

Elizabeth A Ploetz

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

281
citations

840776

11
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing force fields from the microscopic structure of solutions. <i>Fluid Phase Equilibria</i> , 2010, 290, 43-47.	2.5	53
2	A Kirkwoodâ€œBuff force field for the aromatic amino acids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 18154.	2.8	39
3	Kirkwoodâ€œBuff integrals for ideal solutions. <i>Journal of Chemical Physics</i> , 2010, 132, 164501.	3.0	25
4	Local fluctuations in solution mixtures. <i>Journal of Chemical Physics</i> , 2011, 135, 044506.	3.0	23
5	Gas or Liquid? The Supercritical Behavior of Pure Fluids. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6554-6563.	2.6	19
6	Local Fluctuations in Solution: Theory and Applications. <i>Advances in Chemical Physics</i> , 2013, 153, 311-372.	0.3	18
7	Particle and Energy Pair and Triplet Correlations in Liquids and Liquid Mixtures from Experiment and Simulation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7761-7777.	2.6	15
8	To Polarize or Not to Polarize? Charge-on-Spring versus KBFF Models for Water and Methanol Bulk and Vaporâ€œLiquid Interfacial Mixtures. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 2373-2387.	5.3	15
9	Kirkwoodâ€œBuff-Derived Force Field for Peptides and Proteins: Philosophy and Development of KBFF20. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 2964-2990.	5.3	14
10	Infinitely Dilute Partial Molar Properties of Proteins from Computer Simulation. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12844-12854.	2.6	11
11	Fluctuation solution theory of pure fluids. <i>Journal of Chemical Physics</i> , 2017, 146, .	3.0	11
12	Experimental triplet and quadruplet fluctuation densities and spatial distribution function integrals for pure liquids. <i>Journal of Chemical Physics</i> , 2015, 142, 044502.	3.0	9
13	Experimental triplet and quadruplet fluctuation densities and spatial distribution function integrals for liquid mixtures. <i>Journal of Chemical Physics</i> , 2015, 142, 094504.	3.0	8
14	Gaussian and non-Gaussian fluctuations in pure classical fluids. <i>Journal of Chemical Physics</i> , 2017, 146, 094509.	3.0	7
15	Simulated pressure denaturation thermodynamics of ubiquitin. <i>Biophysical Chemistry</i> , 2017, 231, 135-145.	2.8	6
16	Kirkwoodâ€œBuff-Derived Force Field for Peptides and Proteins: Applications of KBFF20. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 2991-3009.	5.3	6
17	Classical harmonic model for the behavior of pure fluids at the critical point. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8004-8014.	2.8	2
18	Experimental investigation of triplet correlation approximations for fluid water. <i>Fluid Phase Equilibria</i> , 2018, 470, 38-50.	2.5	0

#	ARTICLE	IF	CITATIONS
19	The flexible connection of the N-terminal domain in ClpB supports substrate binding and controls the aggregate reactivation efficiency. FASEB Journal, 2011, 25, 907.7.	0.5	0