

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

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21
all docs

21
docs citations

21
times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-CGRP disrupts amylin fibrillization and regulates insulin secretion: implications on diabetes and migraine. <i>Chemical Science</i> , 2021, 12, 5853-5864.	3.7	6
2	Defining the Neuropathological Aggresome across <i>in Silico</i> , <i>in Vitro</i> , and <i>ex Vivo</i> Experiments. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1974-1996.	1.2	5
3	Age-dependent ataxia and neurodegeneration caused by an Î±II spectrin mutation with impaired regulation of its calpain sensitivity. <i>Scientific Reports</i> , 2021, 11, 7312.	1.6	10
4	Molecular Context of Dopa Influences Adhesion of Mussel-Inspired Peptides. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9999-10008.	1.2	5
5	Using physical features of protein core packing to distinguish real proteins from decoys. <i>Protein Science</i> , 2020, 29, 1931-1944.	3.1	4
6	Analyses of protein cores reveal fundamental differences between solution and crystal structures. <i>Proteins: Structure, Function and Bioinformatics</i> , 2020, 88, 1154-1161.	1.5	13
7	The Mitochondrial Peptide Humanin Targets but Does Not Denature Amyloid Oligomers in Type II Diabetes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14168-14179.	6.6	17
8	A threonine zipper that mediates protein-protein interactions: Structure and prediction. <i>Protein Science</i> , 2018, 27, 1969-1977.	3.1	5
9	Targeting the Intrinsically Disordered Proteome Using Small-Molecule Ligands. <i>Methods in Enzymology</i> , 2018, 611, 703-734.	0.4	14
10	Simulations of disordered proteins and systems with conformational heterogeneity. <i>Current Opinion in Structural Biology</i> , 2017, 43, 95-103.	2.6	78
11	Significant Performance Enhancement of Polymer Resins by Bioinspired Dynamic Bonding. <i>Advanced Materials</i> , 2017, 29, 1703026.	11.1	63
12	Quantitative Limits on Small Molecule Transport via the Electropermeome - Measuring and Modeling Single Nanosecond Perturbations. <i>Scientific Reports</i> , 2017, 7, 57.	1.6	34
13	Surface force measurements and simulations of mussel-derived peptide adhesives on wet organic surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4332-4337.	3.3	77
14	Molecularly Smooth Self-Assembled Monolayer for High-Mobility Organic Field-Effect Transistors. <i>Nano Letters</i> , 2016, 16, 6709-6715.	4.5	31
15	11th German Conference on Chemoinformatics (GCC 2015). <i>Journal of Cheminformatics</i> , 2016, 8, 18.	2.8	1
16	Studying the Early Stages of Protein Aggregation Using Replica Exchange Molecular Dynamics Simulations. <i>Methods in Molecular Biology</i> , 2016, 1345, 225-250.	0.4	13
17	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.	3.3	162
18	To What Extent Does Surface Hydrophobicity Dictate Peptide Folding and Stability near Surfaces?. <i>Langmuir</i> , 2015, 31, 12223-12230.	1.6	20

#	ARTICLE	IF	CITATIONS
19	Trp-Cage Folding on Organic Surfaces. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10417-10425.	1.2	28
20	Determination of Biomembrane Bending Moduli in Fully Atomistic Simulations. <i>Journal of the American Chemical Society</i> , 2014, 136, 13582-13585.	6.6	92