

Manman Lu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Cyclophilin A stabilizes the HIV-1 capsid through a novel non-canonical binding site. <i>Nature Communications</i> , 2016, 7, 10714.	12.8	126
2	Expanding the horizons for structural analysis of fully protonated protein assemblies by NMR spectroscopy at MAS frequencies above 100ÅkHz. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 87, 117-125.	2.3	88
3	Dynamic allostery governs cyclophilin A–HIV capsid interplay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14617-14622.	7.1	76
4	Atomic-resolution structure of HIV-1 capsid tubes by magic-angle spinning NMR. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 863-869.	8.2	58
5	Fast Magic–Angle Spinning ¹⁹ F–NMR Spectroscopy of HIV–1 Capsid Protein Assemblies. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16375-16379.	13.8	50
6	Dynamic Nuclear Polarization Enhanced MAS NMR Spectroscopy for Structural Analysis of HIV-1 Protein Assemblies. <i>Journal of Physical Chemistry B</i> , 2016, 120, 329-339.	2.6	49
7	HIV-1 Capsid Function Is Regulated by Dynamics: Quantitative Atomic-Resolution Insights by Integrating Magic-Angle-Spinning NMR, QM/MM, and MD. <i>Journal of the American Chemical Society</i> , 2016, 138, 14066-14075.	13.7	48
8	¹⁹ F Dynamic Nuclear Polarization at Fast Magic Angle Spinning for NMR of HIV-1 Capsid Protein Assemblies. <i>Journal of the American Chemical Society</i> , 2019, 141, 5681-5691.	13.7	48
9	CryoEM Structure Refinement by Integrating NMR Chemical Shifts with Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3853-3863.	2.6	38
10	Dynamic Nuclear Polarization Magic-Angle Spinning Nuclear Magnetic Resonance Combined with Molecular Dynamics Simulations Permits Detection of Order and Disorder in Viral Assemblies. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5048-5058.	2.6	31
11	¹⁹ F Magic Angle Spinning NMR Spectroscopy and Density Functional Theory Calculations of Fluorosubstituted Tryptophans: Integrating Experiment and Theory for Accurate Determination of Chemical Shift Tensors. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6148-6155.	2.6	25
12	¹⁹ F NMR relaxation studies of fluorosubstituted tryptophans. <i>Journal of Biomolecular NMR</i> , 2019, 73, 401-409.	2.8	25
13	Visualizing Proteins in Mammalian Cells by ¹⁹ F NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
14	Magic angle spinning NMR of viruses. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2015, 86-87, 21-40.	7.5	23
15	MAS NMR of HIV-1 protein assemblies. <i>Journal of Magnetic Resonance</i> , 2015, 253, 10-22.	2.1	13
16	Atomic-Resolution Structure of SARS-CoV-2 Nucleocapsid Protein N-Terminal Domain. <i>Journal of the American Chemical Society</i> , 2022, 144, 10543-10555.	13.7	12
17	Accurate Backbone ¹³ C and ¹⁵ N Chemical Shift Tensors in Galectin–3 Determined by MAS NMR and QM/MM: Details of Structure and Environment Matter. <i>ChemPhysChem</i> , 2020, 21, 1436-1443.	2.1	10
18	Chemical Shifts of the Carbohydrate Binding Domain of Galectin-3 from Magic Angle Spinning NMR and Hybrid Quantum Mechanics/Molecular Mechanics Calculations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2931-2939.	2.6	9

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19	Fast Magicâ€Angle Spinning ¹⁹Fâ€NMR Spectroscopy of HIVâ€1 Capsid Protein Assemblies. Angewandte Chemie, 2018, 130, 16613-16617.	2.0	7
20	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
21	Visualizing Proteins in Mammalian Cells by ¹⁹F NMR Spectroscopy. Angewandte Chemie, 0, , .	2.0	0