

Kristian Jessen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

511
citations

1040056

9
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory and Simulation Investigation of Enhanced Coalbed Methane Recovery by Gas Injection. Transport in Porous Media, 2008, 73, 141-159.	2.6	172
2	Competitive Sorption of Methane/Ethane Mixtures on Shale: Measurements and Modeling. Industrial & Engineering Chemistry Research, 2015, 54, 12187-12195.	3.7	76
3	Impacts of the subsurface storage of natural gas and hydrogen mixtures. International Journal of Hydrogen Energy, 2020, 45, 8757-8773.	7.1	64
4	Laboratory-Scale Investigation of Sorption Kinetics of Methane/Ethane Mixtures in Shale. Industrial & Engineering Chemistry Research, 2017, 56, 9953-9963.	3.7	34
5	A review of geochemicalâ€mechanical impacts in geological carbon storage reservoirs. , 2019, 9, 474-504.		32
6	Image-based modeling of gas adsorption and deformation in porous media. Scientific Reports, 2018, 8, 8249.	3.3	26
7	Modeling CO_2 -Induced Alterations in Mt. Simon Sandstone via Nanomechanics. Rock Mechanics and Rock Engineering, 2019, 52, 1353-1375.	5.4	20
8	Four-component gas/water/oil displacements in one dimension: part II, example solutions. Transport in Porous Media, 2008, 72, 83-96.	2.6	19
9	Mixing and Mass Transfer in Multicontact Miscible Displacements. Transport in Porous Media, 2012, 94, 837-857.	2.6	14
10	An Integrated Approach for the Characterization of Shales and Other Unconventional Resource Materials. Industrial & Engineering Chemistry Research, 2016, 55, 3718-3728.	3.7	14
11	Analytical and numerical investigation of multicomponent multiphase WAG displacements. Computational Geosciences, 2010, 14, 745-754.	2.4	10
12	Influence of geochemical reactions on the creep behavior of Mt. Simon sandstone. International Journal of Greenhouse Gas Control, 2020, 103, 103183.	4.6	8
13	Dynamic Relative Permeability and Simulation of WAG Injection Processes. Transport in Porous Media, 2017, 117, 125-147.	2.6	6
14	Three-Dimensional Imaging and Quantification of Gas Storativity in Nanoporous Media via X-rays Computed Tomography. Energies, 2020, 13, 6199.	3.1	5
15	Investigation of Mass Transfer and Sorption in CO_2 /Brine/Rock Systems via In Situ FT-IR. Industrial & Engineering Chemistry Research, 2020, 59, 20181-20189.	3.7	5
16	An Experimental Investigation of Desorption Kinetics and Mass Transfer in Shale. , 2016, , .		3
17	Impact of exposure to brine/ CO_2 on the mechanical and transport properties of the Mt. Simon Sandstone. , 2021, 11, 1043.		1
18	A new approach to study adsorption on shales and other microporous solids via the thermogravimetric analysis (TGA) technique. Chemical Engineering Science, 2022, 247, 117068.	3.8	1

#	ARTICLE	IF	CITATIONS
19	Advanced Geomechanical Model to Predict the Impact of CO2-Induced Microstructural Alterations on the Cohesive-Frictional Behavior of Mt. Simon Sandstone. Minerals (Basel, Switzerland), 2021, 11, 38.	2.0	1