Hamed Aslannejad

List of Publications by Year
in descending order

20 papers	294 citations	933447 10 h-index	888059 17 g-index
20 all docs	20 docs citations	20 times ranked	356 citing authors

#	Article	IF	Citations
1	Characterizing the hydraulic properties of paper coating layer using FIB-SEM tomography and 3D pore-scale modeling. Chemical Engineering Science, 2017, 160, 275-280.	3.8	49
2	Capillary pressureâ€“saturation relationships for porous granular materials: Pore morphology method vs. pore unit assembly method. Advances in Water Resources, 2017, 107, 22-31.	3.8	46
3	Effect of air addition to methane on performance stability and coking over NiOâ€“YSZ anodes of SOFC. Applied Energy, 2016, 177, 179-186.	10.1	44
4	Study of Hydraulic Properties of Uncoated Paper: Image Analysis and Pore-Scale Modeling. Transport in Porous Media, 2017, 120, 67-81.	2.6	32
5	Impact of water salinity differential on a crude oil droplet constrained in a capillary: Pore-scale mechanisms. Fuel, 2020, 274, 117798.	6.4	17
6	Movement of a liquid droplet within a fibrous layer: Direct pore-scale modeling and experimental observations. Chemical Engineering Science, 2018, 191, 78-86.	3.8	15
7	Heat release at the wetting front during capillary filling of cellulosic micro-substrates. Journal of Colloid and Interface Science, 2017, 504, 751-757.	9.4	13
8	The impact of pore-throat shape evolution during dissolution on carbonate rock permeability: Pore network modeling and experiments. Advances in Water Resources, 2021, 155, 103991.	3.8	12
9	Occurrence of temperature spikes at a wetting front during spontaneous imbibition. Scientific Reports, 2017, 7, 7268.	3.3	11
10	Droplet Imbibition into Paper Coating Layer: Pore-Network Modeling Simulation. Transport in Porous Media, 2018, 125, 239-258.	2.6	10
11	Characterization of the Interface Between Coating and Fibrous Layers of Paper. Transport in Porous Media, 2019, 127, 143-155.	2.6	9
12	Modeling water imbibition into coated and uncoated papers. Chemical Engineering Science, 2018, 189, 33-42.	3.8	8
13	Water Flux Reduction in Microfiltration Membranes: A Pore Network Study. Chemical Engineering and Technology, 2018, 41, 1566-1576.	1.5	8
14	The effect of particle shape on porosity of swelling granular materials: Discrete element method and the multi-sphere approximation. Powder Technology, 2020, 360, 1295-1304.	4.2	8
15	Grain-Scale Modelling of Swelling Granular Materials Using the Discrete Element Method and the Multi-Sphere Approximation. , 2017, , .		4
16	Fabrication of Solid Oxide Fuel Cell Using the Dual Tape Casting Method. ECS Transactions, 2011, 35, 551-555.	0.5	2
17	Effect of Operational Condition on Performance and Durability of Solid Oxide Fuel Cell Fueled by Natural Gas. ECS Transactions, 2013, 57, 2939-2946.	0.5	2
18	Liquid droplet imbibition into a thin coating layer: Direct pore-scale modeling and experimental observations. Progress in Organic Coatings, 2021, 151, 106054.	3.9	2

#	Article	IF	Citations
19	Application of machine learning in colloids transport in porous media studies: Lattice Boltzmann simulation results as training data. Chemical Engineering Science, 2022, 253, 117548.	3.8	2
20	Development of Planar Solid Oxide Fuel Cell in Niroo Research Institute, Iran. ECS Transactions, 2011, 35, 543-549.	0.5	0