

Reto Horst

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30
papers

1,444
citations

18
h-index

30
g-index

30
ext. papers

1,605
ext. citations

8.8
avg. IF

4.19
L-index

#	Paper	IF	Citations
30	Biased signaling pathways in α -adrenergic receptor characterized by ^{19}F -NMR. <i>Science</i> , 2012 , 335, 1106-1113	39.3	523
29	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, 1038-41	6.3	114
28	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, 12748-53	11.5	106
27	Structural basis of chaperone-subunit complex recognition by the type 1 pilus assembly platform FimD. <i>EMBO Journal</i> , 2005 , 24, 2075-86	13	93
26	NMR structure of the unliganded <i>Bombyx mori</i> pheromone-binding protein at physiological pH. <i>FEBS Letters</i> , 2002 , 531, 314-8	3.8	76
25	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, 12049-60	6.6	61
24	α -Adrenergic receptor activation by agonists studied with ^{19}F NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10762-5	16.4	60
23	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, 20788-92	11.5	46
22	Microscale NMR screening of new detergents for membrane protein structural biology. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7357-63	16.4	43
21	Managing the solvent water polarization to obtain improved NMR spectra of large molecular structures. <i>Journal of Biomolecular NMR</i> , 2005 , 32, 61-70	3	42
20	The catalytic mechanism of cyclic GMP-AMP synthase (cGAS) and implications for innate immunity and inhibition. <i>Protein Science</i> , 2017 , 26, 2367-2380	6.3	37
19	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	3.8	32
18	NMR characterization of membrane protein-detergent micelle solutions by use of microcoil equipment. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18450-6	16.4	23
17	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, 15445-50	11.5	23
16	NMR polypeptide backbone conformation of the <i>E. coli</i> outer membrane protein W. <i>Structure</i> , 2014 , 22, 1204-1209	5.2	22
15	Translational diffusion of macromolecular assemblies measured using transverse-relaxation-optimized pulsed field gradient NMR. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16354-7	16.4	21
14	α -Adrenergic receptor solutions for structural biology analyzed with microscale NMR diffusion measurements. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 331-5	16.4	20

13	Snapshots and ensembles of BTK and cIAP1 protein degrader ternary complexes. <i>Nature Chemical Biology</i> , 2021 , 17, 152-160	11.7	20
12	Nuclear magnetic resonance spectroscopy with the stringent substrate rhodanese bound to the single-ring variant SR1 of the E. coli chaperonin GroEL. <i>Protein Science</i> , 2011 , 20, 1380-6	6.3	17
11	An Intracellular Allosteric Modulator Binding Pocket in SK2 Ion Channels Is Shared by Multiple Chemotypes. <i>Structure</i> , 2018 , 26, 533-544.e3	5.2	16
10	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	3	12
9	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, 129-33	3	9
8	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, 6775-80	3.4	9
7	NMR spectroscopy: the swiss army knife of drug discovery. <i>Journal of Biomolecular NMR</i> , 2020 , 74, 509-519		7
6	Automated protein NMR structure determination in crude cell-extract. <i>Journal of Biomolecular NMR</i> , 2006 , 34, 3-11	3	7
5	Micro-scale NMR Experiments for Monitoring the Optimization of Membrane Protein Solutions for Structural Biology. <i>Bio-protocol</i> , 2015 , 5,	0.9	2
4	β -Adrenergic Receptor Solutions for Structural Biology Analyzed with Microscale NMR Diffusion Measurements. <i>Angewandte Chemie</i> , 2013 , 125, 349-353	3.6	1
3	Cross-Linked Poly-4-Acrylomorpholine: 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	3.6	1
2	Cross-Linked Poly-4-Acrylomorpholine: 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	16.4	1
1	Biased Signaling Pathways in β -Adrenergic Receptor Characterized by ^{19}F -NMR 2021 , 179-183		