

Ahmadreza Rahbari

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

16
papers

195
citations

10
h-index

13
g-index

16
ext. papers

269
ext. citations

3.4
avg, IF

3.32
L-index

#	Paper	IF	Citations
16	Electro-osmotic Drag and Thermodynamic Properties of Water in Hydrated Nafion Membranes from Molecular Dynamics.. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 8121-8133	3.8	0
15	Effect of Water Content on Thermodynamic Properties of Compressed Hydrogen. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2071-2087	2.8	4
14	Recent advances in the continuous fractional component Monte Carlo methodology. <i>Molecular Simulation</i> , 2021 , 47, 804-823	2	14
13	New Features of the Open Source Monte Carlo Software Brick-CFCMC: Thermodynamic Integration and Hybrid Trial Moves. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 3752-3757	6.1	2
12	Multiple Free Energy Calculations from Single State Point Continuous Fractional Component Monte Carlo Simulation Using Umbrella Sampling. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 1757-1767	6.4	6
11	Brick-CFCMC: Open Source Software for Monte Carlo Simulations of Phase and Reaction Equilibria Using the Continuous Fractional Component Method. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 2678-2682	6.1	14
10	Multiple linear regression and thermodynamic fluctuations are equivalent for computing thermodynamic derivatives from molecular simulation. <i>Fluid Phase Equilibria</i> , 2020 , 523, 112785	2.5	10
9	Solubility of Water in Hydrogen at High Pressures: A Molecular Simulation Study. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4103-4115	2.8	16
8	Improving the accuracy of computing chemical potentials in CFCMC simulations. <i>Molecular Physics</i> , 2019 , 117, 3493-3508	1.7	10
7	Effect of truncating electrostatic interactions on predicting thermodynamic properties of water-methanol systems. <i>Molecular Simulation</i> , 2019 , 45, 336-350	2	10
6	Adsorption equilibrium of nitrogen dioxide in porous materials. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4189-4199	3.6	17
5	Combined Steam Reforming of Methane and Formic Acid To Produce Syngas with an Adjustable H:CO Ratio. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10663-10674	3.9	20
4	Computation of partial molar properties using continuous fractional component Monte Carlo. <i>Molecular Physics</i> , 2018 , 116, 3331-3344	1.7	19
3	Chemical potentials of water, methanol, carbon dioxide and hydrogen sulphide at low temperatures using continuous fractional component Gibbs ensemble Monte Carlo. <i>Molecular Simulation</i> , 2018 , 44, 405-414	2	13
2	Computation of thermodynamic properties in the continuous fractional component Monte Carlo Gibbs ensemble. <i>Molecular Simulation</i> , 2017 , 43, 189-195	2	17
1	Efficient Application of Continuous Fractional Component Monte Carlo in the Reaction Ensemble. <i>Journal of Chemical Theory and Computation</i> , 2017 , 13, 4452-4466	6.4	23