

Wolf Tilmann Pfeiffer

List of Publications by Year in descending order

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docs citations

10
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139
citing authors

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