

Harini Mohanram

List of Publications by Year in descending order

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papers

963
citations

471509

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all docs

27
docs citations

27
times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of a consensus chitin-binding domain revealed by solution NMR. <i>Journal of Structural Biology</i> , 2021, 213, 107725.	2.8	4
2	Self-Assembly of a Barnacle Cement Protein (MrCP20) into Adhesive Nanofibrils with Concomitant Regulation of CaCO ₃ Polymorphism. <i>Chemistry of Materials</i> , 2021, 33, 9715-9724.	6.7	9
3	Disorder-Order Interplay of a Barnacle Cement Protein Triggered by Interactions with Calcium and Carbonate Ions: A Molecular Dynamics Study. <i>Chemistry of Materials</i> , 2020, 32, 8845-8859.	6.7	15
4	Accelerated corrosion of marine-grade steel by a redox-active, cysteine-rich barnacle cement protein. <i>Npj Materials Degradation</i> , 2020, 4, .	5.8	9
5	Supramolecular β -Sheet Suckerin-Based Underwater Adhesives. <i>Advanced Functional Materials</i> , 2020, 30, 1907534.	14.9	39
6	A Short Peptide Hydrogel with High Stiffness Induced by 3×10^6 Helices to β -Sheet Transition in Water. <i>Advanced Science</i> , 2019, 6, 1901173.	11.2	36
7	Three-dimensional structure of <i>Megabalanus rosa</i> Cement Protein 20 revealed by multi-dimensional NMR and molecular dynamics simulations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190198.	4.0	22
8	Fast and Green Synthesis of an Oligo-Hydrocaffeic Acid-Based Adhesive. <i>ACS Omega</i> , 2018, 3, 18911-18916.	3.5	3
9	Supramolecular propensity of suckerin proteins is driven by β -sheets and aromatic interactions as revealed by solution NMR. <i>Biomaterials Science</i> , 2018, 6, 2440-2447.	5.4	14
10	Supramolecular β -Sheets Stabilized Protein Nanocarriers for Drug Delivery and Gene Transfection. <i>ACS Nano</i> , 2017, 11, 4528-4541.	14.6	52
11	Salt-resistant short antimicrobial peptides. <i>Biopolymers</i> , 2016, 106, 345-356.	2.4	33
12	β -Lollipop-shaped helical structure of a hybrid antimicrobial peptide of temporin B-lipopolysaccharide binding motif and mapping cationic residues in antibacterial activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1362-1372.	2.4	20
13	β -Boomerang Antimicrobial and Antiendotoxic Peptides: Lipidation and Disulfide Bond Effects on Activity and Structure. <i>Pharmaceutics</i> , 2014, 7, 482-501.	3.8	20
14	Design of short membrane selective antimicrobial peptides containing tryptophan and arginine residues for improved activity, salt-resistance, and biocompatibility. <i>Biotechnology and Bioengineering</i> , 2014, 111, 37-49.	3.3	84
15	Resurrecting Inactive Antimicrobial Peptides from the Lipopolysaccharide Trap. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1987-1996.	3.2	71
16	Cysteine deleted protegrin-1 (CDP-1): Anti-bacterial activity, outer-membrane disruption and selectivity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 3006-3016.	2.4	27
17	NMR Structure of Temporin-1 Ta in Lipopolysaccharide Micelles: Mechanistic Insight into Inactivation by Outer Membrane. <i>PLoS ONE</i> , 2013, 8, e72718.	2.5	31
18	Structural determinants of the specificity of a membrane binding domain of the scaffold protein Ste5 of budding yeast: Implications in signaling by the scaffold protein in MAPK pathway. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1250-1260.	2.6	8

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19	Structure, activity and interactions of the cysteine deleted analog of tachyplesin-1 with lipopolysaccharide micelle: Mechanistic insights into outer-membrane permeabilization and endotoxin neutralization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1613-1624.	2.6	53
20	NMR Structure, Localization, and Vesicle Fusion of Chikungunya Virus Fusion Peptide. <i>Biochemistry</i> , 2012, 51, 7863-7872.	2.5	16
21	Lipopolysaccharide Neutralizing Peptide-Porphyrin Conjugates for Effective Photoinactivation and Intracellular Imaging of Gram-Negative Bacteria Strains. <i>Bioconjugate Chemistry</i> , 2012, 23, 1639-1647.	3.6	105
22	NMR Structures and Interactions of Temporin-1Tl and Temporin-1Tb with Lipopolysaccharide Micelles. <i>Journal of Biological Chemistry</i> , 2011, 286, 24394-24406.	3.4	84
23	Functional and structural characterization of the talin FOF1 domain. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 159-165.	2.1	3
24	Designed β -Boomerang Antiendotoxic and Antimicrobial Peptides. <i>Journal of Biological Chemistry</i> , 2009, 284, 21991-22004.	3.4	94
25	NMR Solution Conformations and Interactions of Integrin β 2 Cytoplasmic Tails. <i>Journal of Biological Chemistry</i> , 2009, 284, 3873-3884.	3.4	31
26	Lipopolysaccharide bound structures of the active fragments of fowlicidin-1, a cathelicidin family of antimicrobial and antiendotoxic peptide from chicken, determined by transferred nuclear overhauser effect spectroscopy. <i>Biopolymers</i> , 2009, 92, 9-22.	2.4	56
27	NMR structural studies of the Ste11 SAM domain in the dodecyl phosphocholine micelle. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 74, 328-343.	2.6	24