

Olivier Walker

List of Publications by Year in descending order

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citations

361413

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docs citations

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times ranked

1909
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Properties of Polyubiquitin Chains in Solution. <i>Journal of Molecular Biology</i> , 2002, 324, 637-647.	4.2	259
2	Versatile Roles of K63-Linked Ubiquitin Chains in Trafficking. <i>Cells</i> , 2014, 3, 1027-1088.	4.1	172
3	Determining domain orientation in macromolecules by using spin-relaxation and residual dipolar coupling measurements. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2004, 44, 189-214.	7.5	90
4	Efficient and accurate determination of the overall rotational diffusion tensor of a molecule from 15N relaxation data using computer program ROTDIF. <i>Journal of Magnetic Resonance</i> , 2004, 168, 336-345.	2.1	73
5	DNA-Damage-Inducible 1 Protein (Ddi1) Contains an Uncharacteristic Ubiquitin-like Domain that Binds Ubiquitin. <i>Structure</i> , 2015, 23, 542-557.	3.3	71
6	Glutathionylation Induces the Dissociation of 1-Cys D-peroxiredoxin Non-covalent Homodimer. <i>Journal of Biological Chemistry</i> , 2006, 281, 31736-31742.	3.4	67
7	Exploring the Linkage Dependence of Polyubiquitin Conformations Using Molecular Modeling. <i>Journal of Molecular Biology</i> , 2010, 395, 803-814.	4.2	59
8	Linkage via K27 Bestows Ubiquitin Chains with Unique Properties among Polyubiquitins. <i>Structure</i> , 2016, 24, 423-436.	3.3	56
9	NLRP3 phosphorylation in its LRR domain critically regulates inflammasome assembly. <i>Nature Communications</i> , 2021, 12, 5862.	12.8	52
10	Crystal Structure and Solution NMR Dynamics of a D (Type II) Peroxiredoxin Glutaredoxin and Thioredoxin Dependent: A New Insight into the Peroxiredoxin Oligomerism. <i>Biochemistry</i> , 2005, 44, 1755-1767.	2.5	50
11	Funnel-Metadynamics and Solution NMR to Estimate Protein-Ligand Affinities. <i>Journal of the American Chemical Society</i> , 2015, 137, 1273-1281.	13.7	44
12	<i>Francisella tularensis</i> IglG Belongs to a Novel Family of PAAR-Like T6SS Proteins and Harbors a Unique N-terminal Extension Required for Virulence. <i>PLoS Pathogens</i> , 2016, 12, e1005821.	4.7	41
13	Regulation of measles virus gene expression by P protein coiled-coil properties. <i>Science Advances</i> , 2019, 5, eaaw3702.	10.3	31
14	Determination of Carbon-13 Chemical Shielding Tensor in the Liquid State by Combining NMR Relaxation Experiments and Quantum Chemical Calculations. <i>Journal of the American Chemical Society</i> , 2002, 124, 865-873.	13.7	29
15	Protein-protein interactions within peroxiredoxin systems. <i>Photosynthesis Research</i> , 2006, 89, 277-290.	2.9	25
16	NMR Reveals a Novel Glutaredoxin-Glutaredoxin Interaction Interface. <i>Journal of Molecular Biology</i> , 2005, 353, 629-641.	4.2	24
17	Model peptide studies of Ag ⁺ binding sites from the silver resistance protein SilE. <i>Chemical Communications</i> , 2017, 53, 6105-6108.	4.1	24
18	Ab Initio Prediction of NMR Spin Relaxation Parameters from Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 1009-1019.	5.3	23

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19	Evidence for Cooperative and Domain-specific Binding of the Signal Transducing Adaptor Molecule 2 (STAM2) to Lys63-linked Diubiquitin. <i>Journal of Biological Chemistry</i> , 2012, 287, 18687-18699.	3.4	21
20	Glutathionylation Induces the Dissociation of 1-Cys D-peroxiredoxin Non-covalent Homodimer. <i>Journal of Biological Chemistry</i> , 2006, 281, 31736-31742.	3.4	20
21	NMR Screening Applied to the Fragment-Based Generation of Inhibitors of Creatine Kinase Exploiting a New Interaction Proximate to the ATP Binding Site. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1865-1875.	6.4	19
22	Computing the Rotational Diffusion of Biomolecules via Molecular Dynamics Simulation and Quaternion Orientations. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1812-1823.	2.6	19
23	NMR Reveals a Different Mode of Binding of the Stam2 VHS Domain to Ubiquitin and Diubiquitin,. <i>Biochemistry</i> , 2011, 50, 48-62.	2.5	16
24	Structural Basis for the Inhibitory Effects of Ubistatins in the Ubiquitin-Proteasome Pathway. <i>Structure</i> , 2017, 25, 1839-1855.e11.	3.3	15
25	Competitive binding of UBPY and ubiquitin to the STAM2 SH3 domain revealed by NMR. <i>FEBS Letters</i> , 2012, 586, 3379-3384.	2.8	12
26	Alpha-helical folding of SilE models upon Ag(His)(Met) motif formation. <i>Chemical Communications</i> , 2018, 54, 10419-10422.	4.1	10
27	Heteronuclear Overhauser experiments for symmetric molecules. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 776-781.	1.9	9
28	BcL-xL Conformational Changes upon Fragment Binding Revealed by NMR. <i>PLoS ONE</i> , 2013, 8, e64400.	2.5	9
29	Accurate Prediction of Protein NMR Spin Relaxation by Means of Polarizable Force Fields. Application to Strongly Anisotropic Rotational Diffusion. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5103-5112.	2.6	8
30	Anisotropy of molecular reorientation and geometrical information as determined from short and long range ¹³ C- ¹ H spin cross-relaxation rates. <i>Molecular Physics</i> , 1998, 94, 565-569.	1.7	7
31	Determination of the rotation-diffusion tensor orientation from NMR ¹³ C- ¹ H cross-relaxation rates. <i>Molecular Physics</i> , 2002, 100, 2755-2761.	1.7	6
32	NMR Reveals the Interplay among the AMSH SH3 Binding Motif, STAM2, and Lys63-Linked Diubiquitin. <i>Journal of Molecular Biology</i> , 2016, 428, 4544-4558.	4.2	6
33	Molecular recognition of ubiquitin and Lys63-linked diubiquitin by STAM2 UIM-SH3 dual domain: the effect of its linker length and flexibility. <i>Scientific Reports</i> , 2019, 9, 14645.	3.3	3
34	Anisotropy of molecular reorientation and geometrical information as determined from short and long range ¹³ C- ¹ H spin cross-relaxation rates. <i>Molecular Physics</i> , 1998, 94, 565-569.	1.7	2
35	Solvent dependence of rotational anisotropy and molecular geometry as probed by NMR cross-relaxation rates. <i>Chemical Physics Letters</i> , 2002, 357, 103-107.	2.6	2
36	Synthesis and spectral study of (2R,11R)-2,11-bis{[(2-methoxyethoxy)methoxy]methyl}-1,10-dibenzyl-4,7,13,16-tetraoxa-1,10-diaza-cyclooctadecane. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 212-214.		1

#	ARTICLE	IF	CITATIONS
37	NMR reveals the interplay between SiE and SiB model peptides in the context of silver resistance. Chemical Communications, 2021, 57, 8726-8729.	4.1	1