

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

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19	Joint Interpretation of Magnetic Resonance Sounding and Borehole NMR Data. , 2008, , .		0