

Juan Luis Aragones

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

483
citations

840776

11
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

772
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalies in water as obtained from computer simulations of the TIP4P/2005 model: density maxima, and density, isothermal compressibility and heat capacity minima. <i>Molecular Physics</i> , 2009, 107, 365-374.	1.7	153
2	Anomalies in bulk supercooled water at negative pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7936-7941.	7.1	103
3	The phase diagram of water from quantum simulations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10140.	2.8	36
4	Computer Simulation Study of the Structure of LiCl Aqueous Solutions: Test of Non-Standard Mixing Rules in the Ion Interaction. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7680-7691.	2.6	36
5	Single-step assembly of asymmetric vesicles. <i>Lab on A Chip</i> , 2019, 19, 749-756.	6.0	30
6	Emergent ultra-long-range interactions between active particles in hybrid active-inactive systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4652-4657.	7.1	26
7	A study of the influence of isotopic substitution on the melting point and temperature of maximum density of water by means of path integral simulations of rigid models. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15199.	2.8	20
8	Detecting vapour bubbles in simulations of metastable water. <i>Journal of Chemical Physics</i> , 2014, 141, 18C511.	3.0	19
9	Artificial Tribotactic Microscopic Walkers: Walking Based on Friction Gradients. <i>Physical Review Letters</i> , 2014, 113, 178101.	7.8	15
10	Collective behavior of Vicsek particles without and with obstacles†. <i>European Physical Journal E</i> , 2018, 41, 91.	1.6	13
11	Phase boundaries, nucleation rates and speed of crystal growth of the water-to-ice transition under an electric field: a simulation study. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 174002.	1.8	12
12	Trapping flocking particles with asymmetric obstacles. <i>Soft Matter</i> , 2020, 16, 4739-4745.	2.7	9
13	How rotating ATP synthases can modulate membrane structure. <i>Archives of Biochemistry and Biophysics</i> , 2021, 708, 108939.	3.0	7
14	Aggregation dynamics of active rotating particles in dense passive media. <i>Soft Matter</i> , 2019, 15, 3929-3937.	2.7	4
15	Double-emulsion templated lipid vesicles as minimal cell mimics for assembling tissue-like vesicular materials. <i>MRS Communications</i> , 2021, 11, 18-30.	1.8	0