

Madhumati Sevvana

List of Publications by Year in descending order

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34
papers

1,634
citations

430442

18
h-index

433756

31
g-index

37
all docs

37
docs citations

37
times ranked

2620
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelium-protective sphingosine-1-phosphate provided by HDL-associated apolipoprotein M. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9613-9618.	3.3	512
2	Structural biology of Zika virus and other flaviviruses. Nature Structural and Molecular Biology, 2018, 25, 13-20.	3.6	144
3	A Ligand-Induced Switch in the Periplasmic Domain of Sensor Histidine Kinase CitA. Journal of Molecular Biology, 2008, 377, 512-523.	2.0	110
4	Pacmanvirus, a New Giant Icosahedral Virus at the Crossroads between Asfarviridae and Faustoviruses. Journal of Virology, 2017, 91, .	1.5	99
5	Refinement and Analysis of the Mature Zika Virus Cryo-EM Structure at 3.1Å... Resolution. Structure, 2018, 26, 1169-1177.e3.	1.6	83
6	Crystal Structure of the Human Cytomegalovirus pUL50-pUL53 Core Nuclear Egress Complex Provides Insight into a Unique Assembly Scaffold for Virus-Host Protein Interactions. Journal of Biological Chemistry, 2015, 290, 27452-27458.	1.6	71
7	Serendipitous Fatty Acid Binding Reveals the Structural Determinants for Ligand Recognition in Apolipoprotein M. Journal of Molecular Biology, 2009, 393, 920-936.	2.0	62
8	Crystal Structure and Functional Analysis of the Protein Disulfide Isomerase-Related Protein ERp29. Journal of Molecular Biology, 2009, 385, 1630-1642.	2.0	60
9	Crystal Structure of Cytomegalovirus IE1 Protein Reveals Targeting of TRIM Family Member PML via Coiled-Coil Interactions. PLoS Pathogens, 2014, 10, e1004512.	2.1	60
10	Gutingimycin: A Highly Complex Metabolite from a Marine Streptomyccete. Angewandte Chemie - International Edition, 2004, 43, 1281-1283.	7.2	58
11	Structural basis of a potent human monoclonal antibody against Zika virus targeting a quaternary epitope. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1591-1596.	3.3	53
12	Specific Residues of a Conserved Domain in the N Terminus of the Human Cytomegalovirus pUL50 Protein Determine Its Intranuclear Interaction with pUL53. Journal of Biological Chemistry, 2012, 287, 24004-24016.	1.6	35
13	Non-merohedral twinning: from minerals to proteins. Acta Crystallographica Section D: Structural Biology, 2019, 75, 1040-1050.	1.1	33
14	A protein functional leap: how a single mutation reverses the function of the transcription regulator TetR. Nucleic Acids Research, 2008, 36, 4390-4401.	6.5	32
15	Kettapeptin: Isolation, Structure Elucidation and Activity of a New Hexadepsipeptide Antibiotic from a Terrestrial Streptomyces sp.. Journal of Antibiotics, 2006, 59, 309-314.	1.0	25
16	Structures of viscotoxins A1 and B2 from European mistletoe solved using native data alone. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 985-992.	2.5	24
17	Mapping of a Substrate Binding Site in the Protein Disulfide Isomerase-related Chaperone Wind Based on Protein Function and Crystal Structure. Journal of Biological Chemistry, 2004, 279, 39829-39837.	1.6	22
18	Mapping the diverse structural landscape of the flavivirus antibody repertoire. Current Opinion in Virology, 2020, 45, 51-64.	2.6	22

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19	Structure-guided paradigm shifts in flavivirus assembly and maturation mechanisms. <i>Advances in Virus Research</i> , 2020, 108, 33-83.	0.9	20
20	Principles of Virus Structure. , 2021, , 257-277.		15
21	An Exclusive $\hat{\pm}/\hat{i}^2$ Code Directs Allostery in TetRâ€“Peptide Complexes. <i>Journal of Molecular Biology</i> , 2012, 416, 46-56.	2.0	14
22	Synthesis of novel steroid-tetrahydroquinoline hybrid molecules and d-homosteroids by intramolecular cyclization reactions. <i>Steroids</i> , 2004, 69, 301-312.	0.8	13
23	Sesquiterpene Lactones from <i>Elephantopus scaber</i> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 200-204.	0.3	13
24	Halichondria sulfonic acid, a new HIV-1 inhibitory guanidino-sulfonic acid, and halistanol sulfate isolated from the marine sponge <i>Halichondria rugosa</i> Ridley & Dendy. <i>Natural Product Research</i> , 2006, 20, 1129-1135.	1.0	12
25	Structural perspectives on HCV humoral immune evasion mechanisms. <i>Current Opinion in Virology</i> , 2021, 49, 92-101.	2.6	9
26	Mouse ApoM Displays an Unprecedented Seven-Stranded Lipocalin Fold: Folding Decoy or Alternative Native Fold?. <i>Journal of Molecular Biology</i> , 2010, 404, 363-371.	2.0	8
27	Crystallization and preliminary crystallographic analysis of the global nitrogen regulator AmtR from <i>Corynebacterium glutamicum</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1123-1127.	0.7	7
28	Structural Basis of Zika Virus Specific Neutralization in Subsequent Flavivirus Infections. <i>Viruses</i> , 2020, 12, 1346.	1.5	7
29	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of YvoA from <i>Bacillus subtilis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 410-414.	0.7	5
30	Structural elucidation of the PDI-related chaperone Wind with the help of mutants. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 589-594.	2.5	3
31	Similarities in the structure of the transcriptional repressor AmtR in two different space groups suggest a model for the interaction with GlnK. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 146-151.	0.4	2
32	Highly Diastereoselective Sequential Michael-Aldol Reactions of Methyl 2-Chloro-2-cyclopropylideneacetate with Grignard Reagents and Aldehydes. <i>Synthesis</i> , 2006, 2006, 471-479.	1.2	0
33	Quaternary epitope landscape of Zika virus antibody complexes. <i>Microscopy and Microanalysis</i> , 2021, 27, 1132-1133.	0.2	0
34	Novel agonists and antagonists question molecular recognition and information transmission in TetR. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s139-s139.	0.3	0