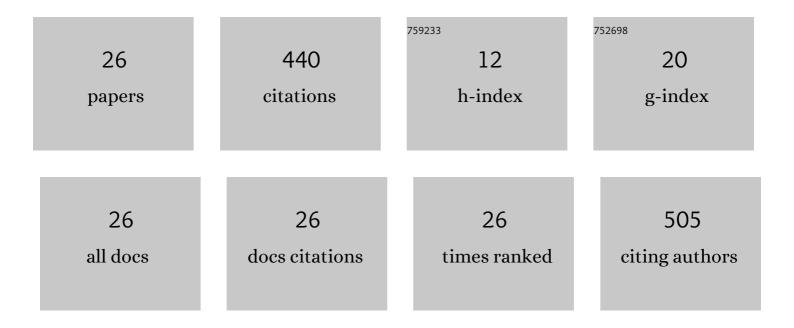
Harold W Hatch

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Natively Unfolded Protein Stability as a Coil-to-Globule Transition in Charge/Hydropathy Space. Journal of the American Chemical Society, 2008, 130, 9536-9542.	13.7	90
2	Assessing the thermodynamic signatures of hydrophobic hydration for several common water models. Journal of Chemical Physics, 2010, 132, 124504.	3.0	71
3	Computational Study of the Stability of the Miniprotein Trp-Cage, the GB1 β-Hairpin, and the AK16 Peptide, under Negative Pressure. Journal of Physical Chemistry B, 2014, 118, 7761-7769.	2.6	37
4	Computational study of trimer self-assembly and fluid phase behavior. Journal of Chemical Physics, 2015, 142, 164901.	3.0	23
5	Self-assembly of trimer colloids: effect of shape and interaction range. Soft Matter, 2016, 12, 4170-4179.	2.7	22
6	Chiral symmetry breaking in a microscopic model with asymmetric autocatalysis and inhibition. Journal of Chemical Physics, 2010, 133, 224502.	3.0	19
7	Assembly of multi-flavored two-dimensional colloidal crystals. Soft Matter, 2017, 13, 5397-5408.	2.7	19
8	Molecular modeling of mechanical stresses on proteins in glassy matrices: Formalism. Journal of Chemical Physics, 2012, 137, 035103.	3.0	16
9	FEASST: Free Energy and Advanced Sampling Simulation Toolkit. Journal of Research of the National Institute of Standards and Technology, 2018, 123, 1-3.	1.2	16
10	Assembly of three-dimensional binary superlattices from multi-flavored particles. Soft Matter, 2018, 14, 6303-6312.	2.7	15
11	Depletion-driven crystallization of cubic colloids sedimented on a surface. Journal of Chemical Physics, 2016, 144, 194902.	3.0	14
12	Predicting structural properties of fluids by thermodynamic extrapolation. Journal of Chemical Physics, 2018, 148, 194105.	3.0	12
13	Extrapolation and interpolation strategies for efficiently estimating structural observables as a function of temperature and density. Journal of Chemical Physics, 2020, 153, 144101.	3.0	12
14	Designing molecular building blocks for the self-assembly of complex porous networks. Molecular Systems Design and Engineering, 2019, 4, 644-653.	3.4	10
15	Evaluating the Effects of Hinge Flexibility on the Solution Structure of Antibodies at Concentrated Conditions. Journal of Pharmaceutical Sciences, 2019, 108, 1663-1674.	3.3	10
16	Communication: Predicting virial coefficients and alchemical transformations by extrapolating Mayer-sampling Monte Carlo simulations. Journal of Chemical Physics, 2017, 147, 231102.	3.0	9
17	Monte Carlo simulation of cylinders with short-range attractions. AIP Advances, 2018, 8, 095210.	1.3	9
18	Dynamic arrest of adhesive hard rod dispersions. Soft Matter, 2020, 16, 1279-1286.	2.7	9

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#	Article	IF	CITATIONS
19	Molecular dynamics simulation of trimer self-assembly under shear. Fluid Phase Equilibria, 2017, 440, 87-94.	2.5	8
20	Flat-histogram extrapolation as a useful tool in the age of big data. Molecular Simulation, 2021, 47, 395-407.	2.0	7
21	Improving the efficiency of Monte Carlo simulations of ions using expanded grand canonical ensembles. Journal of Chemical Physics, 2019, 151, 144109.	3.0	4
22	Computational Investigation of Correlations in Adsorbate Entropy for Pure-Silica Zeolite Adsorbents. Journal of Physical Chemistry C, 2020, 124, 16350-16361.	3.1	4
23	A methodology to calculate small-angle scattering profiles of macromolecular solutions from molecular simulations in the grand-canonical ensemble. Journal of Chemical Physics, 2018, 149, 084203.	3.0	2
24	Parallel Prefetching for Canonical Ensemble Monte Carlo Simulations. Journal of Physical Chemistry A, 2020, 124, 7191-7198.	2.5	1
25	Comments on "Monte Carlo simulations for water adsorption in porous materials: Best practices and new insights― AICHE Journal, 2022, 68, .	3.6	1
26	Tabular Potentials for Monte Carlo Simulation of Supertoroids with Short-Range Interactions. Journal of Research of the National Institute of Standards and Technology, 2019, 124, 1-11.	1.2	0