

# Junwei Su

## List of Publications by Year in descending order

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39  
papers

575  
citations

623734

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610901

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docs citations

39  
times ranked

545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Splicing Method of Micro-Nano-Scale Pore Radius Distribution in Tight Sandstone Reservoir. Energies, 2022, 15, 1642.	3.1	1
2	10.1063/5.0087523.3. , 2022, , .		0
3	10.1063/5.0087523.1. , 2022, , .		0
4	10.1063/5.0087523.7. , 2022, , .		0
5	10.1063/5.0087523.4. , 2022, , .		0
6	A geometrical criterion for the dynamic snap-off event of a non-wetting droplet in a rectangular poreâ€œthroat microchannel. Physics of Fluids, 2022, 34, .	4.0	7
7	10.1063/5.0087523.2. , 2022, , .		0
8	10.1063/5.0087523.5. , 2022, , .		0
9	10.1063/5.0087523.6. , 2022, , .		0
10	Investigation of the Effect of Capillary Barrier on Waterâ€œOil Movement in Water Flooding. Applied Sciences (Switzerland), 2022, 12, 6285.	2.5	7
11	Numerical study on flow field and pollutant dispersion in an ideal street canyon within a real tree model at different wind velocities. Computers and Mathematics With Applications, 2021, 81, 679-692.	2.7	35
12	A consistent sharp interface fictitious domain method for moving boundary problems with arbitrarily polyhedral mesh. International Journal for Numerical Methods in Fluids, 2021, 93, 2065-2088.	1.6	3
13	Pore-Scale Simulation of Particle Flooding for Enhancing Oil Recovery. Energies, 2021, 14, 2305.	3.1	7
14	Investigation on droplet dynamic snap-off process in a short, abrupt constriction. Chemical Engineering Science, 2021, 235, 116496.	3.8	14
15	An Overview of Triggering Mechanisms and Characteristics of Local Strong Sandstorms in China and Haboobs. Atmosphere, 2021, 12, 752.	2.3	6
16	Effect of Viscosity Action and Capillarity on Pore-Scale Oilâ€œWater Flowing Behaviors in a Low-Permeability Sandstone Waterflood. Energies, 2021, 14, 8200.	3.1	12
17	Experimental evaluation of a capillary heating bed driven by an air source heat pump and solar energy. Indoor and Built Environment, 2020, 29, 1399-1411.	2.8	17
18	Direct numerical simulation of particle pore-scale transport through three-dimensional porous media with arbitrarily polyhedral mesh. Powder Technology, 2020, 367, 576-596.	4.2	17

#	ARTICLE	IF	CITATIONS
19	Impacts of Pore-Throat System on Fractal Characterization of Tight Sandstones. <i>Geofluids</i> , 2020, 2020, 1-17.	0.7	69
20	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
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	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
23	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
24	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
25	Pore-scale direct numerical simulation of particle transport in porous media. <i>Chemical Engineering Science</i> , 2019, 199, 613-627.	3.8	50
26	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
27	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
28	A Numerical Study on Influent Flow Rate Variations in a Secondary Settling Tank. <i>Processes</i> , 2019, 7, 884.	2.8	2
29	Local Fixed Pivot Quadrature Method of Moments for Solution of Population Balance Equation. <i>Processes</i> , 2018, 6, 209.	2.8	1
30	Advances in Pore-Scale Simulation of Oil Reservoirs. <i>Energies</i> , 2018, 11, 1132.	3.1	15
31	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
32	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
33	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
34	The nature of a universal subgrid eddy viscosity model in a turbulent channel flow. <i>Europhysics Letters</i> , 2011, 94, 34003.	2.0	9
35	Discrete element simulation of particle flow in arbitrarily complex geometries. <i>Chemical Engineering Science</i> , 2011, 66, 6069-6088.	3.8	61
36	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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37	Advances in numerical methods for the solution of population balance equations for disperse phase systems. Science in China Series B: Chemistry, 2009, 52, 1063-1079.	0.8	19
38	An adaptive direct quadrature method of moment for population balance equations. AIChE Journal, 2008, 54, 2872-2887.	3.6	24
39	Solution of population balance equation using quadrature method of moments with an adjustable factor. Chemical Engineering Science, 2007, 62, 5897-5911.	3.8	50