47
3	Facile template synthesis of dumbbell-like Mn <sub>2</sub> O <sub>3</sub> with oxygen vacancies for efficient degradation of organic pollutants by activating peroxymonosulfate. Catalysis Science and Technology, 2020, 10, 864-875.	4.1	45
4	Dynamic risk assessment model of buried gas pipelines based on system dynamics. Reliability Engineering and System Safety, 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. Applied Energy, 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. Computers and Fluids, 2015, 114, 1-11.	2.5	22
7	A numerical study of the impurity effects on CO 2 geological storage in layered formation. Applied Energy, 2017, 199, 107-120.	10.1	20
8	Effects of N2 and H2S binary impurities on CO2 geological storage in stratified formation – A sensitivity study. Applied Energy, 2018, 229, 482-492.	10.1	20
9	Numerical investigation of convective mixing in impure CO2 geological storage into deep saline aquifers. International Journal of Greenhouse Gas Control, 2020, 96, 103015.	4.6	18
10	Influence of components interaction on pyrolysis and explosion of biomass dust. Chemical Engineering Research and Design, 2021, 154, 384-392.	5.6	18
11	Numerical investigation of the partitioning phenomenon of carbon dioxide and multiple impurities in deep saline aquifers. Applied Energy, 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. Critical Reviews in Environmental Science and Technology, 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. Advances in Meteorology, 2020, 2020, 1-18.	1.6	9
14	Coupling effects of native H2S and different co-injected impurities on CO2 sequestration in layered saline aquifers. Journal of Natural Gas Science and Engineering, 2021, 88, 103846.	4.4	9
15	Numerical simulations of pressure buildup and salt precipitation during carbon dioxide storage in saline aquifers. Computers and Fluids, 2015, 121, 92-101.	2.5	5
16	An Investigation of Chromatographic Partitioning of CO2 and Multiple Impurities in Geological CO2 Sequestration. Energy Procedia, 2015, 75, 2240-2245.	1.8	2
17	Numerical Investigation of the Effects of Impurity on CO 2 Sequestration in Stratified Formation. Energy Procedia, 2017, 105, 4248-4253.	1.8	1