

Thomas Hiller

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

489
citations

933447

10
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive comparison of pore-scale models for multiphase flow in porous media. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13799-13806.	7.1	162
2	Wettability controls slow immiscible displacement through local interfacial instabilities. Physical Review Fluids, 2016, 1, .	2.5	99
3	Modeling three-dimensional karst aquifer evolution using different matrix-flow contributions. Journal of Hydrology, 2010, 388, 241-250.	5.4	58
4	Karstification beneath dam-sites: From conceptual models to realistic scenarios. Journal of Hydrology, 2011, 398, 202-211.	5.4	37
5	Reliability and limitations of surface NMR assessed by comparison to borehole NMR. Near Surface Geophysics, 2011, 9, 123-134.	1.2	20
6	Upscaling permeability for three-dimensional fractured porous rocks with the multiple boundary method. Hydrogeology Journal, 2018, 26, 1903-1916.	2.1	19
7	Utilizing pre-polarization to enhance SNMR signalsâ€™ effect of imperfect switch-off. Geophysical Journal International, 2020, 222, 815-826.	2.4	13
8	Karstification beneath the Birs weir in Basel/Switzerland: A 3D modeling approach. Journal of Hydrology, 2012, 448-449, 181-194.	5.4	12
9	Karstification of aquifers interspersed with non-soluble rocks: From basic principles towards case studies. Engineering Geology, 2010, 116, 261-273.	6.3	11
10	The Impact of Wetting-Heterogeneity Distribution on Capillary Pressure and Macroscopic Measures of Wettability. SPE Journal, 2019, 24, 200-214.	3.1	11
11	Stochastic Rotation Dynamics simulations of wetting multi-phase flows. Journal of Computational Physics, 2016, 315, 554-576.	3.8	10
12	Joint inversion of nuclear magnetic resonance data from partially saturated rocks using a triangular pore model. Geophysics, 2018, 83, JM15-JM28.	2.6	9
13	Karstification of an aquifer along the Birs river, Switzerland â€™ A modeling approach. Engineering Geology, 2012, 141-142, 9-23.	6.3	7
14	Nano- to Millimeter Scale Morphology of Connected and Isolated Porosity in the Permo-Triassic Khuff Formation of Oman. Geosciences (Switzerland), 2020, 10, 7.	2.2	6
15	Feasibility study on prepolarized surface nuclear magnetic resonance for soil moisture measurements. Vadose Zone Journal, 2021, 20, e20138.	2.2	5
16	Soil hydraulic interpretation of nuclear magnetic resonance measurements based on circular and triangular capillary models. Vadose Zone Journal, 2021, 20, e20104.	2.2	4
17	First Measurements of Surface Nuclear Magnetic Resonance Signals Without an Oscillating Excitation Pulse â€™ Exploiting Nonâ€™Adiabatic Prepolarization Switchâ€™Off. Geophysical Research Letters, 2021, 48, e2021GL095371.	4.0	4
18	The creation of collapse dolines: A 3D modeling approach. Acta Carsologica, 2015, 43, .	0.7	2

#	ARTICLE	IF	CITATIONS
19	Joint Interpretation of Magnetic Resonance Sounding and Borehole NMR Data. , 2008, , .		0