Victoria A Higman

List of Publications by Year
in descending order

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33 papers	2,591 citations	304743 22 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	3028 citing authors

#	Article	IF	Citations
1	Uncovering Network Systems Within Protein Structures. Journal of Molecular Biology, 2003, 334, 781-791.	4.2	265
2	Solid-state NMR and SAXS studies provide a structural basis for the activation of Î±B-crystallin oligomers. Nature Structural and Molecular Biology, 2010, 17, 1037-1042.	8.2	263
3	Rapid Proton-Detected NMR Assignment for Proteins with Fast Magic Angle Spinning. Journal of the American Chemical Society, 2014, 136, 12489-12497.	13.7	254
4	TSG-6: a pluripotent inflammatory mediator?. Biochemical Society Transactions, 2006, 34, 446-450.	3.4	185
5	Protonâ€Detected Solidâ€State NMR Spectroscopy of Fibrillar and Membrane Proteins. Angewandte Chemie - International Edition, 2011, 50, 4508-4512.	13.8	179
6	Structural diversity in the RGS domain and its interaction with heterotrimeric G protein Î±-subunits. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6457-6462.	7.1	174
7	His-384 Allotypic Variant of Factor H Associated with Age-related Macular Degeneration Has Different Heparin Binding Properties from the Non-disease-associated Form. Journal of Biological Chemistry, 2006, 281, 24713-24720.	3.4	161
8	Structure Calculation from Unambiguous Long-Range Amide and Methyl ¹Hâ€™¹H Distance Restraints for a Microcrystalline Protein with MAS Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2011, 133, 5905-5912.	13.7	152
9	A software framework for analysing solid-state MAS NMR data. Journal of Biomolecular NMR, 2011, 51, 437-447.	2.8	138
10	Assigning large proteins in the solid state: a MAS NMR resonance assignment strategy using selectively and extensively 13C-labelled proteins. Journal of Biomolecular NMR, 2009, 44, 245-260.	2.8	110
11	Structure of outer membrane protein G in lipid bilayers. Nature Communications, 2017, 8, 2073.	12.8	91
12	Regulation of endosomal membrane traffic by a Gadkin/AP-1/kinesin KIF5 complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15344-15349.	7.1	85
13	The HicA toxin from Burkholderia pseudomallei has a role in persister cell formation. Biochemical Journal, 2014, 459, 333-344.	3.7	81
14	The structural basis for dynamic DNA binding and bridging interactions which condense the bacterial centromere. ELife, 2017, 6, .	6.0	64
15	[2,3-13C]-labeling of Aromatic ResiduesGetting a Head Start in the Magic-Angle-Spinning NMR Assignment of Membrane Proteins. Journal of the American Chemical Society, 2008, 130, 408-409.	13.7	48
16	A Refined Model for the TSG-6 Link Module in Complex with Hyaluronan. Journal of Biological Chemistry, 2014, 289, 5619-5634.	3.4	46
17	The Conformation of Bacteriorhodopsin Loops in Purple Membranes Resolved by Solidâ€State MASâ€…NMR Spectroscopy. Angewandte Chemie - International Edition, 2011, 50, 8432-8435.	13.8	34
18	Three-dimensional deuterium-carbon correlation experiments for high-resolution solid-state MAS NMR spectroscopy of large proteins. Journal of Biomolecular NMR, 2011, 51, 477-485.	2.8	31

#	Article	IF	Citations
19	Residual dipolar couplings: are multiple independent alignments always possible?. Journal of Biomolecular NMR, 2011, 49, 53-60.	2.8	29
20	Solid-state MAS NMR resonance assignment methods for proteins. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 106-107, 37-65.	7.5	27
21	Plasticity of the TSG-6 HA-binding Loop and Mobility in the TSG-6-HA Complex Revealed by NMR and X-ray Crystallography. Journal of Molecular Biology, 2007, 371, 669-684.	4.2	24
22	Asparagine and glutamine side-chain conformation in solution and crystal: A comparison for hen egg-white lysozyme using residual dipolar ouplings. Journal of Biomolecular NMR, 2004, 30, 327-346.	2.8	21
23	Elucidation of conserved long-range interaction networks in proteins and their significance in determining protein topology. Physica A: Statistical Mechanics and Its Applications, 2006, 368, 595-606.	2.6	17
24	Using Molecular Dynamics Simulations To Provide New Insights into Protein Structure on the Nanosecond Timescale:â€‰ Comparison with Experimental Data and Biological Inferences for the Hyaluronan-Binding Link Module of TSG-6. Journal of Chemical Theory and Computation, 2007, 3, 1-16.	5.3	16
25	13C- and 1H-detection under fast MAS for the study of poorly available proteins: application to sub-milligram quantities of a 7 trans-membrane protein. Journal of Biomolecular NMR, 2015, 62, 17-23.	2.8	16
26	Structural and biochemical characterization of Rv2140c, a phosphatidylethanolamineâ€‹binding protein from Mycobacterium tuberculosis. FEBS Letters, 2013, 587, 2936-2942.	2.8	11
27	A Novel Subtype of AP-1-binding Motif within the Palmitoylated trans-Golgi Network/Endosomal Accessory Protein Gadkin/Î³-BAR. Journal of Biological Chemistry, 2010, 285, 4074-4086.	3.4	10
28	Probing the urea dependence of residual structure in denatured human Î±-lactalbumin. Journal of Biomolecular NMR, 2009, 45, 121-131.	2.8	9
29	The streptococcal multidomain fibrillar adhesin CshA has an elongated polymeric architecture. Journal of Biological Chemistry, 2020, 295, 6689-6699.	3.4	8
30	NMR assignment of human RGS18. Journal of Biomolecular NMR, 2006, 36, 72-72.	2.8	1
31	Resonance assignment of the RGS domain of human RGS10. Journal of Biomolecular NMR, 2007, 38, 191-191.	2.8	0
32	Titelbild: FestkÃ¶rper-NMR-Spektroskopie mit Protonendetektion an fibrillÃren Proteinen und Membranproteinen (Angew. Chem. 19/2011). Angewandte Chemie, 2011, 123, 4325-4325.	2.0	0
33	Chapter 13. Recent Developments in Biomolecular Solid-State NMR. RSC Biomolecular Sciences, 0, , 318-334.	0.4	0