

Amer Alizadeh

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2192613/amer-alizadeh-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
18	Manipulating electrokinetic conductance of nanofluidic channel by varying inlet pH of solution. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	14
17	Electroosmotic flow: From microfluidics to nanofluidics. <i>Electrophoresis</i> , 2021 , 42, 834-868	3.6	14
16	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
15	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
14	Temperature effects on electrical double layer at solid-aqueous solution interface. <i>Electrophoresis</i> , 2020 , 41, 1067-1072	3.6	11
13	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
12	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
11	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
10	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
9	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
8	Direct simulation of electroosmosis around a spherical particle with inhomogeneously acquired surface charge. <i>Electrophoresis</i> , 2017 , 38, 580-595	3.6	2
7	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
6	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
5	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
4	Joule Heating Effects on Transport-Induced-Charge Phenomena in an Ultrathin Nanopore. <i>Micromachines</i> , 2020 , 11,	3.3	1
3	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

- 2 Evaluation of gas permeability in porous separators for polymer electrolyte fuel cells:
Computational fluid dynamics simulation based on micro-x-ray computed tomography images. 2.4 ○
Physical Review E, **2021**, 104, 045105
- 1 Investigation of entrance effects on particle electrophoretic behavior near a nanopore for resistive
pulse sensing. *Electrophoresis*, **2021**, 42, 2206-2214 3.6