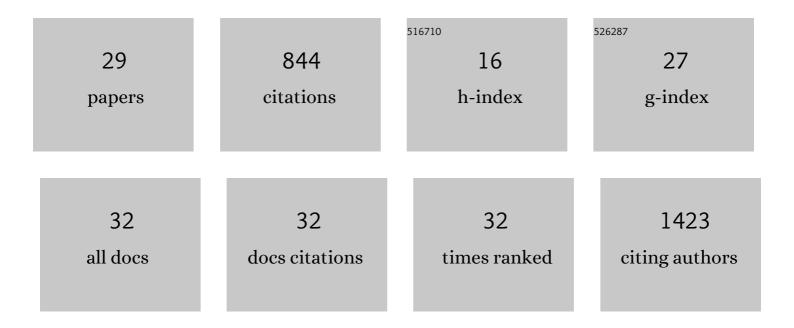
Sony Malhotra

List of Publications by Year in descending order

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SONV MALHOTRA

#	Article	IF	CITATIONS
1	Refinement of atomic models in high resolution EM reconstructions using Flex-EM and local assessment. Methods, 2016, 100, 42-49.	3.8	101
2	Stepwise pathogenic evolution of <i>Mycobacterium abscessus</i> . Science, 2021, 372, .	12.6	91
3	Clinical and molecular characterization of <i>KCNT1</i> -related severe early-onset epilepsy. Neurology, 2018, 90, e55-e66.	1.1	89
4	<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
5	Modelling structures in cryo-EM maps. Current Opinion in Structural Biology, 2019, 58, 105-114.	5.7	53
6	Structural Implications of Mutations Conferring Rifampin Resistance in Mycobacterium leprae. Scientific Reports, 2018, 8, 5016.	3.3	41
7	Structural Biology and the Design of New Therapeutics: From HIV and Cancer to Mycobacterial Infections. Journal of Molecular Biology, 2017, 429, 2677-2693.	4.2	39
8	Decoding the similarities and differences among mycobacterial species. PLoS Neglected Tropical Diseases, 2017, 11, e0005883.	3.0	37
9	Identification of new allosteric sites and modulators of AChE through computational and experimental tools. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1034-1047.	5.2	33
10	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
11	<i>TEMPy</i> 2: 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
12	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
13	Mycobacterial genomics and structural bioinformatics: opportunities and challenges in drug discovery. Emerging Microbes and Infections, 2019, 8, 109-118.	6.5	26
14	Cryoâ€electron microscopy targets in CASP13: Overview and evaluation of results. Proteins: Structure, Function and Bioinformatics, 2019, 87, 1128-1140.	2.6	21
15	Fragment-based discovery of a new class of inhibitors targeting mycobacterial tRNA modification. Nucleic Acids Research, 2020, 48, 8099-8112.	14.5	20
16	Assessment of protein–protein interfaces in cryo-EM derived assemblies. Nature Communications, 2021, 12, 3399.	12.8	20
17	ProCarbDB: a database of carbohydrate-binding proteins. Nucleic Acids Research, 2020, 48, D368-D375.	14.5	17
18	Combining Information from Crosslinks and Monolinks in the Modeling of Protein Structures. Structure, 2020, 28, 1061-1070.e3.	3.3	17

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#	Article	IF	CITATIONS
19	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
20	Disruption of a Structurally Important Extracellular Element in the Glycine Receptor Leads to Decreased Synaptic Integration and Signaling Resulting in Severe Startle Disease. Journal of Neuroscience, 2017, 37, 7948-7961.	3.6	15
21	The current structural glycome landscape and emerging technologies. Current Opinion in Structural Biology, 2020, 62, 132-139.	5.7	13
22	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
23	The pore conformation of lymphocyte perforin. Science Advances, 2022, 8, eabk3147.	10.3	10
24	Structural Interface Parameters Are Discriminatory in Recognising Near-Native Poses of Protein-Protein Interactions. PLoS ONE, 2014, 9, e80255.	2.5	9
25	Atomic model validation using the <i>CCP-EM</i> software suite. Acta Crystallographica Section D: Structural Biology, 2022, 78, 152-161.	2.3	7
26	TIBLE: a web-based, freely accessible resource for small-molecule binding data for mycobacterial species. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	3.0	5
27	Structure-Guided Computational Approaches to Unravel Druggable Proteomic Landscape of Mycobacterium leprae. Frontiers in Molecular Biosciences, 2021, 8, 663301.	3.5	2
28	Structure-guided, target-based drug discovery - exploiting genome information from HIV to mycobacterial infections. Postepy Biochemii, 2016, 62, 262-272.	0.2	2
29	Editorial overview: Carbohydrates – structural glycobiology catches the wave of rapid progress. Current Opinion in Structural Biology, 2020, 62, iii-v.	5.7	1