

Javier E Santos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3546773/publications.pdf>

Version: 2024-02-01

12
papers

278
citations

1307594

7
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

180
citing authors

#	ARTICLE	IF	CITATIONS
1	PoreFlow-Net: A 3D convolutional neural network to predict fluid flow through porous media. <i>Advances in Water Resources</i> , 2020, 138, 103539.	3.8	125
2	Computationally Efficient Multiscale Neural Networks Applied to Fluid Flow in Complex 3D Porous Media. <i>Transport in Porous Media</i> , 2021, 140, 241-272.	2.6	45
3	Modeling Nanoconfinement Effects Using Active Learning. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22200-22211.	3.1	24
4	Conditioning well data to rule-based lobe model by machine learning with a generative adversarial network. <i>Energy Exploration and Exploitation</i> , 2020, 38, 2558-2578.	2.3	18
5	MudrockNet: Semantic segmentation of mudrock SEM images through deep learning. <i>Computers and Geosciences</i> , 2022, 158, 104952.	4.2	18
6	Machine learning assisted history matching for a deepwater lobe system. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109086.	4.2	15
7	Two-Phase Fluid Flow Properties of Rough Fractures With Heterogeneous Wettability: Analysis With Lattice Boltzmann Simulations. <i>Water Resources Research</i> , 2021, 57, .	4.2	8
8	MPLBM-UT: Multiphase LBM library for permeable media analysis. <i>SoftwareX</i> , 2022, 18, 101097.	2.6	6
9	Residual Saturation During Multiphase Displacement in Heterogeneous Fractures with Novel Deep Learning Prediction. , 2020, , .		5
10	A deep learning approach to identify and segment alpha-smooth muscle actin stress fiber positive cells. <i>Scientific Reports</i> , 2021, 11, 21855.	3.3	5
11	3D Dataset of binary images: A collection of synthetically created digital rock images of complex media. <i>Data in Brief</i> , 2022, 40, 107797.	1.0	5
12	Determining the Impact of Mineralogy Composition for Multiphase Flow Through Hydraulically Induced Fractures. , 2018, , .		4