Donghyuk Shin

List of Publications by Year
in descending order

31 papers	1,642 citations	567281 15 h-index	526287 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. Nature, 2020, 587, 657-662.	27.8	818
2	Inhibition of bacterial ubiquitin ligases by SidJâ€“calmodulin catalysed glutamylation. Nature, 2019, 572, 382-386.	27.8	98
3	A20 promotes metastasis of aggressive basal-like breast cancers through multi-monoubiquitylation ofÂSnail1. Nature Cell Biology, 2017, 19, 1260-1273.	10.3	91
4	Regulation of Phosphoribosyl-Linked Serine Ubiquitination by Deubiquitinases DupA and DupB. Molecular Cell, 2020, 77, 164-179.e6.	9.7	91
5	Insights into catalysis and function of phosphoribosyl-linked serine ubiquitination. Nature, 2018, 557, 734-738.	27.8	84
6	Differential contribution of the mitochondrial translation pathway to the survival of diffuse large B-cell lymphoma subsets. Cell Death and Differentiation, 2017, 24, 251-262.	11.2	65
7	Simeprevir Potently Suppresses SARS-CoV-2 Replication and Synergizes with Remdesivir. ACS Central Science, 2021, 7, 792-802.	11.3	59
8	Distinct Z-DNA binding mode of a PKR-like protein kinase containing a Z-DNA binding domain (PKZ). Nucleic Acids Research, 2014, 42, 5937-5948.	14.5	46
9	Famotidine inhibits toll-like receptor 3-mediated inflammatory signaling in SARS-CoV-2 infection. Journal of Biological Chemistry, 2021, 297, 100925.	3.4	43
10	Polyubiquitin recognition by AtSAP5, an A20-type zinc finger containing protein from Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2012, 419, 436-440.	2.1	26
11	Sequence preference and structural heterogeneity of BZ junctions. Nucleic Acids Research, 2018, 46, 10504-10513.	14.5	25
12	Site-specific monoubiquitination downregulates Rab5 by disrupting effector binding and guanine nucleotide conversion. ELife, 2017, 6, .	6.0	24
13	Bacterial OTU deubiquitinases regulate substrate ubiquitination upon Legionella infection. ELife, 2020, 9, .	6.0	23
14	Differential Physiological Roles of ESCRT Complexes in Caenorhabditis elegans. Molecules and Cells, 2011, 31, 585-592.	2.6	22
15	Modulation of ABA Signaling by Altering VxGÎ¦L Motif of PP2Cs in Oryza sativa. Molecular Plant, 2017, 10, 1190-1205.	8.3	20
16	New conformations of linear polyubiquitin chains from crystallographic and solution-scattering studies expand the conformational space of polyubiquitin. Acta Crystallographica Section D: Structural Biology, 2016, 72, 524-535.	2.3	11
17	Structural and kinetic insights into flavin-containing monooxygenase and calponin-homology domains in human MICAL3. IUCrJ, 2020, 7, 90-99.	2.2	10
18	The kinetic characterization and X-ray structure of a putative benzoylformate decarboxylase from M. smegmatis highlights the difficulties in the functional annotation of ThDP-dependent enzymes. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1001-1009.	2.3	8

#	Article	IF	Citations
19	Development of a novel fluorescent biosensor for dynamic monitoring of metabolic methionine redox status in cells and tissues. Biosensors and Bioelectronics, 2021, 178, 113031.	10.1	8
20	Development of ADPribosyl Ubiquitin Analogues to Study Enzymes Involved in Legionella Infection. Chemistry - A European Journal, 2021, 27, 2506-2512.	3.3	7
21	Crystal Structure of IlvC, a Ketol-Acid Reductoisomerase, from Streptococcus Pneumoniae. Crystals, 2019, 9, 551.	2.2	5
22	Molecular Determinants of Polyubiquitin Recognition by Continuous Ubiquitin-Binding Domains of Rad18. Biochemistry, 2015, 54, 2136-2148.	2.5	4
23	Differential polyubiquitin recognition by tandem ubiquitin binding domains of Rabex-5. Biochemical and Biophysical Research Communications, 2012, 423, 757-762.	2.1	3
24	Molecular determinants of the interaction between Doa1 and Hse1 involved in endosomal sorting. Biochemical and Biophysical Research Communications, 2014, 446, 352-357.	2.1	3
25	Label-free Detection of the Transcription Initiation Factor Assembly and Specific Inhibition by Aptamers. Bulletin of the Korean Chemical Society, 2014, 35, 1279-1284.	1.9	3
26	Structural mechanism for regulation of Rab7 by site-specific monoubiquitination. International Journal of Biological Macromolecules, 2022, 194, 347-357.	7.5	3
27	Structural and biochemical characterizations of an intramolecular tandem coiled coil protein. Biochemical and Biophysical Research Communications, 2014, 455, 339-346.	2.1	1
28	Crystal structure of Pyrococcus furiosus PF2050, a member of the DUF2666 protein family. FEBS Letters, 2012, 586, 1384-1388.	2.8	0
29	Small-Angle X-Ray Scattering and Biochemical Studies of an Intramolecular Tandem Coiled Coil. Biophysical Journal, 2015, 108, 375a.	0.5	0
30	Structural Basis for Conformatioanl Space of Linear Polyubiquitin by Crystallography and Solution Scattering. Biophysical Journal, 2016, 110, 44a.	0.5	0
31	Current understanding of SARS-CoV-2 papain-like protease inhibitors. Biodesign, 2022, 10, 1-7.	0.4	0