

Maja RÃ¼cker

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,138
citations

567281

15
h-index

642732

23
g-index

28
all docs

28
docs citations

28
times ranked

853
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of the spatial distribution of wetting in the pore networks of rocks. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 786-795.	9.4	17
2	Red Noise in Steady-State Multiphase Flow in Porous Media. <i>Water Resources Research</i> , 2022, 58, .	4.2	7
3	The development of intermittent multiphase fluid flow pathways through a porous rock. <i>Advances in Water Resources</i> , 2021, 150, 103868.	3.8	16
4	Multiscale Characterization of Wettability in Porous Media. <i>Transport in Porous Media</i> , 2021, 140, 215-240.	2.6	42
5	Atomic force microscopy for the characterisation of pinning effects of seawater micro-droplets in n-decane on a calcite surface. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 397-404.	9.4	4
6	The Origin of Non-thermal Fluctuations in Multiphase Flow in Porous Media. <i>Frontiers in Water</i> , 2021, 3, .	2.3	19
7	Novel adsorption mechanisms identified for polymer retention in carbonate rocks. <i>Jcis Open</i> , 2021, 4, 100026.	3.2	7
8	Relationship between wetting and capillary pressure in a crude oil/brine/rock system: From nano-scale to core-scale. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 159-169.	9.4	62
9	Real-Time Imaging Reveals Distinct Pore-Scale Dynamics During Transient and Equilibrium Subsurface Multiphase Flow. <i>Water Resources Research</i> , 2020, 56, e2020WR028287.	4.2	22
10	Atomic Force Microscopy (AFM) study of redox conditions in sandstones: Impact on wettability modification and mineral morphology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 597, 124765.	4.7	9
11	Surrogate Models for Studying the Wettability of Nanoscale Natural Rough Surfaces Using Molecular Dynamics. <i>Energies</i> , 2020, 13, 2770.	3.1	11
12	Assessing the wetting state of minerals in complex sandstone rock in-situ by Atomic Force Microscopy (AFM). <i>Fuel</i> , 2020, 273, 117807.	6.4	28
13	Signature of elastic turbulence of viscoelastic fluid flow in a single pore throat. <i>Physical Review E</i> , 2020, 101, 042605.	2.1	43
14	Verifying Pore Network Models of Imbibition in Rocks Using Time-Resolved Synchrotron Imaging. <i>Water Resources Research</i> , 2020, 56, e2019WR026587.	4.2	27
15	Imaging Spontaneous Imbibition in Full Darcy-Scale Samples at Pore-Scale Resolution by Fast X-ray Tomography. <i>Water Resources Research</i> , 2019, 55, 7072-7085.	4.2	25
16	Imaging of compositional gradients during in situ emulsification using X-ray micro-tomography. <i>Journal of Colloid and Interface Science</i> , 2019, 550, 159-169.	9.4	34
17	The Effect of Mixed Wettability on Pore-Scale Flow Regimes Based on a Flooding Experiment in Ketton Limestone. <i>Geophysical Research Letters</i> , 2019, 46, 3225-3234.	4.0	76
18	A New Waterflood Initialization Protocol With Wettability Alteration for Pore-Scale Multiphase Flow Experiments. <i>Petrophysics</i> , 2019, 60, 264-272.	0.3	9

#	ARTICLE	IF	CITATIONS
19	Beyond Darcy's law: The role of phase topology and ganglion dynamics for two-fluid flow. <i>Physical Review E</i> , 2016, 94, 043113.	2.1	167
20	Pore-scale displacement mechanisms as a source of hysteresis for two-phase flow in porous media. <i>Water Resources Research</i> , 2016, 52, 2194-2205.	4.2	145
21	Connected pathway relative permeability from pore-scale imaging of imbibition. <i>Advances in Water Resources</i> , 2016, 90, 24-35.	3.8	113
22	From connected pathway flow to ganglion dynamics. <i>Geophysical Research Letters</i> , 2015, 42, 3888-3894.	4.0	204
23	Subsecond pore-scale displacement processes and relaxation dynamics in multiphase flow. <i>Water Resources Research</i> , 2014, 50, 9162-9176.	4.2	49