Venkata Shiva Mandala

List of Publications by Year
in descending order

20	1,108	516710 16	752698 20
papers	citations	h-index	g-index

21	21	21	1792
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and drug binding of the SARS-CoV-2 envelope protein transmembrane domain in lipid bilayers. Nature Structural and Molecular Biology, 2020, 27, 1202-1208.	8.2	294
2	Structure and Dynamics of Membrane Proteins from Solid-State NMR. Annual Review of Biophysics, 2018, 47, 201-222.	10.0	105
3	Plastid phylogenomic insights into the evolution of Caryophyllales. Molecular Phylogenetics and Evolution, 2019, 134, 74-86.	2.7	101
4	A targeted enrichment strategy for massively parallel sequencing of angiosperm plastid genomes. Applications in Plant Sciences, 2013, 1, 1200497.	2.1	99
5	In vitro 0N4R tau fibrils contain a monomorphic Î²-sheet core enclosed by dynamically heterogeneous fuzzy coat segments. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16357-16366.	7.1	76
6	The peptide hormone glucagon forms amyloid fibrils with two coexisting Î²-strand conformations. Nature Structural and Molecular Biology, 2019, 26, 592-598.	8.2	58
7	Atomic structures of closed and open influenza B M2 proton channel reveal the conduction mechanism. Nature Structural and Molecular Biology, 2020, 27, 160-167.	8.2	52
8	Structure and dynamics of the drug-bound bacterial transporter EmrE in lipid bilayers. Nature Communications, 2021, 12, 172.	12.8	40
9	Determination of Long-Range Distances by Fast Magic-Angle-Spinning Radiofrequency-Driven ¹⁹Fâ€“¹⁹F Dipolar Recoupling NMR. Journal of Physical Chemistry B, 2018, 122, 9302-9313.	2.6	37
10	High-Sensitivity Detection of Nanometer ¹Hâ€“¹⁹F Distances for Protein Structure Determination by ¹H-Detected Fast MAS NMR. Journal of Physical Chemistry B, 2019, 123, 4387-4391.	2.6	30
11	Structural Basis for Asymmetric Conductance of the Influenza M2 Proton Channel Investigated by Solid-State NMR Spectroscopy. Journal of Molecular Biology, 2017, 429, 2192-2210.	4.2	29
12	Monitoring Cocrystal Formation via In Situ Solid-State NMR. Journal of Physical Chemistry Letters, 2014, 5, 3340-3344.	4.6	28
13	Bacterial Phosphate Granules Contain Cyclic Polyphosphates: Evidence from ³¹P Solid-State NMR. Journal of the American Chemical Society, 2020, 142, 18407-18421.	13.7	28
14	Transport-Relevant Protein Conformational Dynamics and Water Dynamics on Multiple Time Scales in an Archetypal Proton Channel: Insights from Solid-State NMR. Journal of the American Chemical Society, 2018, 140, 1514-1524.	13.7	25
15	High-sensitivity protein solid-state NMR spectroscopy. Current Opinion in Structural Biology, 2019, 58, 183-190.	5.7	23
16	pH- and Calcium-Dependent Aromatic Network in the SARS-CoV-2 Envelope Protein. Journal of the American Chemical Society, 2022, 144, 6839-6850.	13.7	21
17	Water orientation and dynamics in the closed and open influenza B virus M2 proton channels. Communications Biology, 2021, 4, 338.	4.4	20
18	Elucidating Relayed Proton Transfer through a Hisâ€“Trpâ€“His Triad of a Transmembrane Proton Channel by Solid-State NMR. Journal of Molecular Biology, 2019, 431, 2554-2566.	4.2	16

#	Article	IF	Citations
19	The Transmembrane Conformation of the Influenza B Virus M2 Protein in Lipid Bilayers. Scientific Reports, 2019, 9, 3725.	3.3	16
20	The Effects of Humidity on Spontaneous Cocrystallization: A Survey of Diacid Cocrystals with Caffeine, Theophylline, and Nicotinamide. Journal of Chemical Crystallography, 2022, 52, 479-484.	1.1	6