

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 | European carbon storage resource requirements of climate change mitigation targets. <i>International Journal of Greenhouse Gas Control</i> , 2022, 114, 103568. | 2.3 | 3 |
| 2 | Preferential Solute Transport in Low Permeability Zones During Spontaneous Imbibition in Heterogeneous Porous Media. <i>Water Resources Research</i> , 2022, 58, . | 1.7 | 9 |
| 3 | Three-Dimensional Permeability Inversion Using Convolutional Neural Networks and Positron Emission Tomography. <i>Water Resources Research</i> , 2022, 58, . | 1.7 | 9 |
| 4 | 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 |
| 5 | Pore Network Model Predictions of Darcy-Scale Multiphase Flow Heterogeneity Validated by Experiments. <i>Water Resources Research</i> , 2020, 56, e2019WR026708. | 1.7 | 18 |
| 6 | Subcore Scale Fluid Flow Behavior in a Sandstone With Cataclastic Deformation Bands. <i>Water Resources Research</i> , 2020, 56, e2019WR026715. | 1.7 | 9 |
| 7 | Global geologic carbon storage requirements of climate change mitigation scenarios. <i>Energy and Environmental Science</i> , 2020, 13, 1561-1567. | 15.6 | 57 |
| 8 | Spatial and Temporal Quantification of Spontaneous Imbibition. <i>Geophysical Research Letters</i> , 2019, 46, 11972-11982. | 1.5 | 18 |
| 9 | 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 |
| 10 | Measuring, imaging and modelling solute transport in a microporous limestone. <i>Chemical Engineering Science</i> , 2019, 196, 366-383. | 1.9 | 34 |
| 11 | 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 |
| 12 | Calculating Trajectories Associated With Solute Transport in a Heterogeneous Medium. <i>Water Resources Research</i> , 2018, 54, 6890-6908. | 1.7 | 13 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | A Simple Approximate Semi-analytical Solution for Estimating Leakage of Carbon Dioxide Through Faults. <i>Energy Procedia</i> , 2014, 63, 4861-4874. | 1.8 | 1 |
| 18 | Evaluation of the Effectiveness of Injection Termination and Hydraulic Controls for Leakage Containment. <i>Energy Procedia</i> , 2014, 63, 4666-4676. | 1.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |