

Luca Larini

List of Publications by Year in descending order

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19
papers

1,142
citations

759190

12
h-index

839512

18
g-index

19
all docs

19
docs citations

19
times ranked

1721
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal scaling between structural relaxation and vibrational dynamics in glass-forming liquids and polymers. <i>Nature Physics</i> , 2008, 4, 42-45.	16.7	272
2	Regulation and aggregation of intrinsically disordered peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2758-2763.	7.1	162
3	Tau Assembly: The Dominant Role of PHF6 (VQIVYK) in Microtubule Binding Region Repeat R3. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4582-4593.	2.6	134
4	The multiscale coarse-graining method. VI. Implementation of three-body coarse-grained potentials. <i>Journal of Chemical Physics</i> , 2010, 132, 164107.	3.0	113
5	Langevin stabilization of molecular-dynamics simulations of polymers by means of quasisymplectic algorithms. <i>Journal of Chemical Physics</i> , 2007, 126, 104101.	3.0	100
6	Role of β -Hairpin Formation in Aggregation: The Self-Assembly of the Amyloid- β (25-35) Peptide. <i>Biophysical Journal</i> , 2012, 103, 576-586.	0.5	93
7	Double Resolution Model for Studying TMAO/Water Effective Interactions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13268-13277.	2.6	93
8	Initiation of assembly of tau(273-284) and its β K280 mutant: an experimental and computational study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8916.	2.8	54
9	A Hierarchical Model To Understand the Processing of Polysaccharides/Protein-Based Films in Ionic Liquids. <i>Biomacromolecules</i> , 2018, 19, 3970-3982.	5.4	28
10	Equilibrated polyethylene single-molecule crystals: molecular-dynamics simulations and analytic model of the global minimum of the free-energy landscape. <i>Journal of Physics Condensed Matter</i> , 2005, 17, L199-L208.	1.8	27
11	A manifestation of the Ostwald step rule: Molecular-dynamics simulations and free-energy landscape of the primary nucleation and melting of single-molecule polyethylene in dilute solution. <i>Journal of Chemical Physics</i> , 2005, 123, 144907.	3.0	19
12	Impact of Phosphorylation and Pseudophosphorylation on the Early Stages of Aggregation of the Microtubule-Associated Protein Tau. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2095-2103.	2.6	14
13	A generalized mean field theory of coarse-graining. <i>Journal of Chemical Physics</i> , 2011, 135, 124103.	3.0	11
14	Coarse-Grained Modeling of Simple Molecules at Different Resolutions in the Absence of Good Sampling. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8337-8349.	2.6	11
15	Transient and equilibrated single-molecule crystals of polyethylene: Molecular-dynamics studies of the lamellar fold length. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 364, 183-189.	2.6	5
16	Free-energy effects in single-molecule polymer crystals. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 5021-5024.	3.1	3
17	Computational and experimental analysis of short peptide motifs for enzyme inhibition. <i>PLoS ONE</i> , 2017, 12, e0182847.	2.5	2
18	Tau(273-284): A Molecular Dynamics Study of Intrinsically Disordered Protein Conformations in the Presence of Osmolytes. <i>Biophysical Journal</i> , 2014, 106, 483a.	0.5	1

#	ARTICLE	IF	CITATIONS
19	The free-energy landscape of single-molecule polymer crystals. Philosophical Magazine, 2007, 87, 411-415.	1.6	0