

Sang Ho Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9921937/publications.pdf>

Version: 2024-02-01

29
papers

1,846
citations

331538

21
h-index

501076

28
g-index

31
all docs

31
docs citations

31
times ranked

1595
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the chemokine receptor CXCR1 in phospholipid bilayers. <i>Nature</i> , 2012, 491, 779-783.	13.7	407
2	Three-dimensional Structure of the Channel-forming Trans-membrane Domain of Virus Protein αVpu from HIV-1. <i>Journal of Molecular Biology</i> , 2003, 333, 409-424.	2.0	237
3	Tilt Angle of a Trans-membrane Helix is Determined by Hydrophobic Mismatch. <i>Journal of Molecular Biology</i> , 2005, 350, 310-318.	2.0	159
4	Three-Dimensional Structure of the Transmembrane Domain of Vpu from HIV-1 in Aligned Phospholipid Bicelles. <i>Biophysical Journal</i> , 2006, 91, 3032-3042.	0.2	109
5	High-Resolution NMR Spectroscopy of a GPCR in Aligned Bicelles. <i>Journal of the American Chemical Society</i> , 2006, 128, 7402-7403.	6.6	107
6	Nanodiscs versus Macrodiscs for NMR of Membrane Proteins. <i>Biochemistry</i> , 2011, 50, 8983-8985.	1.2	85
7	Structure and Dynamics of the Membrane-Bound Form of Pf1 Coat Protein: Implications of Structural Rearrangement for Virus Assembly. <i>Biophysical Journal</i> , 2010, 99, 1465-1474.	0.2	70
8	Rotational diffusion of membrane proteins in aligned phospholipid bilayers by solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2006, 178, 162-165.	1.2	68
9	Local and Global Dynamics of the G Protein-Coupled Receptor CXCR1. <i>Biochemistry</i> , 2011, 50, 2371-2380.	1.2	56
10	Interactions of Interleukin-8 with the Human Chemokine Receptor CXCR1 in Phospholipid Bilayers by NMR Spectroscopy. <i>Journal of Molecular Biology</i> , 2011, 414, 194-203.	2.0	55
11	Macrodiscs Comprising SMALPs for Oriented Sample Solid-State NMR Spectroscopy of Membrane Proteins. <i>Biophysical Journal</i> , 2018, 115, 22-25.	0.2	53
12	Solid-state NMR spectroscopy of a membrane protein in biphenyl phospholipid bicelles with the bilayer normal parallel to the magnetic field. <i>Journal of Magnetic Resonance</i> , 2008, 193, 133-138.	1.2	46
13	Triton X-100 as the α -Short-Chain Lipid Improves the Magnetic Alignment and Stability of Membrane Proteins in Phosphatidylcholine Bilayers for Oriented-Sample Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 12552-12553.	6.6	46
14	Mechanically, Magnetically, and α -Rotationally Aligned Membrane Proteins in Phospholipid Bilayers Give Equivalent Angular Constraints for NMR Structure Determination. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13995-14003.	1.2	44
15	Conformational changes induced by a single amino acid substitution in the <i>trans</i> membrane domain of Vpu: Implications for HIV-1 susceptibility to channel blocking drugs. <i>Protein Science</i> , 2007, 16, 2205-2215.	3.1	34
16	A Modified Alderman Grant Coil makes possible an efficient cross-coil probe for high field solid-state NMR of lossy biological samples. <i>Journal of Magnetic Resonance</i> , 2009, 201, 87-92.	1.2	34
17	Optimization of purification and refolding of the human chemokine receptor CXCR1 improves the stability of proteoliposomes for structure determination. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 584-591.	1.4	32
18	Phage-Induced Alignment of Membrane Proteins Enables the Measurement and Structural Analysis of Residual Dipolar Couplings with Dipolar Waves and β -Maps. <i>Journal of the American Chemical Society</i> , 2009, 131, 14140-14141.	6.6	31

#	ARTICLE	IF	CITATIONS
19	Structure of monomeric Interleukin-8 and its interactions with the N-terminal Binding Site-I of CXCR1 by solution NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2017, 69, 111-121.	1.6	31
20	Interactions of SARS-CoV-2 envelope protein with amilorides correlate with antiviral activity. <i>PLoS Pathogens</i> , 2021, 17, e1009519.	2.1	27
21	Resolution and measurement of heteronuclear dipolar couplings of a noncrystalline protein immobilized in a biological supramolecular assembly by proton-detected MAS solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2013, 237, 164-168.	1.2	25
22	Membrane protein structure from rotational diffusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 229-245.	1.4	25
23	Paramagnetic relaxation enhancement of membrane proteins by incorporation of the metal-chelating unnatural amino acid 2-amino-3-(8-hydroxyquinolin-3-yl)propanoic acid (HQA). <i>Journal of Biomolecular NMR</i> , 2015, 61, 185-196.	1.6	22
24	Interaction of Monomeric Interleukin-8 with CXCR1 Mapped by Proton-Detected Fast MAS Solid-State NMR. <i>Biophysical Journal</i> , 2017, 113, 2695-2705.	0.2	14
25	High resolution solid-state NMR spectroscopy of the <i>Yersinia pestis</i> outer membrane protein Ail in lipid membranes. <i>Journal of Biomolecular NMR</i> , 2017, 67, 179-190.	1.6	11
26	Correlating the Structure and Activity of <i>Y. pestis</i> Ail in a Bacterial Cell Envelope. <i>Biophysical Journal</i> , 2021, 120, 453-462.	0.2	7
27	Effects of deuteration on solid-state NMR spectra of single peptide crystals and oriented protein samples. <i>Journal of Magnetic Resonance</i> , 2019, 309, 106613.	1.2	3
28	Magnetically Aligned Lipid Bilayers with High Cholesterol for Solid-State NMR of Membrane Proteins. <i>Biochemistry</i> , 2022, 61, 1561-1571.	1.2	3
29	NMR structural studies of membrane proteins in bilayer environments. <i>FASEB Journal</i> , 2018, 32, 792.36.	0.2	0