

Hyun-Soo Cho

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Structure of the extracellular region of HER2 alone and in complex with the Herceptin Fab. <i>Nature</i> , 2003, 421, 756-760. | 13.7 | 1,363 |
| 2 | Structure of the Extracellular Region of HER3 Reveals an Interdomain Tether. <i>Science</i> , 2002, 297, 1330-1333. | 6.0 | 388 |
| 3 | Spread of Mutant Middle East Respiratory Syndrome Coronavirus with Reduced Affinity to Human CD26 during the South Korean Outbreak. <i>MBio</i> , 2016, 7, e00019. | 1.8 | 76 |
| 4 | Enzymatic Prenylation and Oxime Ligation for the Synthesis of Stable and Homogeneous Proteinâ€“Drug Conjugates for Targeted Therapy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12020-12024. | 7.2 | 67 |
| 5 | Monomerization and <sc>ER</sc> Relocalization of <sc>GRASP</sc> Is a Requisite for Unconventional Secretion of <sc>CFTR</sc>. <i>Traffic</i> , 2016, 17, 733-753. | 1.3 | 63 |
| 6 | Crystal structure and functional characterization of a light-driven chloride pump having an NTQ motif. <i>Nature Communications</i> , 2016, 7, 12677. | 5.8 | 54 |
| 7 | Structural basis for arginine glycosylation of host substrates by bacterial effector proteins. <i>Nature Communications</i> , 2018, 9, 4283. | 5.8 | 52 |
| 8 | N-linked glycosylation plays a critical role for the secretion of HMGB1. <i>Journal of Cell Science</i> , 2016, 129, 29-38. | 1.2 | 42 |
| 9 | Endosomal acidic pH-induced conformational changes of a cytosol-penetrating antibody mediate endosomal escape. <i>Journal of Controlled Release</i> , 2016, 235, 165-175. | 4.8 | 42 |
| 10 | Akt-mediated phosphorylation increases the binding affinity of hTERT for importin Î± to promote nuclear translocation. <i>Journal of Cell Science</i> , 2015, 128, 2287-2301. | 1.2 | 31 |
| 11 | A missense allele of KARRIKIN-INSENSITIVE2 impairs ligand-binding and downstream signaling in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 3609-3623. | 2.4 | 26 |
| 12 | GC1118, an Anti-EGFR Antibody with a Distinct Binding Epitope and Superior Inhibitory Activity against High-Affinity EGFR Ligands. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 251-263. | 1.9 | 24 |
| 13 | RSL Class II Transcription Factors Guide the Nuclear Localization of RHL1 to Regulate Root Hair Development. <i>Plant Physiology</i> , 2019, 179, 558-568. | 2.3 | 23 |
| 14 | The crystal structure of MPK38 in complex with OTSSP167, an orally administrative MELK selective inhibitor. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 7-11. | 1.0 | 22 |
| 15 | Colorectal adenocarcinomaâ€“derived EGFR mutants are oncogenic and sensitive to EGFRâ€“targeted monoclonal antibodies, cetuximab and panitumumab. <i>International Journal of Cancer</i> , 2020, 146, 2194-2200. | 2.3 | 20 |
| 16 | New structural insight of C-terminal region of Syntenin-1, enhancing the molecular dimerization and inhibitory function related on Syndecan-4 signaling. <i>Scientific Reports</i> , 2016, 6, 36818. | 1.6 | 18 |
| 17 | Crystal structure of GSK3Î² in complex with the flavonoid, morin. <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 519-524. | 1.0 | 18 |
| 18 | CHIP-mediated hyperubiquitylation of tau promotes its self-assembly into the insoluble tau filaments. <i>Chemical Science</i> , 2021, 12, 5599-5610. | 3.7 | 16 |

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|----|--|-----|-----------|
| 19 | Non-cryogenic structure of a chloride pump provides crucial clues to temperature-dependent channel transport efficiency. <i>Journal of Biological Chemistry</i> , 2019, 294, 794-804. | 1.6 | 14 |
| 20 | Crosstalk between WNT and STAT3 is mediated by galectin-3 in tumor progression. <i>Gastric Cancer</i> , 2021, 24, 1050-1062. | 2.7 | 14 |
| 21 | <i>In Vitro</i> and <i>In Vivo</i> Investigation of the Inhibition of <i>Trypanosoma brucei</i> Cell Growth by Lipophilic Bisphosphonates. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7530-7539. | 1.4 | 13 |
| 22 | Crystal Structure of Human Dual-Specificity Tyrosine-Regulated Kinase 3 Reveals New Structural Features and Insights into its Auto-phosphorylation. <i>Journal of Molecular Biology</i> , 2018, 430, 1521-1530. | 2.0 | 11 |
| 23 | Computational design of a neutralizing antibody with picomolar binding affinity for all concerning SARS-CoV-2 variants. <i>MAbs</i> , 2022, 14, 2021601. | 2.6 | 11 |
| 24 | Structural Study of Monomethyl Fumarate-Bound Human GAPDH. <i>Molecules and Cells</i> , 2019, 42, 597-603. | 1.0 | 10 |
| 25 | Computational Design of Binding Proteins to EGFR Domain II. <i>PLoS ONE</i> , 2014, 9, e92513. | 1.1 | 9 |
| 26 | The structures of the kinase domain and UBA domain of MPK38 suggest the activation mechanism for kinase activity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 514-521. | 2.5 | 9 |
| 27 | Crystal structure of syndesmos and its interaction with Syndecan-4 proteoglycan. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 762-767. | 1.0 | 7 |
| 28 | Protein kinase A-induced phosphorylation at the Thr154 affects stability of DJ-1. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 143-150. | 1.1 | 7 |
| 29 | 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. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1294-1302. | 1.4 | 6 |
| 30 | Cyclin-dependent kinase 1 depolymerizes nuclear lamin filaments by disrupting the head-to-tail interaction of the lamin central rod domain. <i>Journal of Biological Chemistry</i> , 2022, 298, 102256. | 1.6 | 6 |
| 31 | Constitutive activation of T cells by \hat{I}^32 -herpesviral GPCR through the interaction with cellular CXCR4. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1-11. | 1.9 | 5 |
| 32 | Direct binding of TFE \hat{I}^{\pm} opens DNA binding cleft of RNA polymerase. <i>Nature Communications</i> , 2020, 11, 6123. | 5.8 | 5 |
| 33 | A Novel Therapeutic Anti-ErbB3, ISU104 Exhibits Potent Antitumorigenic Activity by Inhibiting Ligand Binding and ErbB3 Heterodimerization. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1142-1152. | 1.9 | 5 |
| 34 | The in vivo functions of ARPF2 and ARRS1 in ribosomal RNA processing and ribosome biogenesis in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 2596-2611. | 2.4 | 4 |
| 35 | NleB/SseKs ortholog effectors as a general bacterial monoglycosyltransferase for eukaryotic proteins. <i>Current Opinion in Structural Biology</i> , 2021, 68, 215-223. | 2.6 | 3 |
| 36 | Structural analysis of fungal pathogenicity-related casein kinase \hat{I}^{\pm} subunit, Cka1, in the human fungal pathogen <i>Cryptococcus neoformans</i> . <i>Scientific Reports</i> , 2019, 9, 14398. | 1.6 | 2 |

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|----|--|-----|-----------|
| 37 | Structural insights showing how arginine is able to be glycosylated by pathogenic effector proteins. <i>BMB Reports</i> , 2018, 51, 609-610. | 1.1 | 2 |
| 38 | Co-expression of human agouti-related protein enhances expression and stability of human melanocortin-4 receptor. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 116-121. | 1.0 | 1 |
| 39 | Computationally-guided design and affinity improvement of a protein binder targeting a specific site on HER2. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1325-1334. | 1.9 | 1 |
| 40 | Zinc-binding domain mediates pleiotropic functions of Yvh1 in <i>Cryptococcus neoformans</i> . <i>Journal of Microbiology</i> , 2021, 59, 658-665. | 1.3 | 0 |
| 41 | Structural and Functional Characterizations of Cancer Targeting Nanoparticles Based on Hepatitis B Virus Capsid. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9140. | 1.8 | 0 |