

Andrea Parmigiani

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,347
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1216
citing authors

#	ARTICLE	IF	CITATIONS
1	Palabos: Parallel Lattice Boltzmann Solver. <i>Computers and Mathematics With Applications</i> , 2021, 81, 334-350.	2.7	193
2	Characterization of Transport-Enhanced Phase Separation in Porous Media Using a Lattice-Boltzmann Method. <i>Geofluids</i> , 2019, 2019, 1-13.	0.7	4
3	Contribution of Pore-Scale Approach to Macroscale Geofluids Modelling in Porous Media. <i>Geofluids</i> , 2019, 2019, 1-4.	0.7	1
4	How do volatiles escape their shallow magmatic hearth?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180017.	3.4	38
5	Impact of Synthetic Porous Medium Geometric Properties on Solute Transport Using Direct 3D Pore-Scale Simulations. <i>Geofluids</i> , 2019, 2019, 1-13.	0.7	3
6	Lattice Boltzmann simulation of dense rigid spherical particle suspensions using immersed boundary method. <i>Computers and Fluids</i> , 2018, 166, 286-294.	2.5	19
7	A Physical Model for Three-Phase Compaction in Silicic Magma Reservoirs. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2685-2705.	3.4	36
8	Three-dimensional lattice Boltzmann method benchmarks between color-gradient and pseudo-potential immiscible multi-component models. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750085.	1.7	19
9	Generalized three-dimensional lattice Boltzmann color-gradient method for immiscible two-phase pore-scale imbibition and drainage in porous media. <i>Physical Review E</i> , 2017, 95, 033306.	2.1	115
10	The mechanics of shallow magma reservoir outgassing. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2887-2905.	2.5	69
11	Pore-scale simulations of concentration tails in heterogeneous porous media. <i>Journal of Contaminant Hydrology</i> , 2017, 205, 47-56.	3.3	10
12	Bubble accumulation and its role in the evolution of magma reservoirs in the upper crust. <i>Nature</i> , 2016, 532, 492-495.	27.8	163
13	A new bubble dynamics model to study bubble growth, deformation, and coalescence. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 216-239.	3.4	23
14	A new pore-scale model for linear and non-linear heterogeneous dissolution and precipitation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 109-130.	3.9	79
15	Mush microphysics and the reactivation of crystal-rich magma reservoirs. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 6308-6322.	3.4	81
16	A LATTICE BOLTZMANN SIMULATION OF THE RHONE RIVER. <i>International Journal of Modern Physics C</i> , 2013, 24, 1340008.	1.7	13
17	Channelization of buoyant nonwetting fluids in saturated porous media. <i>Water Resources Research</i> , 2013, 49, 6371-6380.	4.2	14
18	A physical model for metal extraction and transport in shallow magmatic systems. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	79

#	ARTICLE	IF	CITATIONS
19	Pore-scale mass and reactant transport in multiphase porous media flows. Journal of Fluid Mechanics, 2011, 686, 40-76.	3.4	140
20	Application of the multi distribution function lattice Boltzmann approach to thermal flows. European Physical Journal: Special Topics, 2009, 171, 37-43.	2.6	11
21	Lattice Boltzmann model for melting with natural convection. International Journal of Heat and Fluid Flow, 2008, 29, 1469-1480.	2.4	237