

Junwei Su

List of Publications by Year in descending order

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39
papers

575
citations

623734

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h-index

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24
g-index

39
all docs

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docs citations

39
times ranked

545
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Pore-Throat System on Fractal Characterization of Tight Sandstones. <i>Geofluids</i> , 2020, 2020, 1-17.	0.7	69
2	Discrete element simulation of particle flow in arbitrarily complex geometries. <i>Chemical Engineering Science</i> , 2011, 66, 6069-6088.	3.8	61
3	Solution of population balance equation using quadrature method of moments with an adjustable factor. <i>Chemical Engineering Science</i> , 2007, 62, 5897-5911.	3.8	50
4	Pore-scale direct numerical simulation of particle transport in porous media. <i>Chemical Engineering Science</i> , 2019, 199, 613-627.	3.8	50
5	A two-layer mesh method for discrete element simulation of gas-particle systems with arbitrarily polyhedral mesh. <i>International Journal for Numerical Methods in Engineering</i> , 2015, 103, 759-780.	2.8	37
6	Numerical study on flow field and pollutant dispersion in an ideal street canyon within a real tree model at different wind velocities. <i>Computers and Mathematics With Applications</i> , 2021, 81, 679-692.	2.7	35
7	Effects of real trees and their structure on pollutant dispersion and flow field in an idealized street canyon. <i>Atmospheric Pollution Research</i> , 2019, 10, 1699-1710.	3.8	26
8	An adaptive direct quadrature method of moment for population balance equations. <i>AIChE Journal</i> , 2008, 54, 2872-2887.	3.6	24
9	Direct numerical simulation of pore scale particle-water-oil transport in porous media. <i>Journal of Petroleum Science and Engineering</i> , 2019, 180, 159-175.	4.2	23
10	Advances in numerical methods for the solution of population balance equations for disperse phase systems. <i>Science in China Series B: Chemistry</i> , 2009, 52, 1063-1079.	0.8	19
11	Experimental evaluation of a capillary heating bed driven by an air source heat pump and solar energy. <i>Indoor and Built Environment</i> , 2020, 29, 1399-1411.	2.8	17
12	Direct numerical simulation of particle pore-scale transport through three-dimensional porous media with arbitrarily polyhedral mesh. <i>Powder Technology</i> , 2020, 367, 576-596.	4.2	17
13	An improved version of RIGID for discrete element simulation of particle flows with arbitrarily complex geometries. <i>Powder Technology</i> , 2014, 253, 393-405.	4.2	16
14	LES simulation of flow field and pollutant dispersion in a street canyon under time-varying inflows with TimeVarying-SIMPLE approach. <i>Building and Environment</i> , 2019, 157, 185-196.	6.9	16
15	Advances in Pore-Scale Simulation of Oil Reservoirs. <i>Energies</i> , 2018, 11, 1132.	3.1	15
16	Investigation on droplet dynamic snap-off process in a short, abrupt constriction. <i>Chemical Engineering Science</i> , 2021, 235, 116496.	3.8	14
17	Effect of Viscosity Action and Capillarity on Pore-Scale Oil-Water Flowing Behaviors in a Low-Permeability Sandstone Waterflood. <i>Energies</i> , 2021, 14, 8200.	3.1	12
18	Simulation of micro-behaviors including nucleation, growth, and aggregation in particle system. <i>Science in China Series B: Chemistry</i> , 2009, 52, 241-248.	0.8	9

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19	The nature of a universal subgrid eddy viscosity model in a turbulent channel flow. <i>Europhysics Letters</i> , 2011, 94, 34003.	2.0	9
20	An Efficient RIGID Algorithm and Its Application to the Simulation of Particle Transport in Porous Medium. <i>Transport in Porous Media</i> , 2016, 114, 99-131.	2.6	9
21	Effect of Street Canyon Shape and Tree Layout on Pollutant Diffusion under Real Tree Model. <i>Sustainability</i> , 2020, 12, 2105.	3.2	8
22	Pore-Scale Simulation of Particle Flooding for Enhancing Oil Recovery. <i>Energies</i> , 2021, 14, 2305.	3.1	7
23	A geometrical criterion for the dynamic snap-off event of a non-wetting droplet in a rectangular pore throat microchannel. <i>Physics of Fluids</i> , 2022, 34, .	4.0	7
24	Investigation of the Effect of Capillary Barrier on Water-Oil Movement in Water Flooding. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6285.	2.5	7
25	An Overview of Triggering Mechanisms and Characteristics of Local Strong Sandstorms in China and Haboobs. <i>Atmosphere</i> , 2021, 12, 752.	2.3	6
26	Examining the physical and chemical contributions to size spectrum evolution during the development of hazes. <i>Scientific Reports</i> , 2020, 10, 5347.	3.3	3
27	A consistent sharp interface fictitious domain method for moving boundary problems with arbitrarily polyhedral mesh. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 2065-2088.	1.6	3
28	Improving the Accuracy of Fictitious Domain Method Using Indicator Function from Volume Intersection. <i>Advances in Mathematical Physics</i> , 2019, 2019, 1-18.	0.8	2
29	A Numerical Study on Influent Flow Rate Variations in a Secondary Settling Tank. <i>Processes</i> , 2019, 7, 884.	2.8	2
30	Local Fixed Pivot Quadrature Method of Moments for Solution of Population Balance Equation. <i>Processes</i> , 2018, 6, 209.	2.8	1
31	Splicing Method of Micro-Nano-Scale Pore Radius Distribution in Tight Sandstone Reservoir. <i>Energies</i> , 2022, 15, 1642.	3.1	1
32	Self-Coupling Black Box Model of a Dynamic System Based on ANN and Its Application. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-12.	1.1	0
33	10.1063/5.0087523.3., 2022, , .		0
34	10.1063/5.0087523.1., 2022, , .		0
35	10.1063/5.0087523.7., 2022, , .		0
36	10.1063/5.0087523.4., 2022, , .		0

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37	10.1063/5.0087523.2., 2022,, .		0
38	10.1063/5.0087523.5., 2022,, .		0
39	10.1063/5.0087523.6., 2022,, .		0