

Kaustubh R Mote

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison between MBP- and NT* as N-terminal fusion partner for recombinant protein production in <i>E. coli</i> . <i>Protein Expression and Purification</i> , 2022, 189, 105991.	1.3	5
2	Solid-State NMR: Methods for Biological Solids. <i>Chemical Reviews</i> , 2022, 122, 9643-9737.	47.7	31
3	CURD: a Single-Shot Strategy to Obtain Assignments and Distance Restraints for Proteins Using Solid-State MAS NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3269-3275.	2.6	4
4	Mechanism of selective polarization exchange amongst chemically similar and distinct protons during weak rf irradiation at fast magic angle spinning. <i>Journal of Magnetic Resonance</i> , 2022, , 107236.	2.1	3
5	Photoactive Anthraquinone-Based Host-Guest Assembly for Long-Lived Charge Separation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10891-10900.	3.1	6
6	Multiplexing experiments in NMR and multi-nuclear MRI. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2021, 124-125, 1-56.	7.5	22
7	Structural basis for sarcolipin's regulation of muscle thermogenesis by the sarcoplasmic reticulum Ca ²⁺ -ATPase. <i>Science Advances</i> , 2021, 7, eabi7154.	10.3	9
8	Probing the Influence of Single-Site Mutations in the Central Cross- β Region of Amyloid β (1-40) Peptides. <i>Biomolecules</i> , 2021, 11, 1848.	4.0	3
9	Simultaneous recording of intra- and inter-residue linking experiments for backbone assignments in proteins at MAS frequencies higher than 60 kHz. <i>Journal of Biomolecular NMR</i> , 2020, 74, 229-237.	2.8	21
10	Activation of Aromatic C-F Bonds by a N-Heterocyclic Olefin (NHO). <i>Chemistry - A European Journal</i> , 2020, 26, 5951-5955.	3.3	18
11	Overcoming Prohibitively Large Radiofrequency Demands for the Measurement of Internuclear Distances with Solid-State NMR under Fast Magic-Angle Spinning. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1444-1451.	2.6	7
12	On the direct relation between REDOR and DIPSHIFT experiments in solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2019, 308, 106563.	2.1	9
13	NMR Crystallography at Fast Magic-Angle Spinning Frequencies: Application of Novel Recoupling Methods. <i>Crystals</i> , 2019, 9, 231.	2.2	13
14	Experiments with direct detection of multiple FIDs. <i>Journal of Magnetic Resonance</i> , 2019, 304, 16-34.	2.1	16
15	Measuring strong one-bond dipolar couplings using REDOR in magic-angle spinning solid-state NMR. <i>Journal of Chemical Physics</i> , 2019, 150, 134201.	3.0	14
16	Simultaneous homonuclear and heteronuclear spin decoupling in magic-angle spinning solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2018, 90, 7-12.	2.3	1
17	Reactivity enhancement of a diphosphene by reversible N-heterocyclic carbene coordination. <i>Chemical Science</i> , 2018, 9, 4235-4243.	7.4	26
18	¹³ C- β - ¹ H transfer of light-induced hyperpolarization allows for selective detection of protons in frozen photosynthetic reaction center. <i>Journal of Magnetic Resonance</i> , 2018, 293, 82-91.	2.1	11

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19	Major Reaction Coordinates Linking Transient Amyloid- β^2 Oligomers to Fibrils Measured at Atomic Level. <i>Biophysical Journal</i> , 2017, 113, 805-816.	0.5	32
20	Perturbation of the F19-L34 Contact in Amyloid β^2 (1-40) Fibrils Induces Only Local Structural Changes but Abolishes Cytotoxicity. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4740-4745.	4.6	14
21	Sine-squared shifted pulses for recoupling interactions in solid-state NMR. <i>Journal of Chemical Physics</i> , 2017, 146, 244201.	3.0	3
22	A suite of pulse sequences based on multiple sequential acquisitions at one and two radiofrequency channels for solid-state magic-angle spinning NMR studies of proteins. <i>Journal of Biomolecular NMR</i> , 2016, 65, 127-141.	2.8	25
23	Positron annihilation and nuclear magnetic resonance study of the phase behavior of water confined in mesopores at different levels of hydration. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12886-12895.	2.8	9
24	Five decades of homonuclear dipolar decoupling in solid-state NMR: Status and outlook. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2016, 97, 1-39.	7.5	55
25	Proton-detected solid-state NMR spectroscopy of fully protonated proteins at slow to moderate magic-angle spinning frequencies. <i>Journal of Magnetic Resonance</i> , 2015, 261, 149-156.	2.1	9
26	SBA-15 Oxynitrides as a Solid-Base Catalyst: Effect of Nitridation Temperature on Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5985-5989.	13.8	25
27	Simultaneous acquisition of 2D and 3D solid-state NMR experiments for sequential assignment of oriented membrane protein samples. <i>Journal of Biomolecular NMR</i> , 2015, 62, 53-61.	2.8	28
28	Cell-Membrane-Mimicking Lipid-Coated Nanoparticles Confer Raman Enhancement to Membrane Proteins and Reveal Membrane-Attached Amyloid- β^2 Conformation. <i>ACS Nano</i> , 2015, 9, 9070-9077.	14.6	81
29	Structural Dynamics and Conformational Equilibria of SERCA Regulatory Proteins in Membranes by Solid-State NMR Restrained Simulations. <i>Biophysical Journal</i> , 2014, 106, 2566-2576.	0.5	20
30	Determination of structural topology of a membrane protein in lipid bilayers using polarization optimized experiments (POE) for static and MAS solid state NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2013, 57, 91-102.	2.8	32
31	Structural Dynamics and Topology of Phosphorylated Phospholamban Homopentamer Reveal Its Role in the Regulation of Calcium Transport. <i>Structure</i> , 2013, 21, 2119-2130.	3.3	41
32	Allosteric regulation of SERCA by phosphorylation-mediated conformational shift of phospholamban. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17338-17343.	7.1	112
33	Sensitivity and resolution enhancement of oriented solid-state NMR: Application to membrane proteins. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2013, 75, 50-68.	7.5	25
34	Multidimensional oriented solid-state NMR experiments enable the sequential assignment of uniformly ^{15}N labeled integral membrane proteins in magnetically aligned lipid bilayers. <i>Journal of Biomolecular NMR</i> , 2011, 51, 339-346.	2.8	36
35	Proton evolved local field solid-state nuclear magnetic resonance using Hadamard encoding: Theory and application to membrane proteins. <i>Journal of Chemical Physics</i> , 2011, 135, 074503.	3.0	13
36	Sensitivity Enhanced Heteronuclear Correlation Spectroscopy in Multidimensional Solid-State NMR of Oriented Systems via Chemical Shift Coherences. <i>Journal of the American Chemical Society</i> , 2010, 132, 5357-5363.	13.7	23