

Christopher Zahasky

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

299
citations

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g-index

23
all docs

23
docs citations

23
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Global geologic carbon storage requirements of climate change mitigation scenarios. Energy and Environmental Science, 2020, 13, 1561-1567.	30.8	57
2	Measuring, imaging and modelling solute transport in a microporous limestone. Chemical Engineering Science, 2019, 196, 366-383.	3.8	34
3	Micro-positron emission tomography for measuring sub-core scale single and multiphase transport parameters in porous media. Advances in Water Resources, 2018, 115, 1-16.	3.8	31
4	Fold geometry at Sheep Mountain anticline, Wyoming, constructed using airborne laser swath mapping data, outcrop-scale geologic mapping, and numerical interpolation. Journal of Geophysical Research, 2010, 115, .	3.3	24
5	Positron emission tomography in water resources and subsurface energy resources engineering research. Advances in Water Resources, 2019, 127, 39-52.	3.8	24
6	Evaluation of hydraulic controls for leakage intervention in carbon storage reservoirs. International Journal of Greenhouse Gas Control, 2016, 47, 86-100.	4.6	21
7	Spatial and Temporal Quantification of Spontaneous Imbibition. Geophysical Research Letters, 2019, 46, 11972-11982.	4.0	18
8	Pore Network Model Predictions of Darcy-scale Multiphase Flow Heterogeneity Validated by Experiments. Water Resources Research, 2020, 56, e2019WR026708.	4.2	18
9	Calculating Trajectories Associated With Solute Transport in a Heterogeneous Medium. Water Resources Research, 2018, 54, 6890-6908.	4.2	13
10	Multimodal imaging and stochastic percolation simulation for improved quantification of effective porosity and surface area in vesicular basalt. Advances in Water Resources, 2018, 121, 235-244.	3.8	13
11	Subcore Scale Fluid Flow Behavior in a Sandstone With Cataclastic Deformation Bands. Water Resources Research, 2020, 56, e2019WR026715.	4.2	9
12	Preferential Solute Transport in Low Permeability Zones During Spontaneous Imbibition in Heterogeneous Porous Media. Water Resources Research, 2022, 58, .	4.2	9
13	Three-dimensional Permeability Inversion Using Convolutional Neural Networks and Positron Emission Tomography. Water Resources Research, 2022, 58, .	4.2	9
14	Description of Chemical Transport in Laboratory Rock Cores Using the Continuous Random Walk Formalism. Water Resources Research, 2020, 56, e2020WR027511.	4.2	6
15	Influence of initial fabric on fractures developed in shear zones in clay. Journal of Structural Geology, 2014, 58, 1-7.	2.3	3
16	Evaluation of the Effectiveness of Injection Termination and Hydraulic Controls for Leakage Containment. Energy Procedia, 2014, 63, 4666-4676.	1.8	3
17	Using Micro-positron Emission Tomography to Quantify Single and Multiphase Flow in Heterogeneous Reservoirs. Energy Procedia, 2017, 114, 5070-5082.	1.8	3
18	European carbon storage resource requirements of climate change mitigation targets. International Journal of Greenhouse Gas Control, 2022, 114, 103568.	4.6	3

#	ARTICLE	IF	CITATIONS
19	A Simple Approximate Semi-analytical Solution for Estimating Leakage of Carbon Dioxide Through Faults. Energy Procedia, 2014, 63, 4861-4874.	1.8	1