

Reto Horst

List of Publications by Year in descending order

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29
papers

1,746
citations

393982

19
h-index

476904

29
g-index

30
all docs

30
docs citations

30
times ranked

2375
citing authors

#	ARTICLE	IF	CITATIONS
1	Biased Signaling Pathways in β_2 -Adrenergic Receptor Characterized by ^{19}F -NMR. <i>Science</i> , 2012, 335, 1106-1110.	6.0	618
2	NMR characterization of a pH-dependent equilibrium between two folded solution conformations of the pheromone-binding protein from <i>Bombyx mori</i> . <i>Protein Science</i> , 2000, 9, 1038-1041.	3.1	129
3	Direct NMR observation of a substrate protein bound to the chaperonin GroEL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12748-12753.	3.3	114
4	Structural basis of chaperone-subunit complex recognition by the type 1 pilus assembly platform FimD. <i>EMBO Journal</i> , 2005, 24, 2075-2086.	3.5	100
5	NMR structure of the unliganded <i>Bombyx mori</i> pheromone-binding protein at physiological pH. <i>FEBS Letters</i> , 2002, 531, 314-318.	1.3	91
6	Nuclear Magnetic Resonance Structure of the N-Terminal Domain of Nonstructural Protein 3 from the Severe Acute Respiratory Syndrome Coronavirus. <i>Journal of Virology</i> , 2007, 81, 12049-12060.	1.5	75
7	β_2 -Adrenergic Receptor Activation by Agonists Studied with ^{19}F -NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10762-10765.	7.2	71
8	Snapshots and ensembles of BTK and cIAP1 protein degrader ternary complexes. <i>Nature Chemical Biology</i> , 2021, 17, 152-160.	3.9	61
9	Microscale NMR Screening of New Detergents for Membrane Protein Structural Biology. <i>Journal of the American Chemical Society</i> , 2008, 130, 7357-7363.	6.6	49
10	Folding trajectories of human dihydrofolate reductase inside the GroEL-GroES chaperonin cavity and free in solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20788-20792.	3.3	48
11	The catalytic mechanism of cyclic GMP-AMP synthase (cGAS) and implications for innate immunity and inhibition. <i>Protein Science</i> , 2017, 26, 2367-2380.	3.1	48
12	Managing the solvent water polarization to obtain improved NMR spectra of large molecular structures. <i>Journal of Biomolecular NMR</i> , 2005, 32, 61-70.	1.6	46
13	Solution-NMR Characterization of Outer Membrane Protein A from <i>E. coli</i> in Lipid Bilayer Nanodiscs and Detergent Micelles. <i>ChemBioChem</i> , 2014, 15, 995-1000.	1.3	39
14	Proton-proton Overhauser NMR spectroscopy with polypeptide chains in large structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15445-15450.	3.3	30
15	NMR Polypeptide Backbone Conformation of the <i>E. coli</i> Outer Membrane Protein W. <i>Structure</i> , 2014, 22, 1204-1209.	1.6	30
16	Translational Diffusion of Macromolecular Assemblies Measured Using Transverse-Relaxation-Optimized Pulsed Field Gradient NMR. <i>Journal of the American Chemical Society</i> , 2011, 133, 16354-16357.	6.6	28
17	NMR Characterization of Membrane Protein-Detergent Micelle Solutions by Use of Microcoil Equipment. <i>Journal of the American Chemical Society</i> , 2009, 131, 18450-18456.	6.6	27
18	An Intracellular Allosteric Modulator Binding Pocket in SK2 Ion Channels Is Shared by Multiple Chemotypes. <i>Structure</i> , 2018, 26, 533-544.e3.	1.6	24

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19	β^2 -Adrenergic Receptor Solutions for Structural Biology Analyzed with Microscale NMR Diffusion Measurements. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 331-335.	7.2	21
20	Nuclear magnetic resonance spectroscopy with the stringent substrate rhodanese bound to the single-ring variant SR1 of the <i>E. coli</i> chaperonin GroEL. <i>Protein Science</i> , 2011, 20, 1380-1386.	3.1	20
21	NMR assignment of the A form of the pheromone-binding protein of <i>Bombyx mori</i> . <i>Journal of Biomolecular NMR</i> , 2001, 19, 79-80.	1.6	16
22	Automated Protein NMR Structure Determination in Crude Cell-Extract. <i>Journal of Biomolecular NMR</i> , 2006, 34, 3-11.	1.6	11
23	Micro-coil NMR to monitor optimization of the reconstitution conditions for the integral membrane protein OmpW in detergent micelles. <i>Journal of Biomolecular NMR</i> , 2012, 54, 129-133.	1.6	11
24	Cross-linked Polyacrylomorpholine: A Flexible and Reversibly Compressible Aligning Gel for Anisotropic NMR Analysis of Peptides and Small Molecules in Water. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26314-26319.	7.2	11
25	Translational Diffusion Measurements by Microcoil NMR in Aqueous Solutions of the Fos-10 Detergent-Solubilized Membrane Protein OmpX. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6775-6780.	1.2	10
26	NMR spectroscopy: the swiss army knife of drug discovery. <i>Journal of Biomolecular NMR</i> , 2020, 74, 509-519.	1.6	10
27	Cross-linked polyacrylomorpholine: a flexible and reversibly compressible aligning gel for anisotropic NMR analysis of peptides and small molecules in water. <i>Angewandte Chemie</i> , 2021, 133, 26518.	1.6	4
28	Micro-scale NMR Experiments for Monitoring the Optimization of Membrane Protein Solutions for Structural Biology. <i>Bio-protocol</i> , 2015, 5, .	0.2	3
29	Biased Signaling Pathways in β^2 -Adrenergic Receptor Characterized by ^{19}F -NMR. , 2021, , 179-183.		0