

Sony Malhotra

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

844
citations

516710

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526287

27
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32
all docs

32
docs citations

32
times ranked

1423
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic model validation using the <i>CCP-EM</i> software suite. Acta Crystallographica Section D: Structural Biology, 2022, 78, 152-161.	2.3	7
2	The pore conformation of lymphocyte perforin. Science Advances, 2022, 8, eabk3147.	10.3	10
3	Stepwise pathogenic evolution of <i>Mycobacterium abscessus</i>. Science, 2021, 372, .	12.6	91
4	Structure-Guided Computational Approaches to Unravel Druggable Proteomic Landscape of Mycobacterium leprae. Frontiers in Molecular Biosciences, 2021, 8, 663301.	3.5	2
5	Assessment of proteinâ€“protein interfaces in cryo-EM derived assemblies. Nature Communications, 2021, 12, 3399.	12.8	20
6	<i>TEMPy</i>: a Python library with improved 3D electron microscopy density-fitting and validation workflows. Acta Crystallographica Section D: Structural Biology, 2021, 77, 41-47.	2.3	32
7	ProCarbDB: a database of carbohydrate-binding proteins. Nucleic Acids Research, 2020, 48, D368-D375.	14.5	17
8	HARP: a database of structural impacts of systematic missense mutations in drug targets of Mycobacterium leprae. Computational and Structural Biotechnology Journal, 2020, 18, 3692-3704.	4.1	16
9	<i>KMT2B</i>-related disorders: expansion of the phenotypic spectrum and long-term efficacy of deep brain stimulation. Brain, 2020, 143, 3242-3261.	7.6	57
10	Editorial overview: Carbohydrates â€“ structural glycobiology catches the wave of rapid progress. Current Opinion in Structural Biology, 2020, 62, iii-v.	5.7	1
11	Combining Information from Crosslinks and Monolinks in the Modeling of Protein Structures. Structure, 2020, 28, 1061-1070.e3.	3.3	17
12	Fragment-based discovery of a new class of inhibitors targeting mycobacterial tRNA modification. Nucleic Acids Research, 2020, 48, 8099-8112.	14.5	20
13	Computational saturation mutagenesis to predict structural consequences of systematic mutations in the beta subunit of RNA polymerase in Mycobacterium leprae. Computational and Structural Biotechnology Journal, 2020, 18, 271-286.	4.1	27
14	The current structural glycome landscape and emerging technologies. Current Opinion in Structural Biology, 2020, 62, 132-139.	5.7	13
15	Modelling structures in cryo-EM maps. Current Opinion in Structural Biology, 2019, 58, 105-114.	5.7	53
16	Identification and Characterization of Genetic Determinants of Isoniazid and Rifampicin Resistance in Mycobacterium tuberculosis in Southern India. Scientific Reports, 2019, 9, 10283.	3.3	32
17	Understanding the impacts of missense mutations on structures and functions of human cancer-related genes: A preliminary computational analysis of the COSMIC Cancer Gene Census. PLoS ONE, 2019, 14, e0219935.	2.5	10
18	Cryoâ€“electron microscopy targets in CASP13: Overview and evaluation of results. Proteins: Structure, Function and Bioinformatics, 2019, 87, 1128-1140.	2.6	21

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19	Mycobacterial genomics and structural bioinformatics: opportunities and challenges in drug discovery. <i>Emerging Microbes and Infections</i> , 2019, 8, 109-118.	6.5	26
20	Structural Implications of Mutations Conferring Rifampin Resistance in <i>Mycobacterium leprae</i> . <i>Scientific Reports</i> , 2018, 8, 5016.	3.3	41
21	Clinical and molecular characterization of <i>KCNT1</i> -related severe early-onset epilepsy. <i>Neurology</i> , 2018, 90, e55-e66.	1.1	89
22	Identification of new allosteric sites and modulators of AChE through computational and experimental tools. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1034-1047.	5.2	33
23	Disruption of a Structurally Important Extracellular Element in the Glycine Receptor Leads to Decreased Synaptic Integration and Signaling Resulting in Severe Startle Disease. <i>Journal of Neuroscience</i> , 2017, 37, 7948-7961.	3.6	15
24	TIBLE: a web-based, freely accessible resource for small-molecule binding data for mycobacterial species. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	3.0	5
25	Structural Biology and the Design of New Therapeutics: From HIV and Cancer to Mycobacterial Infections. <i>Journal of Molecular Biology</i> , 2017, 429, 2677-2693.	4.2	39
26	Decoding the similarities and differences among mycobacterial species. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005883.	3.0	37
27	Refinement of atomic models in high resolution EM reconstructions using Flex-EM and local assessment. <i>Methods</i> , 2016, 100, 42-49.	3.8	101
28	Structure-guided, target-based drug discovery - exploiting genome information from HIV to mycobacterial infections. <i>Postepy Biochemii</i> , 2016, 62, 262-272.	0.2	2
29	Structural Interface Parameters Are Discriminatory in Recognising Near-Native Poses of Protein-Protein Interactions. <i>PLoS ONE</i> , 2014, 9, e80255.	2.5	9