Jannes Kordilla

List of Publications by Year
in descending order

10 papers	**193** citations	1307594 **7** h-index	1474206 **9** g-index
25 all docs	**25** docs citations	**25** times ranked	**208** citing authors

#	Article	IF	Citations
1	Simulation of saturated and unsaturated flow in karst systems at catchment scale using a double continuum approach. Hydrology and Earth System Sciences, 2012, 16, 3909-3923.	4.9	55
2	A smoothed particle hydrodynamics model for droplet and film flow on smooth and rough fracture surfaces. Advances in Water Resources, 2013, 59, 1-14.	3.8	47
3	Smoothed particle hydrodynamics study of the roughness effect on contact angle and droplet flow. Physical Review E, 2017, 96, 033115.	2.1	22
4	Effect of Unsaturated Flow Modes on Partitioning Dynamics of Gravity‐Driven Flow at a Simple Fracture Intersection: Laboratory Study and Three‐Dimensional Smoothed Particle Hydrodynamics Simulations. Water Resources Research, 2017, 53, 9496-9518.	4.2	21
5	Smoothed particle hydrodynamics model for Landau-Lifshitz-Navier-Stokes and advection-diffusion equations. Journal of Chemical Physics, 2014, 141, 224112.	3.0	13
6	Analogue Fracture Experiments and Analytical Modeling of Unsaturated Percolation Dynamics in Fracture Cascades. Vadose Zone Journal, 2019, 18, 1-9.	2.2	11
7	Investigation of Gravity‐Driven Infiltration Instabilities in Smooth and Rough Fractures Using a Pairwise‐Force Smoothed Particle Hydrodynamics Model. Vadose Zone Journal, 2019, 18, 1-12.	2.2	9
8	Multiscale Smoothed Particle Hydrodynamics Model Development for Simulating Preferential Flow Dynamics in Fractured Porous Media. Water Resources Research, 2021, 57, e2020WR027323.	4.2	6
9	Numerical and Analytical Modeling of Flow Partitioning in Partially Saturated Fracture Networks. Water Resources Research, 2021, 57, e2020WR028775.	4.2	5
10	Laboratory experiments and dual‐domain modeling of infiltration dynamics in partially saturated fractured porous media. Vadose Zone Journal, 0, , .	2.2	2