

Joseph S Harrison

List of Publications by Year in descending order

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28
papers

1,038
citations

516710

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501196

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33
all docs

33
docs citations

33
times ranked

1891
citing authors

#	ARTICLE	IF	CITATIONS
1	From Protein Design to the Energy Landscape of a Cold Unfolding Protein. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1212-1231.	2.6	3
2	Coevolutionary Analysis Implicates Toll-Like Receptor 9 in Papillomavirus Restriction. <i>MBio</i> , 2022, 13, e0005422.	4.1	5
3	Functional conservation and divergence of the helix-helix motif of E2 ubiquitin-conjugating enzymes. <i>EMBO Journal</i> , 2022, 41, e108823.	7.8	8
4	Linkage-specific ubiquitin chain formation depends on a lysine hydrocarbon ruler. <i>Nature Chemical Biology</i> , 2021, 17, 272-279.	8.0	26
5	Mechanically transduced immunosorbent assay to measure protein-protein interactions. <i>ELife</i> , 2021, 10, .	6.0	3
6	Designed, highly expressing, thermostable dengue virus 2 envelope protein dimers elicit quaternary epitope antibodies. <i>Science Advances</i> , 2021, 7, eabg4084.	10.3	22
7	Identification of disease-linked hyperactivating mutations in UBE3A through large-scale functional variant analysis. <i>Nature Communications</i> , 2021, 12, 6809.	12.8	10
8	KRAS Ubiquitination at Lysine 104 Retains Exchange Factor Regulation by Dynamically Modulating the Conformation of the Interface. <i>IScience</i> , 2020, 23, 101448.	4.1	14
9	In silico APC/C substrate discovery reveals cell cycle-dependent degradation of UHRF1 and other chromatin regulators. <i>PLoS Biology</i> , 2020, 18, e3000975.	5.6	7
10	Comparative biochemical analysis of UHRF proteins reveals molecular mechanisms that uncouple UHRF2 from DNA methylation maintenance. <i>Nucleic Acids Research</i> , 2018, 46, 4405-4416.	14.5	25
11	A Bifunctional Role for the UHRF1-UBL Domain in the Control of Hemi-methylated DNA-Dependent Histone Ubiquitylation. <i>Molecular Cell</i> , 2018, 72, 753-765.e6.	9.7	58
12	Mechanism of Lysine 48 Selectivity during Polyubiquitin Chain Formation by the Ube2R1/2 Ubiquitin-Conjugating Enzyme. <i>Molecular and Cellular Biology</i> , 2016, 36, 1720-1732.	2.3	14
13	Identification and Characterization of MCM3 as a Kelch-like ECH-associated Protein 1 (KEAP1) Substrate. <i>Journal of Biological Chemistry</i> , 2016, 291, 23719-23733.	3.4	68
14	Dual RING E3 Architectures Regulate Multiubiquitination and Ubiquitin Chain Elongation by APC/C. <i>Cell</i> , 2016, 165, 1440-1453.	28.9	126
15	UbSRD: The Ubiquitin Structural Relational Database. <i>Journal of Molecular Biology</i> , 2016, 428, 679-687.	4.2	18
16	Glutamine Triggers Acetylation-Dependent Degradation of Glutamine Synthetase via the Thalidomide Receptor Cereblon. <i>Molecular Cell</i> , 2016, 61, 809-820.	9.7	132
17	Hemi-methylated DNA regulates DNA methylation inheritance through allosteric activation of H3 ubiquitylation by UHRF1. <i>ELife</i> , 2016, 5, .	6.0	111
18	Data in support of UbSRD: The Ubiquitin Structural Relational Database. <i>Data in Brief</i> , 2015, 5, 605-615.	1.0	3

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19	An Allosteric Interaction Links USP7 to Deubiquitination and Chromatin Targeting of UHRF1. <i>Cell Reports</i> , 2015, 12, 1400-1406.	6.4	78
20	Structural Characterization of the Glycoprotein GP2 Core Domain from the CAS Virus, a Novel Arenavirus-Like Species. <i>Journal of Molecular Biology</i> , 2014, 426, 1452-1468.	4.2	25
21	Side chain requirements for affinity and specificity in D5, an HIV-1 antibody derived from the VH1-69 germline segment. <i>BMC Biochemistry</i> , 2013, 14, 9.	4.4	3
22	Role of Electrostatic Repulsion in Controlling pH-Dependent Conformational Changes of Viral Fusion Proteins. <i>Structure</i> , 2013, 21, 1085-1096.	3.3	53
23	Crystal Structure of the Marburg Virus GP2 Core Domain in Its Postfusion Conformation. <i>Biochemistry</i> , 2012, 51, 7665-7675.	2.5	37
24	Marburg Virus Glycoprotein GP2: pH-Dependent Stability of the Ectodomain α -Helical Bundle. <i>Biochemistry</i> , 2012, 51, 2515-2525.	2.5	35
25	Designed protein mimics of the Ebola virus glycoprotein GP2 α -helical bundle: Stability and pH effects. <i>Protein Science</i> , 2011, 20, 1587-1596.	7.6	41
26	Inhibition of Ebola Virus Entry by a C-peptide Targeted to Endosomes. <i>Journal of Biological Chemistry</i> , 2011, 286, 15854-15861.	3.4	59
27	Contribution of Light Chain Residues to High Affinity Binding in an HIV-1 Antibody Explored by Combinatorial Scanning Mutagenesis. <i>Biochemistry</i> , 2010, 49, 5464-5472.	2.5	15
28	Sulfite Reduction in Mycobacteria. <i>Journal of Bacteriology</i> , 2007, 189, 6714-6722.	2.2	34