

Aviel Chaimovich

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

620
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	Coarse-graining errors and numerical optimization using a relative entropy framework. Journal of Chemical Physics, 2011, 134, 094112.	3.0	211
2	The search for the hydrophobic force law. Faraday Discussions, 2010, 146, 299.	3.2	154
3	Anomalous waterlike behavior in spherically-symmetric water models optimized with the relative entropy. Physical Chemistry Chemical Physics, 2009, 11, 1901.	2.8	114
4	Relative entropy as a universal metric for multiscale errors. Physical Review E, 2010, 81, 060104.	2.1	82
5	Length-scale crossover of the hydrophobic interaction in a coarse-grained water model. Physical Review E, 2013, 88, 052313.	2.1	21
6	Tetrahedrality and structural order for hydrophobic interactions in a coarse-grained water model. Physical Review E, 2014, 89, 022140.	2.1	20
7	Relative resolution: A hybrid formalism for fluid mixtures. Journal of Chemical Physics, 2015, 143, 243107.	3.0	9
8	Relative Resolution: A Computationally Efficient Implementation in LAMMPS. Journal of Chemical Theory and Computation, 2021, 17, 1045-1059.	5.3	6
9	Relative Resolution: A multipole approximation at appropriate distances. Physical Review Research, 2019, 1, .	3.6	2
10	The generic unfolding of a biomimetic polymer during force spectroscopy. Soft Matter, 2020, 16, 3941-3951.	2.7	1