

J Wesley Barnett

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous drying of non-polar deep-cavity cavitand pockets in aqueous solution. <i>Nature Chemistry</i> , 2020, 12, 589-594.	6.6	45
2	Pressure Induced Wetting and Dewetting of the Nonpolar Pocket of Deep-Cavity Cavitands in Water. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4781-4792.	1.2	8
3	Designing exceptional gas-separation polymer membranes using machine learning. <i>Science Advances</i> , 2020, 6, eaaz4301.	4.7	132
4	Evaluation of second osmotic virial coefficients from molecular simulation following scaled-particle theory. <i>Molecular Simulation</i> , 2019, 45, 1403-1410.	0.9	1
5	Modeling gas transport in polymer-grafted nanoparticle membranes. <i>Soft Matter</i> , 2019, 15, 424-432.	1.2	22
6	Alkane guest packing drives switching between multimeric deep-cavity cavitand assembly states. <i>Chemical Communications</i> , 2018, 54, 2639-2642.	2.2	4
7	Connections between the Anomalous Volumetric Properties of Alcohols in Aqueous Solution and the Volume of Hydrophobic Association. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3242-3250.	1.2	7
8	Guest Controlled Nonmonotonic Deep Cavity Cavitand Assembly State Switching. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10717-10725.	1.2	12
9	Resolving solvophobic interactions inferred from experimental solvation free energies and evaluated from molecular simulations. <i>Chemical Physics Letters</i> , 2017, 667, 62-67.	1.2	1
10	Communication: Stiffening of dilute alcohol and alkane mixtures with water. <i>Journal of Chemical Physics</i> , 2016, 145, 201102.	1.2	14
11	Temperature and pressure dependence of the interfacial free energy against a hard surface in contact with water and decane. <i>Journal of Chemical Physics</i> , 2016, 145, 124710.	1.2	6
12	Hydrated nonpolar solute volumes: Interplay between size, Attractiveness, and molecular structure. <i>Biophysical Chemistry</i> , 2016, 213, 1-5.	1.5	6
13	Succession of Alkane Conformational Motifs Bound within Hydrophobic Supramolecular Capsular Assemblies. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10394-10402.	1.2	19