Sam Asami

List of Publications by Year
in descending order

19	715	623734	794594
papers	citations	14 h-index	19 g-index

21	21	21	744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The chaperone Î±B-crystallin uses different interfaces to capture an amorphous and an amyloid client. Nature Structural and Molecular Biology, 2015, 22, 898-905.	8.2	130
2	High Resolution ¹H-Detected Solid-State NMR Spectroscopy of Protein Aliphatic Resonances: Access to Tertiary Structure Information. Journal of the American Chemical Society, 2010, 132, 15133-15135.	13.7	95
3	Proton-Detected Solid-State NMR Spectroscopy at Aliphatic Sites: Application to Crystalline Systems. Accounts of Chemical Research, 2013, 46, 2089-2097.	15.6	85
4	Optimal degree of protonation for 1H detection of aliphatic sites in randomly deuterated proteins as a function of the MAS frequency. Journal of Biomolecular NMR, 2012, 54, 155-168.	2.8	58
5	Proteinâ€“RNA Interfaces Probed by ¹Hâ€Detected MAS Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 2345-2349.	13.8	53
6	The structure and oxidation of the eye lens chaperone Î±A-crystallin. Nature Structural and Molecular Biology, 2019, 26, 1141-1150.	8.2	42
7	Limits of Resolution and Sensitivity of Proton Detected MAS Solid-State NMR Experiments at 111 kHz in Deuterated and Protonated Proteins. Scientific Reports, 2017, 7, 7444.	3.3	41
8	Magic-Angle Spinning Frequencies beyond 300 kHz Are Necessary To Yield Maximum Sensitivity in Selectively Methyl Protonated Protein Samples in Solid-State NMR. Journal of Physical Chemistry C, 2018, 122, 16437-16442.	3.1	33
9	Access to CÎ± Backbone Dynamics of Biological Solids by ¹³C T₁ Relaxation and Molecular Dynamics Simulation. Journal of the American Chemical Society, 2015, 137, 1094-1100.	13.7	30
10	Client binding shifts the populations of dynamic Hsp90 conformations through an allosteric network. Science Advances, 2021, 7, eabl7295.	10.3	25
11	Higher Sensitivity through Selective 13C Excitation in Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 15970-15971.	13.7	24
12	Assignment strategies for aliphatic protons in the solid-state in randomly protonated proteins. Journal of Biomolecular NMR, 2012, 52, 31-39.	2.8	22
13	Comparative Study of REDOR and CPPI Derived Order Parameters by ¹H-Detected MAS NMR and MD Simulations. Journal of Physical Chemistry B, 2017, 121, 8719-8730.	2.6	19
14	Site-specific analysis of heteronuclear Overhauser effects in microcrystalline proteins. Journal of Biomolecular NMR, 2014, 59, 241-249.	2.8	17
15	Accessing Methyl Groups in Proteins via 1H-detected MAS Solid-state NMR Spectroscopy Employing Random Protonation. Scientific Reports, 2019, 9, 15903.	3.3	14
16	Ultrashort Broadband Cooperative Pulses for Multidimensional Biomolecular NMR Experiments. Angewandte Chemie - International Edition, 2018, 57, 14498-14502.	13.8	12
17	Design of buried charged networks in artificial proteins. Nature Communications, 2021, 12, 1895.	12.8	7
18	Ultrashort Broadband Cooperative Pulses for Multidimensional Biomolecular NMR Experiments. Angewandte Chemie, 2018, 130, 14706-14710.	2.0	1

#	Article	IF	Citations
19	RÃ¼cktitelbild: Ultrashort Broadband Cooperative Pulses for Multidimensional Biomolecular NMR Experiments (Angew. Chem. 44/2018). Angewandte Chemie, 2018, 130, 14868-14868.	2.0	0