

Gagan Deep Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

480
citations

932766

10
h-index

752256

20
g-index

28
all docs

28
docs citations

28
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural insights into SARS-CoV-2 proteins. <i>Journal of Molecular Biology</i> , 2021, 433, 166725.	2.0	241
2	Crystal Structure of Allophycocyanin from Marine Cyanobacterium <i>Phormidium</i> sp. A09DM. <i>PLoS ONE</i> , 2015, 10, e0124580.	1.1	30
3	Target highlights in <sc>CASP14</sc>: Analysis of models by structure providers. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1647-1672.	1.5	27
4	Co-expressed recombinant human Translin-Trax complex binds DNA. <i>FEBS Letters</i> , 2005, 579, 3141-3146.	1.3	18
5	Crystal structure analysis of C-phycoerythrin from marine cyanobacterium <i>Phormidium</i> sp. A09DM. <i>Photosynthesis Research</i> , 2016, 129, 17-28.	1.6	15
6	Molecular Evolution of Translin Superfamily Proteins Within the Genomes of Eubacteria, Archaea and Eukaryotes. <i>Journal of Molecular Evolution</i> , 2012, 75, 155-167.	0.8	14
7	Receptor protein of <i>Lysinibacillus sphaericus</i> mosquito-larvicidal toxin displays amylomaltase activity. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 93, 37-46.	1.2	13
8	Crystal structures of <i>Drosophila</i> mutant translin and characterization of translin variants reveal the structural plasticity of translin proteins. <i>FEBS Journal</i> , 2008, 275, 4235-4249.	2.2	12
9	<i>Phormidium</i> phycoerythrin forms hexamers in crystals: a crystallographic study. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 998-1004.	0.4	12
10	Crystal structure analysis of phycoerythrin from chromatically adapted <i>Phormidium rubidum</i> A09DM. <i>RSC Advances</i> , 2016, 6, 77898-77907.	1.7	11
11	Antibacterial activity of new structural class of semisynthetic molecule, triphenyl-phosphonium conjugated diarylheptanoid. <i>Free Radical Biology and Medicine</i> , 2019, 143, 140-145.	1.3	11
12	PEGylation Enhances Mosquito-Larvicidal Activity of <i>Lysinibacillus sphaericus</i> Binary Toxin. <i>Bioconjugate Chemistry</i> , 2017, 28, 410-418.	1.8	8
13	Identification of Nucleic Acid Binding Sites on Translin-Associated Factor X (TRAX) Protein. <i>PLoS ONE</i> , 2012, 7, e33035.	1.1	8
14	Characterization of a plant (rice) translin and its comparative analysis with human translin. <i>Planta</i> , 2014, 240, 357-368.	1.6	7
15	Mosquito-larvicidal BinA toxin displays affinity for glycoconjugates: Proposal for BinA mediated cytotoxicity. <i>Journal of Invertebrate Pathology</i> , 2018, 156, 29-40.	1.5	7
16	Low-resolution structure of <i>Drosophila</i> translin. <i>FEBS Open Bio</i> , 2012, 2, 37-46.	1.0	6
17	Mosquito-larvicidal binary toxin receptor protein (Cqm1): crystallization and X-ray crystallographic analysis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 571-577.	0.4	6
18	Pharmacological characterization of a structurally new class of antibacterial compound, triphenyl-phosphonium conjugated diarylheptanoid: Antibacterial activity and molecular mechanism. <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	5

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19	Characterization of a DUF820 family protein Alr3200 of the cyanobacterium <i>Anabaena</i> sp. strain PCC7120. <i>Journal of Biosciences</i> , 2016, 41, 589-600.	0.5	4
20	A translationally controlled tumor protein (TCTP) is involved in growth and antagonistic behaviour of <i>Trichoderma virens</i> . <i>Physiological and Molecular Plant Pathology</i> , 2021, 114, 101605.	1.3	4
21	Rec(F/O/R) proteins of the nitrogen-fixing cyanobacterium <i>Nostoc</i> PCC7120: In silico and expression analysis. <i>Gene</i> , 2021, 788, 145663.	1.0	4
22	Structure-function analysis reveals <i>Trichoderma virens</i> Tsp1 to be a novel fungal effector protein modulating plant defence. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 267-276.	3.6	4
23	Structural and mutational analyses reveal the functional role of active-site Lys-154 and Asp-173 of <i>Salmonella typhimurium</i> AphA protein. <i>Archives of Biochemistry and Biophysics</i> , 2007, 464, 70-79.	1.4	3
24	Expression, purification, crystallization and X-ray diffraction studies of a novel root-induced secreted protein from <i>Trichoderma virens</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 257-262.	0.4	3
25	Molecular basis for reduced cleavage activity and drug resistance in D30N HIV-1 protease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 13127-13135.	2.0	3
26	Expression of a heptelidic acid-insensitive recombinant GAPDH from <i>Trichoderma virens</i> , and its biochemical and biophysical characterization. <i>Protein Expression and Purification</i> , 2020, 175, 105697.	0.6	2
27	Crystal structure analysis of phycoerythrin from marine cyanobacterium <i>Halomicronema</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 3752-3761.	2.0	2
28	SANS study of Cqm1 protein solution. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0