

Donghyuk Shin

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,642
citations

566801

15
h-index

525886

27
g-index

37
all docs

37
docs citations

37
times ranked

3321
citing authors

#	ARTICLE	IF	CITATIONS
1	Papain-like protease regulates SARS-CoV-2 viral spread and innate immunity. <i>Nature</i> , 2020, 587, 657-662.	13.7	818
2	Inhibition of bacterial ubiquitin ligases by SidJ-calmodulin catalysed glutamylation. <i>Nature</i> , 2019, 572, 382-386.	13.7	98
3	A20 promotes metastasis of aggressive basal-like breast cancers through multi-monoubiquitylation of Snail1. <i>Nature Cell Biology</i> , 2017, 19, 1260-1273.	4.6	91
4	Regulation of Phosphoribosyl-Linked Serine Ubiquitination by Deubiquitinases DupA and DupB. <i>Molecular Cell</i> , 2020, 77, 164-179.e6.	4.5	91
5	Insights into catalysis and function of phosphoribosyl-linked serine ubiquitination. <i>Nature</i> , 2018, 557, 734-738.	13.7	84
6	Differential contribution of the mitochondrial translation pathway to the survival of diffuse large B-cell lymphoma subsets. <i>Cell Death and Differentiation</i> , 2017, 24, 251-262.	5.0	65
7	Simeprevir Potently Suppresses SARS-CoV-2 Replication and Synergizes with Remdesivir. <i>ACS Central Science</i> , 2021, 7, 792-802.	5.3	59
8	Distinct Z-DNA binding mode of a PKR-like protein kinase containing a Z-DNA binding domain (PKZ). <i>Nucleic Acids Research</i> , 2014, 42, 5937-5948.	6.5	46
9	Famotidine inhibits toll-like receptor 3-mediated inflammatory signaling in SARS-CoV-2 infection. <i>Journal of Biological Chemistry</i> , 2021, 297, 100925.	1.6	43
10	Polyubiquitin recognition by AtSAP5, an A20-type zinc finger containing protein from <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 436-440.	1.0	26
11	Sequence preference and structural heterogeneity of BZ junctions. <i>Nucleic Acids Research</i> , 2018, 46, 10504-10513.	6.5	25
12	Site-specific monoubiquitination downregulates Rab5 by disrupting effector binding and guanine nucleotide conversion. <i>ELife</i> , 2017, 6, .	2.8	24
13	Bacterial OTU deubiquitinases regulate substrate ubiquitination upon <i>Legionella</i> infection. <i>ELife</i> , 2020, 9, .	2.8	23
14	Differential Physiological Roles of ESCRT Complexes in <i>Caenorhabditis elegans</i> . <i>Molecules and Cells</i> , 2011, 31, 585-592.	1.0	22
15	Modulation of ABA Signaling by Altering VxGIL Motif of PP2Cs in <i>Oryza sativa</i> . <i>Molecular Plant</i> , 2017, 10, 1190-1205.	3.9	20
16	New conformations of linear polyubiquitin chains from crystallographic and solution-scattering studies expand the conformational space of polyubiquitin. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 524-535.	1.1	11
17	Structural and kinetic insights into flavin-containing monooxygenase and calponin-homology domains in human MICAL3. <i>IUCr</i> , 2020, 7, 90-99.	1.0	10
18	The kinetic characterization and X-ray structure of a putative benzoylformate decarboxylase from <i>M. smegmatis</i> highlights the difficulties in the functional annotation of ThDP-dependent enzymes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1001-1009.	1.1	8

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19	Development of a novel fluorescent biosensor for dynamic monitoring of metabolic methionine redox status in cells and tissues. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113031.	5.3	8
20	Development of ADPribosyl Ubiquitin Analogues to Study Enzymes Involved in Legionella Infection. <i>Chemistry - A European Journal</i> , 2021, 27, 2506-2512.	1.7	7
21	Crystal Structure of IlvC, a Ketol-Acid Reductoisomerase, from <i>Streptococcus Pneumoniae</i> . <i>Crystals</i> , 2019, 9, 551.	1.0	5
22	Molecular Determinants of Polyubiquitin Recognition by Continuous Ubiquitin-Binding Domains of Rad18. <i>Biochemistry</i> , 2015, 54, 2136-2148.	1.2	4
23	Differential polyubiquitin recognition by tandem ubiquitin binding domains of Rabex-5. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 757-762.	1.0	3
24	Molecular determinants of the interaction between Doa1 and Hse1 involved in endosomal sorting. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 352-357.	1.0	3
25	Label-free Detection of the Transcription Initiation Factor Assembly and Specific Inhibition by Aptamers. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1279-1284.	1.0	3
26	Structural mechanism for regulation of Rab7 by site-specific monoubiquitination. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 347-357.	3.6	3
27	Structural and biochemical characterizations of an intramolecular tandem coiled coil protein. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 339-346.	1.0	1
28	Crystal structure of <i>Pyrococcus furiosus</i> PF2050, a member of the DUF2666 protein family. <i>FEBS Letters</i> , 2012, 586, 1384-1388.	1.3	0
29	Small-Angle X-Ray Scattering and Biochemical Studies of an Intramolecular Tandem Coiled Coil. <i>Biophysical Journal</i> , 2015, 108, 375a.	0.2	0
30	Structural Basis for Conformational Space of Linear Polyubiquitin by Crystallography and Solution Scattering. <i>Biophysical Journal</i> , 2016, 110, 44a.	0.2	0
31	Current understanding of SARS-CoV-2 papain-like protease inhibitors. <i>Biodesign</i> , 2022, 10, 1-7.	0.2	0