

Amer Alizadeh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

148
citations

8
h-index

12
g-index

19
ext. papers

207
ext. citations

4.4
avg, IF

3.65
L-index

#	Paper	IF	Citations
19	Evaluation of gas permeability in porous separators for polymer electrolyte fuel cells: Computational fluid dynamics simulation based on micro-x-ray computed tomography images. <i>Physical Review E</i> , 2021 , 104, 045105	2.4	0
18	Electroosmotic flow: From microfluidics to nanofluidics. <i>Electrophoresis</i> , 2021 , 42, 834-868	3.6	14
17	Bouncing behavior of a water droplet on a super-hydrophobic surface near freezing temperatures. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 174, 121304	4.9	8
16	Investigation of entrance effects on particle electrophoretic behavior near a nanopore for resistive pulse sensing. <i>Electrophoresis</i> , 2021 , 42, 2206-2214	3.6	
15	Temperature-regulated surface charge manipulates ionic current rectification in tapered nanofluidic channel. <i>International Journal of Mechanical Sciences</i> , 2021 , 210, 106754	5.5	1
14	Temperature effects on electrical double layer at solid-aqueous solution interface. <i>Electrophoresis</i> , 2020 , 41, 1067-1072	3.6	11
13	Joule Heating Effects on Transport-Induced-Charge Phenomena in an Ultrathin Nanopore. <i>Micromachines</i> , 2020 , 11,	3.3	1
12	Augmenting the Carbon Dioxide Uptake and Selectivity of Metal-Organic Frameworks by Metal Substitution: Molecular Simulations of LMOF-202. <i>ACS Omega</i> , 2020 , 5, 17193-17198	3.9	3
11	Pore-scale Study of Ion Transport Mechanisms in Inhomogeneously Charged Nanoporous Rocks: Impacts of Interface Properties on Macroscopic Transport. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 5387-5407	3.6	7
10	A Generalized Local Grid Refinement Approach for Modeling of Multi-Physicochemical Transports by Lattice Boltzmann Method. <i>Advances in Applied Mathematics and Mechanics</i> , 2019 , 11, 312-337	2.1	2
9	Flexibility of inactive electrokinetic layer at charged solid-liquid interface in response to bulk ion concentration. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 195-204	9.3	10
8	Reverse electrodialysis through nanochannels with inhomogeneously charged surfaces and overlapped electric double layers. <i>Journal of Colloid and Interface Science</i> , 2018 , 529, 214-223	9.3	9
7	Manipulating electrokinetic conductance of nanofluidic channel by varying inlet pH of solution. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	14
6	Direct simulation of electroosmosis around a spherical particle with inhomogeneously acquired surface charge. <i>Electrophoresis</i> , 2017 , 38, 580-595	3.6	2
5	Mixing enhancement of low-Reynolds electro-osmotic flows in microchannels with temperature-patterned walls. <i>Journal of Colloid and Interface Science</i> , 2014 , 431, 50-63	9.3	37
4	Experimental Study of Asphaltene Precipitation Behavior During Miscible Carbon Dioxide Injection. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2014 , 36, 1523-1530	1.6	2
3	Numerical study of active control of mixing in electro-osmotic flows by temperature difference using lattice Boltzmann methods. <i>Journal of Colloid and Interface Science</i> , 2013 , 407, 546-55	9.3	12

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| 2 | An Experimental Investigation of Asphaltene Precipitation During Natural Production of Heavy and Light Oil Reservoirs: The Role of Pressure and Temperature. <i>Petroleum Science and Technology</i> , 2011 , 29, 1054-1065 | 1.4 | 13 |
| 1 | Analysis of the Water Adsorption Mechanism in Metal-Organic Framework MIL-101(Cr) by Molecular Simulations. <i>Journal of Physical Chemistry C</i> , | 3.8 | 2 |