Luca Larini

List of Publications by Year
in descending order

19	1,142	759233 12	839539 18
papers	citations	h-index	g-index

19	19	19	1721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Universal scaling between structural relaxation and vibrational dynamics inÂglass-forming liquids and polymers. Nature Physics, 2008, 4, 42-45.	16.7	272
2	Regulation and aggregation of intrinsically disordered peptides. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2758-2763.	7.1	162
3	Tau Assembly: The Dominant Role of PHF6 (VQIVYK) in Microtubule Binding Region Repeat R3. Journal of Physical Chemistry B, 2015, 119, 4582-4593.	2.6	134
4	The multiscale coarse-graining method. VI. Implementation of three-body coarse-grained potentials. Journal of Chemical Physics, 2010, 132, 164107.	3.0	113
5	Langevin stabilization of molecular-dynamics simulations of polymers by means of quasisymplectic algorithms. Journal of Chemical Physics, 2007, 126, 104101.	3.0	100
6	Role of Î²-Hairpin Formation in Aggregation: The Self-Assembly of the Amyloid-Î²(25â€“35) Peptide. Biophysical Journal, 2012, 103, 576-586.	0.5	93
7	Double Resolution Model for Studying TMAO/Water Effective Interactions. Journal of Physical Chemistry B, 2013, 117, 13268-13277.	2.6	93
8	Initiation of assembly of tau(273-284) and its Î”K280 mutant: an experimental and computational study. Physical Chemistry Chemical Physics, 2013, 15, 8916.	2.8	54
9	A Hierarchical Model To Understand the Processing of Polysaccharides/Protein-Based Films in Ionic Liquids. Biomacromolecules, 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. Journal of Physics Condensed Matter, 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. Journal of Chemical Physics, 2005, 123, 144907.	3.0	19
12	Impact of Phosphorylation and Pseudophosphorylation on the Early Stages of Aggregation of the Microtubule-Associated Protein Tau. Journal of Physical Chemistry B, 2017, 121, 2095-2103.	2.6	14
13	A generalized mean field theory of coarse-graining. Journal of Chemical Physics, 2011, 135, 124103.	3.0	11
14	Coarse-Grained Modeling of Simple Molecules at Different Resolutions in the Absence of Good Sampling. Journal of Physical Chemistry B, 2012, 116, 8337-8349.	2.6	11
15	Transient and equilibrated single-molecule crystals of polyethylene: Molecular-dynamics studies of the lamellar fold length. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 183-189.	2.6	5
16	Free-energy effects in single-molecule polymer crystals. Journal of Non-Crystalline Solids, 2006, 352, 5021-5024.	3.1	3
17	Computational and experimental analysis of short peptide motifs for enzyme inhibition. PLoS ONE, 2017, 12, e0182847.	2.5	2
18	Tau(273-284): A Molecular Dynamics Study of Intrinsically Disordered Protein Conformations in the Presence of Osmolytes. Biophysical Journal, 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