

Zachary A Levine

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

678
citations

840585

11
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation and aggregation of intrinsically disordered peptides. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2758-2763.	3.3	162
2	Determination of Biomembrane Bending Moduli in Fully Atomistic Simulations. Journal of the American Chemical Society, 2014, 136, 13582-13585.	6.6	92
3	Simulations of disordered proteins and systems with conformational heterogeneity. Current Opinion in Structural Biology, 2017, 43, 95-103.	2.6	78
4	Surface force measurements and simulations of mussel-derived peptide adhesives on wet organic surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4332-4337.	3.3	77
5	Significant Performance Enhancement of Polymer Resins by Bioinspired Dynamic Bonding. Advanced Materials, 2017, 29, 1703026.	11.1	63
6	Quantitative Limits on Small Molecule Transport via the Electroporeome – Measuring and Modeling Single Nanosecond Perturbations. Scientific Reports, 2017, 7, 57.	1.6	34
7	Molecularly Smooth Self-Assembled Monolayer for High-Mobility Organic Field-Effect Transistors. Nano Letters, 2016, 16, 6709-6715.	4.5	31
8	Trp-Cage Folding on Organic Surfaces. Journal of Physical Chemistry B, 2015, 119, 10417-10425.	1.2	28
9	To What Extent Does Surface Hydrophobicity Dictate Peptide Folding and Stability near Surfaces?. Langmuir, 2015, 31, 12223-12230.	1.6	20
10	The Mitochondrial Peptide Humanin Targets but Does Not Denature Amyloid Oligomers in Type II Diabetes. Journal of the American Chemical Society, 2019, 141, 14168-14179.	6.6	17
11	Targeting the Intrinsically Disordered Proteome Using Small-Molecule Ligands. Methods in Enzymology, 2018, 611, 703-734.	0.4	14
12	Studying the Early Stages of Protein Aggregation Using Replica Exchange Molecular Dynamics Simulations. Methods in Molecular Biology, 2016, 1345, 225-250.	0.4	13
13	Analyses of protein cores reveal fundamental differences between solution and crystal structures. Proteins: Structure, Function and Bioinformatics, 2020, 88, 1154-1161.	1.5	13
14	Age-dependent ataxia and neurodegeneration caused by an α -II spectrin mutation with impaired regulation of its calpain sensitivity. Scientific Reports, 2021, 11, 7312.	1.6	10
15	α -CGRP disrupts amylin fibrillization and regulates insulin secretion: implications on diabetes and migraine. Chemical Science, 2021, 12, 5853-5864.	3.7	6
16	A threonine zipper that mediates protein-protein interactions: Structure and prediction. Protein Science, 2018, 27, 1969-1977.	3.1	5
17	Defining the Neuropathological Aggresome across <i>in Silico</i> , <i>in Vitro</i> , and <i>ex Vivo</i> Experiments. Journal of Physical Chemistry B, 2021, 125, 1974-1996.	1.2	5
18	Molecular Context of Dopa Influences Adhesion of Mussel-Inspired Peptides. Journal of Physical Chemistry B, 2021, 125, 9999-10008.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Using physical features of protein core packing to distinguish real proteins from decoys. Protein Science, 2020, 29, 1931-1944.	3.1	4
20	11th German Conference on Chemoinformatics (GCC 2015). Journal of Cheminformatics, 2016, 8, 18.	2.8	1