

# Christopher Zahasky

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4036804/publications.pdf>

Version: 2024-02-01

19  
papers

299  
citations

933264

10  
h-index

887953

17  
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. <i>Energy and Environmental Science</i> , 2020, 13, 1561-1567.	15.6	57
2	Measuring, imaging and modelling solute transport in a microporous limestone. <i>Chemical Engineering Science</i> , 2019, 196, 366-383.	1.9	34
3	Micro-positron emission tomography for measuring sub-core scale single and multiphase transport parameters in porous media. <i>Advances in Water Resources</i> , 2018, 115, 1-16.	1.7	31
4	Fold geometry at Sheep Mountain anticline, Wyoming, constructed using airborne laser swath mapping data, outcrop-scale geologic mapping, and numerical interpolation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	24
5	Positron emission tomography in water resources and subsurface energy resources engineering research. <i>Advances in Water Resources</i> , 2019, 127, 39-52.	1.7	24
6	Evaluation of hydraulic controls for leakage intervention in carbon storage reservoirs. <i>International Journal of Greenhouse Gas Control</i> , 2016, 47, 86-100.	2.3	21
7	Spatial and Temporal Quantification of Spontaneous Imbibition. <i>Geophysical Research Letters</i> , 2019, 46, 11972-11982.	1.5	18
8	Pore Network Model Predictions of Darcy-scale Multiphase Flow Heterogeneity Validated by Experiments. <i>Water Resources Research</i> , 2020, 56, e2019WR026708.	1.7	18
9	Calculating Trajectories Associated With Solute Transport in a Heterogeneous Medium. <i>Water Resources Research</i> , 2018, 54, 6890-6908.	1.7	13
10	Multimodal imaging and stochastic percolation simulation for improved quantification of effective porosity and surface area in vesicular basalt. <i>Advances in Water Resources</i> , 2018, 121, 235-244.	1.7	13
11	Subcore Scale Fluid Flow Behavior in a Sandstone With Cataclastic Deformation Bands. <i>Water Resources Research</i> , 2020, 56, e2019WR026715.	1.7	9
12	Preferential Solute Transport in Low Permeability Zones During Spontaneous Imbibition in Heterogeneous Porous Media. <i>Water Resources Research</i> , 2022, 58, .	1.7	9
13	Three-dimensional Permeability Inversion Using Convolutional Neural Networks and Positron Emission Tomography. <i>Water Resources Research</i> , 2022, 58, .	1.7	9
14	Description of Chemical Transport in Laboratory Rock Cores Using the Continuous Random Walk Formalism. <i>Water Resources Research</i> , 2020, 56, e2020WR027511.	1.7	6
15	Influence of initial fabric on fractures developed in shear zones in clay. <i>Journal of Structural Geology</i> , 2014, 58, 1-7.	1.0	3
16	Evaluation of the Effectiveness of Injection Termination and Hydraulic Controls for Leakage Containment. <i>Energy Procedia</i> , 2014, 63, 4666-4676.	1.8	3
17	Using Micro-positron Emission Tomography to Quantify Single and Multiphase Flow in Heterogeneous Reservoirs. <i>Energy Procedia</i> , 2017, 114, 5070-5082.	1.8	3
18	European carbon storage resource requirements of climate change mitigation targets. <i>International Journal of Greenhouse Gas Control</i> , 2022, 114, 103568.	2.3	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