

Mingzhang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

365
citations

1163117

8
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

492
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding the horizons for structural analysis of fully protonated protein assemblies by NMR spectroscopy at MAS frequencies above 100 kHz. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 87, 117-125.	2.3	88
2	Quenching protein dynamics interferes with HIV capsid maturation. <i>Nature Communications</i> , 2017, 8, 1779.	12.8	56
3	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
4	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
5	Dynamic regulation of HIV-1 capsid interaction with the restriction factor TRIM5 α identified by magic-angle spinning NMR and molecular dynamics simulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11519-11524.	7.1	47
6	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
7	NMR of Macromolecular Assemblies and Machines at 1 GHz and Beyond: New Transformative Opportunities for Molecular Structural Biology. <i>Methods in Molecular Biology</i> , 2018, 1688, 1-35.	0.9	25
8	Toward Closing the Gap: Quantum Mechanical Calculations and Experimentally Measured Chemical Shifts of a Microcrystalline Lectin. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3574-3585.	2.6	9
9	Determination of accurate backbone chemical shift tensors in microcrystalline proteins by integrating MAS NMR and QM/MM. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9543-9553.	2.8	9
10	Fast Magic Angle Spinning ¹⁹ F NMR Spectroscopy of HIV-1 Capsid Protein Assemblies. <i>Angewandte Chemie</i> , 2018, 130, 16613-16617.	2.0	7
11	Towards Atomic-Resolution Structure Determination of HIV-1 Capsid Assemblies using Magic Angle Spinning NMR. <i>Biophysical Journal</i> , 2019, 116, 310a.	0.5	1
12	Accurate Measurement and Prediction of ¹⁵ NH and ¹³ C α Chemical Shift Tensors in Proteins. <i>Biophysical Journal</i> , 2019, 116, 286a.	0.5	0