

Venkata Shiva Mandala

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,108
citations

516710

16
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effects of Humidity on Spontaneous Cocrystallization: A Survey of Diacid Cocrystals with Caffeine, Theophylline, and Nicotinamide. <i>Journal of Chemical Crystallography</i> , 2022, 52, 479-484.	1.1	6
2	pH- and Calcium-Dependent Aromatic Network in the SARS-CoV-2 Envelope Protein. <i>Journal of the American Chemical Society</i> , 2022, 144, 6839-6850.	13.7	21
3	Water orientation and dynamics in the closed and open influenza B virus M2 proton channels. <i>Communications Biology</i> , 2021, 4, 338.	4.4	20
4	Structure and dynamics of the drug-bound bacterial transporter EmrE in lipid bilayers. <i>Nature Communications</i> , 2021, 12, 172.	12.8	40
5	Bacterial Phosphate Granules Contain Cyclic Polyphosphates: Evidence from ³¹ P Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2020, 142, 18407-18421.	13.7	28
6	Structure and drug binding of the SARS-CoV-2 envelope protein transmembrane domain in lipid bilayers. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1202-1208.	8.2	294
7	Atomic structures of closed and open influenza B M2 proton channel reveal the conduction mechanism. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 160-167.	8.2	52
8	In vitro ON4R tau fibrils contain a monomeric β -sheet core enclosed by dynamically heterogeneous fuzzy coat segments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16357-16366.	7.1	76
9	The peptide hormone glucagon forms amyloid fibrils with two coexisting β -strand conformations. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 592-598.	8.2	58
10	Elucidating Relayed Proton Transfer through a His-Trp-His Triad of a Transmembrane Proton Channel by Solid-State NMR. <i>Journal of Molecular Biology</i> , 2019, 431, 2554-2566.	4.2	16
11	High-Sensitivity Detection of Nanometer ¹ H- ¹⁹ F Distances for Protein Structure Determination by ¹ H-Detected Fast MAS NMR. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4387-4391.	2.6	30
12	High-sensitivity protein solid-state NMR spectroscopy. <i>Current Opinion in Structural Biology</i> , 2019, 58, 183-190.	5.7	23
13	The Transmembrane Conformation of the Influenza B Virus M2 Protein in Lipid Bilayers. <i>Scientific Reports</i> , 2019, 9, 3725.	3.3	16
14	Plastid phylogenomic insights into the evolution of Caryophyllales. <i>Molecular Phylogenetics and Evolution</i> , 2019, 134, 74-86.	2.7	101
15	Structure and Dynamics of Membrane Proteins from Solid-State NMR. <i>Annual Review of Biophysics</i> , 2018, 47, 201-222.	10.0	105
16	Transport-Relevant Protein Conformational Dynamics and Water Dynamics on Multiple Time Scales in an Archetypal Proton Channel: Insights from Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2018, 140, 1514-1524.	13.7	25
17	Determination of Long-Range Distances by Fast Magic-Angle-Spinning Radiofrequency-Driven ¹⁹ F- ¹⁹ F Dipolar Recoupling NMR. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9302-9313.	2.6	37
18	Structural Basis for Asymmetric Conductance of the Influenza M2 Proton Channel Investigated by Solid-State NMR Spectroscopy. <i>Journal of Molecular Biology</i> , 2017, 429, 2192-2210.	4.2	29

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19	Monitoring Cocrystal Formation via In Situ Solid-State NMR. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3340-3344.	4.6	28
20	A targeted enrichment strategy for massively parallel sequencing of angiosperm plastid genomes. <i>Applications in Plant Sciences</i> , 2013, 1, 1200497.	2.1	99