J Wesley Barnett

List of Publications by Year
in descending order

13	277	1306789 7	1125271 13
papers	citations	h-index	g-index

13	13	13	374
all docs	docs citations	times ranked	citing authors

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