

Bonsu Ku

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,531
citations

361413

20
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

5881
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagic and tumour suppressor activity of a novel Beclin1-binding protein UVRAG. <i>Nature Cell Biology</i> , 2006, 8, 688-698.	10.3	945
2	Evidence that inhibition of BAX activation by BCL-2 involves its tight and preferential interaction with the BH3 domain of BAX. <i>Cell Research</i> , 2011, 21, 627-641.	12.0	245
3	Structural and Biochemical Bases for the Inhibition of Autophagy and Apoptosis by Viral BCL-2 of Murine β -Herpesvirus 68. <i>PLoS Pathogens</i> , 2008, 4, e25.	4.7	174
4	Mitochondrial Akt Regulation of Hypoxic Tumor Reprogramming. <i>Cancer Cell</i> , 2016, 30, 257-272.	16.8	158
5	Structural Studies of a Bacterial Condensin Complex Reveal ATP-Dependent Disruption of Intersubunit Interactions. <i>Cell</i> , 2009, 136, 85-96.	28.9	145
6	Molecular basis for unidirectional scaffold switching of human Plk4 in centriole biogenesis. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 696-703.	8.2	94
7	VipD of <i>Legionella pneumophila</i> Targets Activated Rab5 and Rab22 to Interfere with Endosomal Trafficking in Macrophages. <i>PLoS Pathogens</i> , 2012, 8, e1003082.	4.7	89
8	Structural insights into the dual nucleotide exchange and GDI displacement activity of SidM/DrrA. <i>EMBO Journal</i> , 2010, 29, 496-504.	7.8	66
9	UVRAG: A New Player in Autophagy and Tumor Cell Growth. <i>Autophagy</i> , 2007, 3, 69-71.	9.1	60
10	Downregulation of autophagy by Bcl-2 promotes MCF7 breast cancer cell growth independent of its inhibition of apoptosis. <i>Cell Death and Differentiation</i> , 2011, 18, 452-464.	11.2	55
11	Structural basis for recognition of the tumor suppressor protein PTPN14 by the oncoprotein E7 of human papillomavirus. <i>PLoS Biology</i> , 2019, 17, e3000367.	5.6	45
12	An insight into the mechanistic role of Beclin 1 and its inhibition by prosurvival Bcl-2 family proteins. <i>Autophagy</i> , 2008, 4, 519-520.	9.1	41
13	The family-wide structure and function of human dual-specificity protein phosphatases. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 421-435.	2.5	34
14	Phosphoinositides Differentially Regulate Protrudin Localization through the FYVE Domain. <i>Journal of Biological Chemistry</i> , 2012, 287, 41268-41276.	3.4	33
15	Structural basis of intersubunit recognition in elongin BC-cullin 5-SOCS box ubiquitin-protein ligase complexes. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1587-1597.	2.5	32
16	Crystal structure of DeSl ϵ 1, a novel deSUMOylase belonging to a putative isopeptidase superfamily. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 2099-2104.	2.6	29
17	Crystal structure of the MukB hinge domain with coiled-coil stretches and its functional implications. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 1483-1490.	2.6	28
18	Disordered region of cereblon is required for efficient degradation by proteolysis-targeting chimera. <i>Scientific Reports</i> , 2019, 9, 19654.	3.3	26

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19	Requirement of the Cep57-Cep63 Interaction for Proper Cep152 Recruitment and Centriole Duplication. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	25
20	Methyl 3-(3-(4-(2,4,4-Trimethylpentan-2-yl)phenoxy)-propanamido)benzoate as a Novel and Dual Malate Dehydrogenase (MDH) 1/2 Inhibitor Targeting Cancer Metabolism. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8631-8646.	6.4	24
21	Structural Study of the HD-PTP Bro1 Domain in a Complex with the Core Region of STAM2, a Subunit of ESCRT-0. <i>PLoS ONE</i> , 2016, 11, e0149113.	2.5	20
22	Nurr1 performs its anti-inflammatory function by regulating RasGRP1 expression in neuro-inflammation. <i>Scientific Reports</i> , 2020, 10, 10755.	3.3	17
23	Structural and Physiological Exploration of Salmonella Typhi YfdX Uncovers Its Dual Function in Bacterial Antibiotic Stress and Virulence. <i>Frontiers in Microbiology</i> , 2019, 9, 3329.	3.5	15
24	Molecular Analysis of the Interaction between Human PTPN21 and the Oncoprotein E7 from Human Papillomavirus Genotype 18. <i>Molecules and Cells</i> , 2021, 44, 26-37.	2.6	13
25	The transcription factor PITX1 drives astrocyte differentiation by regulating the SOX9 gene. <i>Journal of Biological Chemistry</i> , 2020, 295, 13677-13690.	3.4	10
26	Structural analysis of the polo-box domain of human Polo-like kinase 2. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1201-1208.	2.6	9
27	Structural study reveals the temperature-dependent conformational flexibility of Tk-PTP, a protein tyrosine phosphatase from <i>Thermococcus kodakaraensis</i> KOD1. <i>PLoS ONE</i> , 2018, 13, e0197635.	2.5	9
28	Crystal Structures and Enzyme Mechanisms of a Dual Fucose Mutarotase/Ribose Pyranase. <i>Journal of Molecular Biology</i> , 2009, 391, 178-191.	4.2	8
29	Structural basis for the dephosphorylating activity of PTPRQ towards phosphatidylinositide substrates. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1522-1529.	2.5	8
30	Conversion of cell-survival activity of Akt into apoptotic death of cancer cells by two mutations on the BIM BH3 domain. <i>Cell Death and Disease</i> , 2015, 6, e1804-e1804.	6.3	8
31	Eif2b3 mutants recapitulate phenotypes of vanishing white matter disease and validate novel disease alleles in zebrafish. <i>Human Molecular Genetics</i> , 2021, 30, 331-342.	2.9	8
32	Identification of novel PTPRQ phosphatase inhibitors based on the virtual screening with docking simulations. <i>Theoretical Biology and Medical Modelling</i> , 2013, 10, 49.	2.1	7
33	Crystal structure of SP-PTP, a low molecular weight protein tyrosine phosphatase from <i>Streptococcus pyogenes</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1217-1222.	2.1	7
34	Identification of novel protein tyrosine phosphatase sigma inhibitors promoting neurite extension. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 87-93.	2.2	6
35	Structural and biochemical analysis of the PTPN4 PDZ domain bound to the C-terminal tail of the human papillomavirus E6 oncoprotein. <i>Journal of Microbiology</i> , 2022, 60, 395-401.	2.8	6
36	Crystal structures of two forms of the <i>Acanthamoeba polyphaga</i> mimivirus Rab GTPase. <i>Archives of Virology</i> , 2017, 162, 3407-3416.	2.1	5

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37	Two-track virtual screening approach to identify both competitive and allosteric inhibitors of human small C-terminal domain phosphatase 1. <i>Journal of Computer-Aided Molecular Design</i> , 2017, 31, 743-753.	2.9	5
38	Crystal structure of human LC8 bound to a peptide from Ebola virus VP35. <i>Journal of Microbiology</i> , 2021, 59, 410-416.	2.8	4
39	High-resolution crystal structure of the PDZ1 domain of human protein tyrosine phosphatase PTP-Bas. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1205-1210.	2.1	3
40	Structural and biochemical analysis of atypically low dephosphorylating activity of human dual-specificity phosphatase 28. <i>PLoS ONE</i> , 2017, 12, e0187701.	2.5	3
41	Discovery of novel protein tyrosine phosphatase sigma inhibitors through the virtual screening with modified scoring function. <i>Medicinal Chemistry Research</i> , 2014, 23, 1016-1022.	2.4	2
42	Discovery of Novel Striatum-enriched Protein Tyrosine Phosphatase Inhibitors Through Structure-based Virtual Screening. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1783-1788.	1.9	2
43	Crystal Structure of the YAP-binding Domain of Human TEAD1. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 74-77.	1.9	2
44	Identification of N-(5-(phenoxyethyl)-1,3,4-thiadiazol-2-yl)acetamide derivatives as novel protein tyrosine phosphatase epsilon inhibitors exhibiting anti-osteoclastic activity. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5204-5211.	3.0	2
45	Oligomer Model of PB1 Domain of p62/SQSTM1 Based on Crystal Structure of Homo-Dimer and Calculation of Helical Characteristics. <i>Molecules and Cells</i> , 2019, 42, 729-738.	2.6	2
46	The Discovery of Novel Protein Tyrosine Phosphatase μ Inhibitors Using a High-throughput Screening Approach. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 44-53.	1.9	1
47	Identification of a Highly Conserved Hypothetical Protein TON_0340 as a Probable Manganese-Dependent Phosphatase. <i>PLoS ONE</i> , 2016, 11, e0167549.	2.5	1
48	Structural and Biochemical Characterization of the Two Drosophila Low Molecular Weight-Protein Tyrosine Phosphatases DARP and Primo-1. <i>Molecules and Cells</i> , 2020, 43, 1035-1045.	2.6	0
49	Crystallization and preliminary diffraction analysis of the phosphatase domain of PTPN14 in the human papillomavirus E7 binding-defective mutant form. <i>Biodesign</i> , 2021, 9, 63-66.	0.4	0