

Xiaojing Fu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

444
citations

759233

12
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	Wettability and Lenormand's diagram. <i>Journal of Fluid Mechanics</i> , 2021, 923, .	3.4	47
2	Hydrate Formation on Marine Seep Bubbles and the Implications for Water Column Methane Dissolution. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017363.	2.6	14
3	Some Lava Flows May Not Have Been as Thick as They Appear. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	1
4	Crustal fingering facilitates free-gas methane migration through the hydrate stability zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31660-31664.	7.1	22
5	Interplay between Fingering Instabilities and Initial Soil Moisture in Solute Transport through the Vadose Zone. <i>Water (Switzerland)</i> , 2020, 12, 917.	2.7	5
6	Numerical Simulation of Unstable Preferential Flow during Water Infiltration into Heterogeneous Dry Soil. <i>Water (Switzerland)</i> , 2020, 12, 909.	2.7	11
7	Multiscale Digital Porous Rock Reconstruction Using Template Matching. <i>Water Resources Research</i> , 2019, 55, 6911-6922.	4.2	42
8	Signatures of fluid-fluid displacement in porous media: wettability, patterns and pressures. <i>Journal of Fluid Mechanics</i> , 2019, 875, .	3.4	72
9	Xenon Hydrate as an Analog of Methane Hydrate in Geologic Systems Out of Thermodynamic Equilibrium. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2462-2472.	2.5	11
10	Nonequilibrium Thermodynamics of Hydrate Growth on a Gas-Liquid Interface. <i>Physical Review Letters</i> , 2018, 120, 144501.	7.8	22
11	Pore-scale modeling of phase change in porous media. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	18
12	Improved characterization of heterogeneous permeability in saline aquifers from transient pressure data during freshwater injection. <i>Water Resources Research</i> , 2017, 53, 4444-4458.	4.2	26
13	Viscous fingering with partially miscible fluids. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	25
14	Thermodynamic coarsening arrested by viscous fingering in partially miscible binary mixtures. <i>Physical Review E</i> , 2016, 94, 033111.	2.1	21
15	Rock dissolution patterns and geochemical shutdown of "brine" carbonate reactions during convective mixing in porous media. <i>Journal of Fluid Mechanics</i> , 2015, 764, 296-315.	3.4	43
16	Parameter identification and sensitivity analysis to a thermal diffusivity inverse problem. <i>Involve</i> , 2015, 8, 385-400.	0.2	0
17	Uncertainty in modeled and observed climate change impacts on <sc>A</sc>merican <sc>M</sc>idwest hydrology. <i>Water Resources Research</i> , 2015, 51, 3635-3646.	4.2	12
18	Pattern formation and coarsening dynamics in three-dimensional convective mixing in porous media. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120355.	3.4	42

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19	Pattern formation and coarsening dynamics in three-dimensional convective mixing in porous media. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120355.	3.4	1
20	Effects of model resolution on optimal design of subsurface flow and transport problems. Advances in Water Resources, 2012, 38, 27-37.	3.8	7
21	Experimental design of diffusion and desorption of contaminant in heterogeneous media. Water Science and Technology, 2011, 64, 988-998.	2.5	0
22	Understanding the Impact of Boundary and Initial Condition Errors on the Solution to a Thermal Diffusivity Inverse Problem. SIAM Undergraduate Research Online, 0, 4, 156-174.	0.2	1