

Wolf Tilmann Pfeiffer

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

297
citations

1307366
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1719901
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g-index

10
all docs

10
docs citations

10
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Subsurface Porous Media Hydrogen Storage – Scenario Development and Simulation. Energy Procedia, 2015, 76, 565-572.	1.8	115
2	Hydrogen storage in a heterogeneous sandstone formation: dimensioning and induced hydraulic effects. Petroleum Geoscience, 2017, 23, 315-326.	0.9	69
3	Porous media hydrogen storage at a synthetic, heterogeneous field site: numerical simulation of storage operation and geophysical monitoring. Environmental Earth Sciences, 2016, 75, 1.	1.3	41
4	Subsurface renewable energy storage capacity for hydrogen, methane and compressed air – A performance assessment study from the North German Basin. Renewable and Sustainable Energy Reviews, 2021, 149, 111422.	8.2	25
5	Comparing simulations of hydrogen storage in a sandstone formation using heterogeneous and homogenous flow property models. Petroleum Geoscience, 2019, 25, 325-336.	0.9	17
6	The coupled non-isothermal, multiphase-multicomponent flow and reactive transport simulator OpenGeoSys–ECLIPSE for porous media gas storage. Environmental Earth Sciences, 2016, 75, 1.	1.3	14
7	Coupled power plant and geostorage simulations of porous media compressed air energy storage (PM-CAES). Energy Conversion and Management, 2021, 249, 114849.	4.4	14
8	Sensitivity analysis of gas leakage through a fault zone during subsurface gas storage in porous formations. Advances in Geosciences, 0, 49, 155-164.	12.0	2
9	Hydraulic Effects During Large-Scale Hydrogen Storage in Porous Formations. Springer Series in Geomechanics and Geoengineering, 2019, , 276-283.	0.0	0