Hyun-Soo Cho

List of Publications by Year
in descending order

41 papers	2,497 citations	516561 16 h-index	289141 40 g-index
43 all docs	43 docs citations	43 times ranked	3928 citing authors

#	Article	IF	Citations
1	Computational design of a neutralizing antibody with picomolar binding affinity for all concerning SARS-CoV-2 variants. MAbs, 2022, 14, 2021601.	2.6	11
2	Cyclin-dependent kinase 1 depolymerizes nuclear lamin filaments by disrupting the head-to-tail interaction of the lamin central rod domain. Journal of Biological Chemistry, 2022, 298, 102256.	1.6	6
3	CHIP-mediated hyperubiquitylation of tau promotes its self-assembly into the insoluble tau filaments. Chemical Science, 2021, 12, 5599-5610.	3.7	16
4	A Novel Therapeutic Anti-ErbB3, ISU104 Exhibits Potent Antitumorigenic Activity by Inhibiting Ligand Binding and ErbB3 Heterodimerization. Molecular Cancer Therapeutics, 2021, 20, 1142-1152.	1.9	5
5	Crosstalk between WNT and STAT3 is mediated by galectin-3 in tumor progression. Gastric Cancer, 2021, 24, 1050-1062.	2.7	14
6	NleB/SseKs ortholog effectors as a general bacterial monoglycosyltransferase for eukaryotic proteins. Current Opinion in Structural Biology, 2021, 68, 215-223.	2.6	3
7	Zinc-binding domain mediates pleiotropic functions of Yvh1 in Cryptococcus neoformans. Journal of Microbiology, 2021, 59, 658-665.	1.3	0
8	Structural and Functional Characterizations of Cancer Targeting Nanoparticles Based on Hepatitis B Virus Capsid. International Journal of Molecular Sciences, 2021, 22, 9140.	1.8	0
9	Computationally-guided design and affinity improvement of a protein binder targeting a specific site on HER2. Computational and Structural Biotechnology Journal, 2021, 19, 1325-1334.	1.9	1
10	Colorectal adenocarcinomaâ€derived EGFR mutants are oncogenic and sensitive to EGFRâ€targeted monoclonal antibodies, cetuximab and panitumumab. International Journal of Cancer, 2020, 146, 2194-2200.	2.3	20
11	Direct binding of TFEÎ± opens DNA binding cleft of RNA polymerase. Nature Communications, 2020, 11, 6123.	5.8	5
12	The in vivo functions of ARPF2 and ARRS1 in ribosomal RNA processing and ribosome biogenesis in Arabidopsis. Journal of Experimental Botany, 2020, 71, 2596-2611.	2.4	4
13	Protein kinase A-induced phosphorylation at the Thr154 affects stability of DJ-1. Parkinsonism and Related Disorders, 2019, 66, 143-150.	1.1	7
14	Structural analysis of fungal pathogenicity-related casein kinase Î± subunit, Cka1, in the human fungal pathogen Cryptococcus neoformans. Scientific Reports, 2019, 9, 14398.	1.6	2
15	Non-cryogenic structure of a chloride pump provides crucial clues to temperature-dependent channel transport efficiency. Journal of Biological Chemistry, 2019, 294, 794-804.	1.6	14
16	RSL Class II Transcription Factors Guide the Nuclear Localization of RHL1 to Regulate Root Hair Development. Plant Physiology, 2019, 179, 558-568.	2.3	23
17	Structural Study of Monomethyl Fumarate-Bound Human GAPDH. Molecules and Cells, 2019, 42, 597-603.	1.0	10
18	Crystal Structure of Human Dual-Specificity Tyrosine-Regulated Kinase 3 Reveals New Structural Features and Insights into its Auto-phosphorylation. Journal of Molecular Biology, 2018, 430, 1521-1530.	2.0	11

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19	A missense allele of KARRIKIN-INSENSITIVE2 impairs ligand-binding and downstream signaling in Arabidopsis thaliana. Journal of Experimental Botany, 2018, 69, 3609-3623.	2.4	26
20	Structural basis for arginine glycosylation of host substrates by bacterial effector proteins. Nature Communications, 2018, 9, 4283.	5.8	52
21	Crystal structure of GSK3Î² in complex with the flavonoid, morin. Biochemical and Biophysical Research Communications, 2018, 504, 519-524.	1.0	18
22	Structural insights showing how arginine is able to be glycosylated by pathogenic effector proteins. BMB Reports, 2018, 51, 609-610.	1.1	2
23	Constitutive activation of T cells by Î³2-herpesviral GPCR through the interaction with cellular CXCR4. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1-11.	1.9	5
24	N-linked glycosylation plays a critical role for the secretion of HMGB1. Journal of Cell Science, 2016, 129, 29-38.	1.2	42
25	Crystal structure and functional characterization of a light-driven chloride pump having an NTQ motif. Nature Communications, 2016, 7, 12677.	5.8	54
26	New structural insight of C-terminal region of Syntenin-1, enhancing the molecular dimerization and inhibitory function related on Syndecan-4 signaling. Scientific Reports, 2016, 6, 36818.	1.6	18
27	Endosomal acidic pH-induced conformational changes of a cytosol-penetrating antibody mediate endosomal escape. Journal of Controlled Release, 2016, 235, 165-175.	4.8	42
28	Monomerization and <scp>ER</scp> Relocalization of <scp>GRASP</scp> Is a Requisite for Unconventional Secretion of <scp>CFTR</scp>. Traffic, 2016, 17, 733-753.	1.3	63
29	Spread of Mutant Middle East Respiratory Syndrome Coronavirus with Reduced Affinity to Human CD26 during the South Korean Outbreak. MBio, 2016, 7, e00019.	1.8	76
30	GC1118, an Anti-EGFR Antibody with a Distinct Binding Epitope and Superior Inhibitory Activity against High-Affinity EGFR Ligands. Molecular Cancer Therapeutics, 2016, 15, 251-263.	1.9	24
31	Enzymatic Prenylation and Oxime Ligation for the Synthesis of Stable and Homogeneous Proteinâ€“Drug Conjugates for Targeted Therapy. Angewandte Chemie - International Edition, 2015, 54, 12020-12024.	7.2	67
32	Akt-mediated phosphorylation increases the binding affinity of hTERT for importin Î± to promote nuclear translocation. Journal of Cell Science, 2015, 128, 2287-2301.	1.2	31
33	Solution structure of the transmembrane 2 domain of the human melanocortin-4 receptor in sodium dodecyl sulfate (SDS) micelles and the functional implication of the D90N mutant. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1294-1302.	1.4	6
34	In Vitro and In Vivo Investigation of the Inhibition of Trypanosoma brucei Cell Growth by Lipophilic Bisphosphonates. Antimicrobial Agents and Chemotherapy, 2015, 59, 7530-7539.	1.4	13
35	Crystal structure of syndesmos and its interaction with Syndecan-4 proteoglycan. Biochemical and Biophysical Research Communications, 2015, 463, 762-767.	1.0	7
36	Co-expression of human agouti-related protein enhances expression and stability of human melanocortin-4 receptor. Biochemical and Biophysical Research Communications, 2015, 456, 116-121.	1.0	1

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37	Computational Design of Binding Proteins to EGFR Domain II. PLoS ONE, 2014, 9, e92513.	1.1	9
38	The structures of the kinase domain and UBA domain of MPK38 suggest the activation mechanism for kinase activity. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 514-521.	2.5	9
39	The crystal structure of MPK38 in complex with OTSSP167, an orally administrative MELK selective inhibitor. Biochemical and Biophysical Research Communications, 2014, 447, 7-11.	1.0	22
40	Structure of the extracellular region of HER2 alone and in complex with the Herceptin Fab. Nature, 2003, 421, 756-760.	13.7	1,363
41	Structure of the Extracellular Region of HER3 Reveals an Interdomain Tether. Science, 2002, 297, 1330-1333.	6.0	388