

# Maxwell I Zimmerman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7525940/publications.pdf>

Version: 2024-02-01

15  
papers

1,148  
citations

759233

12  
h-index

996975

15  
g-index

23  
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23  
docs citations

23  
times ranked

1682  
citing authors

#	ARTICLE	IF	CITATIONS
1	A cryptic pocket in Ebola VP35 allosterically controls RNA binding. <i>Nature Communications</i> , 2022, 13, 2269.	12.8	19
2	The SARS-CoV-2 nucleocapsid protein is dynamic, disordered, and phase separates with RNA. <i>Nature Communications</i> , 2021, 12, 1936.	12.8	334
3	SARS-CoV-2 simulations go exascale to predict dramatic spike opening and cryptic pockets across the proteome. <i>Nature Chemistry</i> , 2021, 13, 651-659.	13.6	190
4	Deep learning the structural determinants of protein biochemical properties by comparing structural ensembles with DiffNets. <i>Nature Communications</i> , 2021, 12, 3023.	12.8	42
5	SARS-CoV-2 Nsp16 activation mechanism and a cryptic pocket with pan-coronavirus antiviral potential. <i>Biophysical Journal</i> , 2021, 120, 2880-2889.	0.5	52
6	Naturally Occurring Genetic Variants in the Oxytocin Receptor Alter Receptor Signaling Profiles. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1543-1555.	4.9	6
7	The Cap-Snatching SFTSV Endonuclease Domain Is an Antiviral Target. <i>Cell Reports</i> , 2020, 30, 153-163.e5.	6.4	31
8	Computing and optimizing over all fixed-points of discrete systems on large networks. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200126.	3.4	1
9	Spatial and temporal alterations in protein structure by EGF regulate cryptic cysteine oxidation. <i>Science Signaling</i> , 2020, 13, .	3.6	43
10	Conformational distributions of isolated myosin motor domains encode their mechanochemical properties. <i>ELife</i> , 2020, 9, .	6.0	28
11	Cooperative Changes in Solvent Exposure Identify Cryptic Pockets, Switches, and Allosteric Coupling. <i>Biophysical Journal</i> , 2019, 116, 818-830.	0.5	42
12	Choice of Adaptive Sampling Strategy Impacts State Discovery, Transition Probabilities, and the Apparent Mechanism of Conformational Changes. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 5459-5475.	5.3	55
13	Prediction of New Stabilizing Mutations Based on Mechanistic Insights from Markov State Models. <i>ACS Central Science</i> , 2017, 3, 1311-1321.	11.3	55
14	Designing small molecules to target cryptic pockets yields both positive and negative allosteric modulators. <i>PLoS ONE</i> , 2017, 12, e0178678.	2.5	53
15	FAST Conformational Searches by Balancing Exploration/Exploitation Trade-Offs. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 5747-5757.	5.3	135