Manman Lu

List of Publications by Year
in descending order

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21 papers	764 citations	623734 14 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	850 citing authors

#	Article	IF	Citations
1	Visualizing Proteins in Mammalian Cells by ¹⁹F NMR Spectroscopy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
2	The Magic of Linking Rings: Discovery of a Unique Photoinduced Fluorescent Protein Crosslink. Journal of the American Chemical Society, 2022, 144, 10809-10816.	13.7	4
3	Atomic-Resolution Structure of SARS-CoV-2 Nucleocapsid Protein N-Terminal Domain. Journal of the American Chemical Society, 2022, 144, 10543-10555.	13.7	12
4	Atomic-resolution structure of HIV-1 capsid tubes by magic-angle spinning NMR. Nature Structural and Molecular Biology, 2020, 27, 863-869.	8.2	58
5	Accurate Backbone ¹³C and ¹⁵N Chemical Shift Tensors in Galectinâ€3 Determined by MAS NMR and QM/MM: Details of Structure and Environment Matter. ChemPhysChem, 2020, 21, 1436-1443.	2.1	10
6	19F NMR relaxation studies of fluorosubstituted tryptophans. Journal of Biomolecular NMR, 2019, 73, 401-409.	2.8	25
7	Dynamic Nuclear Polarization Magic-Angle Spinning Nuclear Magnetic Resonance Combined with Molecular Dynamics Simulations Permits Detection of Order and Disorder in Viral Assemblies. Journal of Physical Chemistry B, 2019, 123, 5048-5058.	2.6	31
8	¹⁹F Dynamic Nuclear Polarization at Fast Magic Angle Spinning for NMR of HIV-1 Capsid Protein Assemblies. Journal of the American Chemical Society, 2019, 141, 5681-5691.	13.7	48
9	Chemical Shifts of the Carbohydrate Binding Domain of Galectin-3 from Magic Angle Spinning NMR and Hybrid Quantum Mechanics/Molecular Mechanics Calculations. Journal of Physical Chemistry B, 2018, 122, 2931-2939.	2.6	9
10	Fast Magicâ€Angle Spinning ¹⁹Fâ€…NMR Spectroscopy of HIVâ€1 Capsid Protein Assemblies. Angewandte Chemie, 2018, 130, 16613-16617.	2.0	7
11	Fast Magicâ€Angle Spinning ¹⁹Fâ€…NMR Spectroscopy of HIVâ€1 Capsid Protein Assemblies. Angewandte Chemie - International Edition, 2018, 57, 16375-16379.	13.8	50
12	¹⁹F Magic Angle Spinning NMR Spectroscopy and Density Functional Theory Calculations of Fluorosubstituted Tryptophans: Integrating Experiment and Theory for Accurate Determination of Chemical Shift Tensors. Journal of Physical Chemistry B, 2018, 122, 6148-6155.	2.6	25
13	CryoEM Structure Refinement by Integrating NMR Chemical Shifts with Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2017, 121, 3853-3863.	2.6	38
14	Expanding the horizons for structural analysis of fully protonated protein assemblies by NMR spectroscopy at MAS frequencies above 100ÂkHz. Solid State Nuclear Magnetic Resonance, 2017, 87, 117-125.	2.3	88
15	Cyclophilin A stabilizes the HIV-1 capsid through a novel non-canonical binding site. Nature Communications, 2016, 7, 10714.	12.8	126
16	HIV-1 Capsid Function Is Regulated by Dynamics: Quantitative Atomic-Resolution Insights by Integrating Magic-Angle-Spinning NMR, QM/MM, and MD. Journal of the American Chemical Society, 2016, 138, 14066-14075.	13.7	48
17	Dynamic Nuclear Polarization Enhanced MAS NMR Spectroscopy for Structural Analysis of HIV-1 Protein Assemblies. Journal of Physical Chemistry B, 2016, 120, 329-339.	2.6	49
18	Dynamic allostery governs cyclophilin Aâ€“HIV capsid interplay. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14617-14622.	7.1	76

#	Article	IF	Citations
19	MAS NMR of HIV-1 protein assemblies. Journal of Magnetic Resonance, 2015, 253, 10-22.	2.1	13
20	Magic angle spinning NMR of viruses. Progress in Nuclear Magnetic Resonance Spectroscopy, 2015, 86-87, 21-40.	7.5	23
21	Visualizing Proteins in Mammalian Cells by ¹⁹ F NMR Spectroscopy. Angewandte Chemie, 0, , .	2.0	0