

Christopher E Berndsen

List of Publications by Year in descending order

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43
papers

2,170
citations

430874

18
h-index

361022

35
g-index

53
all docs

53
docs citations

53
times ranked

3292
citing authors

#	ARTICLE	IF	CITATIONS
1	New insights into ubiquitin E3 ligase mechanism. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 301-307.	8.2	521
2	Histone H3-K56 Acetylation Is Catalyzed by Histone Chaperone-Dependent Complexes. <i>Molecular Cell</i> , 2007, 25, 703-712.	9.7	268
3	Catalysis and substrate selection by histone/protein lysine acetyltransferases. <i>Current Opinion in Structural Biology</i> , 2008, 18, 682-689.	5.7	194
4	Structural Insights into the Assembly and Function of the SAGA Deubiquitinating Module. <i>Science</i> , 2010, 328, 1025-1029.	12.6	190
5	RNF4-Dependent Hybrid SUMO-Ubiquitin Chains Are Signals for RAP80 and Thereby Mediate the Recruitment of BRCA1 to Sites of DNA Damage. <i>Science Signaling</i> , 2012, 5, ra88.	3.6	158
6	Catalytic Mechanism of a MYST Family Histone Acetyltransferase. <i>Biochemistry</i> , 2007, 46, 623-629.	2.5	114
7	Molecular functions of the histone acetyltransferase chaperone complex Rtt109/Vps75. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 948-956.	8.2	104
8	A spectrophotometric assay for conjugation of ubiquitin and ubiquitin-like proteins. <i>Analytical Biochemistry</i> , 2011, 418, 102-110.	2.4	89
9	Assays for mechanistic investigations of protein/histone acetyltransferases. <i>Methods</i> , 2005, 36, 321-331.	3.8	70
10	A conserved asparagine has a structural role in ubiquitin-conjugating enzymes. <i>Nature Chemical Biology</i> , 2013, 9, 154-156.	8.0	60
11	Architectural Organization of the Metabolic Regulatory Enzyme Ghrelin O-Acyltransferase. <i>Journal of Biological Chemistry</i> , 2013, 288, 32211-32228.	3.4	59
12	Trans -Binding Mechanism of Ubiquitin-like Protein Activation Revealed by a UBA5-UFM1 Complex. <i>Cell Reports</i> , 2016, 16, 3113-3120.	6.4	44
13	Nucleosome Recognition by the Piccolo NuA4 Histone Acetyltransferase Complex. <i>Biochemistry</i> , 2007, 46, 2091-2099.	2.5	34
14	Deregulated Ca ²⁺ cycling underlies the development of arrhythmia and heart disease due to mutant obscurin. <i>Science Advances</i> , 2017, 3, e1603081.	10.3	33
15	A novel FLNC frameshift and an OBSCN variant in a family with distal muscular dystrophy. <i>PLoS ONE</i> , 2017, 12, e0186642.	2.5	29
16	Arabidopsis Î²-Amylase2 Is a K ⁺ -Requiring, Catalytic Tetramer with Sigmoidal Kinetics. <i>Plant Physiology</i> , 2017, 175, 1525-1535.	4.8	27
17	Novel insights into the interaction of UBA5 with UFM1 via a UFM1-interacting sequence. <i>Scientific Reports</i> , 2017, 7, 508.	3.3	27
18	Novel obscurins mediate cardiomyocyte adhesion and size via the PI3K/AKT/mTOR signaling pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 111, 27-39.	1.9	26

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19	The Size and Conservation of a Coiled-coil Structure in the Ectodomain of Human BST-2/Tetherin Is Dispensable for Inhibition of HIV-1 Virion Release. <i>Journal of Biological Chemistry</i> , 2012, 287, 44278-44288.	3.4	19
20	Structure of Arabidopsis thaliana At1g77540 Protein, a Minimal Acetyltransferase from the COG2388 Family. <i>Biochemistry</i> , 2006, 45, 14325-14336.	2.5	13
21	Quaternary Structure, Salt Sensitivity, and Allosteric Regulation of Î²-AMYLASE2 From Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2018, 9, 1176.	3.6	12
22	Glutathionylation Inhibits the Catalytic Activity of Arabidopsis Î²-Amylase3 but Not That of Paralog Î²-Amylase1. <i>Biochemistry</i> , 2018, 57, 711-721.	2.5	11
23	Positioning of Cysteine Residues within the N-terminal Portion of the BST-2/Tetherin Ectodomain Is Important for Functional Dimerization of BST-2. <i>Journal of Biological Chemistry</i> , 2015, 290, 3740-3751.	3.4	9
24	The Vps27/Hrs/STAM (VHS) Domain of the Signal-transducing Adaptor Molecule (STAM) Directs Associated Molecule with the SH3 Domain of STAM (AMSH) Specificity to Longer Ubiquitin Chains and Dictates the Position of Cleavage. <i>Journal of Biological Chemistry</i> , 2016, 291, 2033-2042.	3.4	9
25	Solution structure and assembly of Î²-amylase 2 from Arabidopsis thaliana. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020, 76, 357-365.	2.3	9
26	The Disulfide Bonds within BST-2 Enhance Tensile Strength during Viral Tethering. <i>Biochemistry</i> , 2016, 55, 940-947.	2.5	8
27	Bending of the BST-2 coiled-coil during viral budding. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 2081-2087.	2.6	6
28	Characterization of the structure and catalytic activity of Legionella pneumophila VipF. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1422-1430.	2.6	5
29	Chemical shift assignments for S. cerevisiae Ubc13. <i>Biomolecular NMR Assignments</i> , 2015, 9, 407-410.	0.8	4
30	In silico modeling of epigenetic-induced changes in photoreceptor cis-regulatory elements. <i>Molecular Vision</i> , 2018, 24, 218-230.	1.1	4
31	Structural and functional analysis of the human cone rod homeobox transcription factor. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 1584-1593.	2.6	4
32	The BAM7 gene in Zea mays encodes a protein with similar structural and catalytic properties to Arabidopsis BAM2. <i>Acta Crystallographica Section D: Structural Biology</i> , 2022, 78, 560-570.	2.3	4
33	Resilience of BST-2/Tetherin structure to single amino acid substitutions. <i>PeerJ</i> , 2019, 7, e7043.	2.0	2
34	Unwrapping Enzyme Kinetics. <i>CourseSource</i> , 0, 7, .	0.0	2
35	Connecting common genetic polymorphisms to protein function: A modular project sequence for lecture or lab. <i>Biochemistry and Molecular Biology Education</i> , 2016, 44, 526-536.	1.2	1
36	Teaching data management and literacy to support course-embedded research projects. <i>FASEB Journal</i> , 2021, 35, .	0.5	0

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37	RNF4-Dependent Hybrid SUMO-Ubiquitin Chains are Signals for RAP80 and thereby Mediate the Recruitment of BRCA1 to Sites of DNA Damage. <i>FASEB Journal</i> , 2013, 27, 782.7.	0.5	0
38	A Tetrameric β -Amylase2 (BAM2) From <i>Arabidopsis thaliana</i> : Using Mutagenesis To Interrogate Its Structure, Sigmoidal Kinetics, And Requirement For KCl. <i>FASEB Journal</i> , 2018, 32, 528.3.	0.5	0
39	Structural comparison of the <i>Arabidopsis thaliana</i> family of β -amylases. <i>FASEB Journal</i> , 2018, 32, 792.12.	0.5	0
40	Structural and Functional Characterization of the <i>Leishmania donovani</i> Ufm1-ylation Pathway. <i>FASEB Journal</i> , 2019, 33, 465.3.	0.5	0
41	Managing course embedded research projects of any size using the Open Science Framework. <i>FASEB Journal</i> , 2019, 33, 617.3.	0.5	0
42	Dynamic gating of substrate binding in β -amylase2 from <i>Arabidopsis thaliana</i> . <i>FASEB Journal</i> , 2022, 36, .	0.5	0
43	Hiding the Vegetables: Teaching Programming to Chemists as a Professional Skill. <i>ACS Symposium Series</i> , 0, , 29-41.	0.5	0