Ronald D Hills Jr

List of Publications by Year
in descending order

18 papers	1,369 citations	687363 13 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	2000 citing authors

#	Article	IF	Citations
1	Gut Microbiome: Profound Implications for Diet and Disease. Nutrients, 2019, 11, 1613.	4.1	615
2	Insights from Coarse-Grained Gō Models for Protein Folding and Dynamics. International Journal of Molecular Sciences, 2009, 10, 889-905.	4.1	228
3	Multiscale Coarse-Graining of the Protein Energy Landscape. PLoS Computational Biology, 2010, 6, e1000827.	3.2	116
4	Hydrophobic Cooperativity as a Mechanism for Amyloid Nucleation. Journal of Molecular Biology, 2007, 368, 894-901.	4.2	100
5	Structure of the inhibitory region of troponin by site directed spin labeling electron paramagnetic resonance. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12765-12770.	7.1	61
6	Subdomain Competition, Cooperativity, and Topological Frustration in the Folding of CheY. Journal of Molecular Biology, 2008, 382, 485-495.	4.2	51
7	Model parameters for simulation of physiological lipids. Journal of Computational Chemistry, 2016, 37, 1112-1118.	3.3	36
8	Topological Frustration in βα-Repeat Proteins: Sequence Diversity Modulates the Conserved Folding Mechanisms of α/β/α Sandwich Proteins. Journal of Molecular Biology, 2010, 398, 332-350.	4.2	29
9	Mechanism of Binding Site Conformational Switching in the CD44–Hyaluronan Protein–Carbohydrate Binding Interaction. Journal of Molecular Biology, 2011, 406, 631-647.	4.2	28
10	Coarse grain lipid–protein molecular interactions and diffusion with MsbA flippase. Proteins: Structure, Function and Bioinformatics, 2012, 80, 2178-2190.	2.6	23
11	The Structure of the NXF2/NXT1 Heterodimeric Complex Reveals the Combined Specificity and Versatility of the NTF2-Like Fold. Journal of Molecular Biology, 2012, 415, 649-665.	4.2	22
12	Peptide Backbone Sampling Convergence with the Adaptive Biasing Force Algorithm. Journal of Physical Chemistry B, 2013, 117, 518-526.	2.6	20
13	Coevolution of Function and the Folding Landscape: Correlation with Density of Native Contacts. Biophysical Journal, 2008, 95, L57-L59.	0.5	18
14	Balancing Bond, Nonbond, and Gō-Like Terms in Coarse Grain Simulations of Conformational Dynamics. Methods in Molecular Biology, 2014, 1084, 123-140.	0.9	7
15	Simulation of lipid-protein interactions with the CgProt force field. AIMS Molecular Science, 2017, 4, 352-369.	0.5	6
16	Refining amino acid hydrophobicity for dynamics simulation of membrane proteins. PeerJ, 2018, 6, e4230.	2.0	5
17	Guide to Popular Diets, Food Choices, and Their Health Outcome. Health Care Current Reviews, 2018, 06, .	0.1	2
18	Statin Treatment in Specific Patient Groups: Role for Improved Cardiovascular Risk Markers. Journal of Clinical Medicine, 2020, 9, 3748.	2.4	2