

Mamannamana Vijayan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

321
citations

1478505

6
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

373
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel mode of carbohydrate recognition in jacalin, a Moraceae plant lectin with a β^2 -prism fold. <i>Nature Structural Biology</i> , 1996, 3, 596-603.	9.7	224
2	Structural biology of <i>Mycobacterium tuberculosis</i> proteins: The Indian efforts. <i>Tuberculosis</i> , 2011, 91, 456-468.	1.9	22
3	A Histidine Aspartate Ionic Lock Gates the Iron Passage in Miniferritins from <i>Mycobacterium smegmatis</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 11042-11058.	3.4	17
4	Structure, interactions and evolutionary implications of a domain-swapped lectin dimer from <i>Mycobacterium smegmatis</i> . <i>Glycobiology</i> , 2014, 24, 956-965.	2.5	10
5	Structural diversity and ligand specificity of lectins. The Bangalore effort. <i>Pure and Applied Chemistry</i> , 2014, 86, 1335-1355.	1.9	9
6	A Mutation Directs the Structural Switch of DNA Binding Proteins under Starvation to a Ferritin-like Protein Cage. <i>Structure</i> , 2017, 25, 1449-1454.e3.	3.3	7
7	Negative Cooperativity and High Affinity in Chitooligosaccharide Binding by a <i>Mycobacterium smegmatis</i> Protein Containing LysM and Lectin Domains. <i>Biochemistry</i> , 2016, 55, 49-61.	2.5	5
8	Distortion of the ligand molecule as a strategy for modulating binding affinity: Further studies involving complexes of jacalin with β^2 -substituted disaccharides. <i>IUBMB Life</i> , 2017, 69, 72-78.	3.4	5
9	Crystallographic data deposition. <i>Nature</i> , 1996, 379, 202-202.	27.8	4
10	Structure, interactions and action of <i>Mycobacterium tuberculosis</i> 3-hydroxyisobutyric acid dehydrogenase. <i>Biochemical Journal</i> , 2018, 475, 2457-2471.	3.7	4
11	Effect of linkage on the location of reducing and nonreducing sugars bound to jacalin. <i>IUBMB Life</i> , 2016, 68, 971-979.	3.4	3
12	Ligand binding and retention in snake gourd seed lectin (SGSL). A crystallographic, thermodynamic and molecular dynamics study. <i>Glycobiology</i> , 2018, 28, 968-977.	2.5	3
13	Structural and related studies on Mevo lectin from <i>Methanococcus voltae</i> A3: the first thorough characterization of an archeal lectin and its interactions. <i>Glycobiology</i> , 2021, 31, 315-328.	2.5	3
14	Mevo lectin specificity toward high-mannose structures with terminal β -Man(1,2) β -Man residues and its implication to inhibition of the entry of <i>Mycobacterium tuberculosis</i> into macrophages. <i>Glycobiology</i> , 2021, 31, 1046-1059.	2.5	3
15	Structural studies on <i>M. tuberculosis</i> argininosuccinate lyase and its liganded complex: Insights into catalytic mechanism. <i>IUBMB Life</i> , 2019, 71, 643-652.	3.4	2
16	Letter to the Editor. <i>Journal of Biomolecular Structure and Dynamics</i> , 1996, 13, 583-583.	3.5	0
17	Corrigendum to: "Structural basis for the specificity of basic winged bean lectin for the Tn-antigen: A crystallographic, thermodynamic and modelling study" [FEBS Lett. 579 (2005) 6775-6780]. <i>FEBS Letters</i> , 2006, 580, 2808-2808.	2.8	0