Hyun Lee

List of Publications by Year in descending order

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46 papers	1,904 citations	361296 20 h-index	276775 41 g-index
47 all docs	47 docs citations	47 times ranked	3215 citing authors

#	Article	IF	Citations
1	A tripartite complex of suPAR, APOL1 risk variants and Î±vÎ²3 integrin on podocytes mediates chronic kidney disease. Nature Medicine, 2017, 23, 945-953.	15.2	176
2	Masitinib is a broad coronavirus 3CL inhibitor that blocks replication of SARS-CoV-2. Science, 2021, 373, 931-936.	6.0	173
3	Severe Acute Respiratory Syndrome Coronavirus Papain-like Novel Protease Inhibitors: Design, Synthesis, Proteinâ^'Ligand X-ray Structure and Biological Evaluation. Journal of Medicinal Chemistry, 2010, 53, 4968-4979.	2.9	129
4	Structure and Function of the Phosphothreonine-Specific FHA Domain. Science Signaling, 2008, 1, re12.	1.6	126
5	Inhibitor Recognition Specificity of MERS-CoV Papain-like Protease May Differ from That of SARS-CoV. ACS Chemical Biology, 2015, 10, 1456-1465.	1.6	114
6	Identification of novel small molecule inhibitors against NS2B/NS3 serine protease from Zika virus. Antiviral Research, 2017, 139, 49-58.	1.9	113
7	Design of SARS-CoV-2 PLpro Inhibitors for COVID-19 Antiviral Therapy Leveraging Binding Cooperativity. Journal of Medicinal Chemistry, 2022, 65, 2940-2955.	2.9	102
8	Probing the structural requirements of non-electrophilic naphthalene-based Nrf2 activators. European Journal of Medicinal Chemistry, 2015, 103, 252-268.	2.6	88
9	Diphosphothreonine-Specific Interaction between an SQ/TQ Cluster and an FHA Domain in the Rad53-Dun1 Kinase Cascade. Molecular Cell, 2008, 30, 767-778.	4.5	74
10	Rufomycin Targets ClpC1 Proteolysis in Mycobacterium tuberculosis and M. abscessus. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	68
11	Airway Epithelial Cell-Derived Colony Stimulating Factor-1 Promotes Allergen Sensitization. Immunity, 2018, 49, 275-287.e5.	6.6	57
12	Identification of novel drug scaffolds for inhibition of SARS-CoV 3-Chymotrypsin-like protease using virtual and high-throughput screenings. Bioorganic and Medicinal Chemistry, 2014, 22, 167-177.	1.4	48
13	Ginkgolic acid and anacardic acid are specific covalent inhibitors of SARS-CoV-2 cysteine proteases. Cell and Bioscience, 2021, 11, 45.	2.1	47
14	Discovery of chebulagic acid and punicalagin as novel allosteric inhibitors of SARS-CoV-2 3CLpro. Antiviral Research, 2021, 190, 105075.	1.9	44
15	Targeting SARSâ€CoVâ€2 viral proteases as a therapeutic strategy to treat COVIDâ€19. Journal of Medical Virology, 2021, 93, 2722-2734.	2.5	41
16	High-Resolution Structure of ClpC1-Rufomycin and Ligand Binding Studies Provide a Framework to Design and Optimize Anti-Tuberculosis Leads. ACS Infectious Diseases, 2019, 5, 829-840.	1.8	40
17	Proangiogenic Interactions of Vascular Endothelial MMP14 With VEGF Receptor 1 in VEGFA-Mediated Corneal Angiogenesis. , 2016, 57, 3313.		34
18	Reducing agents affect inhibitory activities of compounds: Results from multiple drug targets. Analytical Biochemistry, 2012, 423, 46-53.	1.1	31

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19	Antimycobacterial Rufomycin Analogues from Streptomyces atratus Strain MJM3502. Journal of Natural Products, 2020, 83, 657-667.	1.5	28
20	Insights into substrate promiscuity of human seryl-tRNA synthetase. Rna, 2017, 23, 1685-1699.	1.6	25
21	MMP14 Cleavage of VEGFR1 in the Cornea Leads to a VEGF-Trap Antiangiogenic Effect. , 2015, 56, 5450.		24
22	Hit-to-Lead: Hit Validation and Assessment. Methods in Enzymology, 2018, 610, 265-309.	0.4	23
23	Identification and design of novel small molecule inhibitors against MERS-CoV papain-like protease via high-throughput screening and molecular modeling. Bioorganic and Medicinal Chemistry, 2019, 27, 1981-1989.	1.4	23
24	Structure of the N-terminal domain of ClpC1 in complex with the antituberculosis natural product ecumicin reveals unique binding interactions. Acta Crystallographica Section D: Structural Biology, 2020, 76, 458-471.	1.1	23
25	High-Throughput Screening (HTS) and Hit Validation to Identify Small Molecule Inhibitors with Activity against NS3/4A proteases from Multiple Hepatitis C Virus Genotypes. PLoS ONE, 2013, 8, e75144.	1.1	21
26	Synergistic Inhibitor Binding to the Papainâ€Like Protease of Human SARS Coronavirus: Mechanistic and Inhibitor Design Implications. ChemMedChem, 2013, 8, 1361-1372.	1.6	19
27	Nonimmune cellâ€“derived ICOS ligand functions as a renoprotective Î±vÎ²3 integrinâ€“selective antagonist. Journal of Clinical Investigation, 2019, 129, 1713-1726.	3.9	19
28	Ca-asp bound X-ray structure and inhibition of Bacillus anthracis dihydroorotase (DHOase). Bioorganic and Medicinal Chemistry, 2016, 24, 4536-4543.	1.4	18
29	High-level expression, purification, and characterization of Staphylococcus aureus dihydroorotase (PyrC) as a cleavable His-SUMO fusion. Protein Expression and Purification, 2013, 88, 98-106.	0.6	16
30	Evidence for distinct mechanisms of small molecule inhibitors of filovirus entry. PLoS Pathogens, 2021, 17, e1009312.	2.1	16
31	Artemisinins target the intermediate filament protein vimentin for human cytomegalovirus inhibition. Journal of Biological Chemistry, 2020, 295, 15013-15028.	1.6	14
32	Over-expression, purification, and confirmation of Bacillus anthracis transcriptional regulator NprR. Protein Expression and Purification, 2016, 125, 83-89.	0.6	13
33	Identification of Non-Macrocyclic Small Molecule Inhibitors against the NS3/4A Serine Protease of Hepatitis C Virus through in Silico Screening. Journal of Chemical Information and Modeling, 2012, 52, 2245-2256.	2.5	12
34	Structural characterization ofPorphyromonas gingivalisenoyl-ACP reductase II (FabK). Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 105-112.	0.4	11
35	Identification of potential binding sites for the FHA domain of human Chk2 by in vitro binding studies. Biochemical and Biophysical Research Communications, 2003, 311, 803-808.	1.0	10
36	Identification of Small Molecules Exhibiting Oxacillin Synergy through a Novel Assay for Inhibition of vraTSR Expression in Methicillin-Resistant Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	10

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37	Rufomycins or Ilamycins: Naming Clarifications and Definitive Structural Assignments. Journal of Natural Products, 2021, 84, 2644-2663.	1.5	10
38	Identification of B. anthracis N5-carboxyaminoimidazole ribonucleotide mutase (PurE) active site binding compounds via fragment library screening. Bioorganic and Medicinal Chemistry, 2016, 24, 596-605.	1.4	7
39	Limonoids and other triterpenoids from Entandrophragma angolense. FÃ¬toterapÃ¬Ã¢, 2021, 150, 104846.	1.1	7
40	MD simulations reveal alternate conformations of the oxyanion hole in the Zika virus NS2B/NS3 protease. Proteins: Structure, Function and Bioinformatics, 2020, 88, 345-354.	1.5	6
41	Histatinâ€1 is an endogenous ligand of the sigmaâ€2 receptor. FEBS Journal, 2021, 288, 6815-6827.	2.2	6
42	Identification of Small Molecule Inhibitors against Staphylococcus aureus Dihydroorotase via HTS. International Journal of Molecular Sciences, 2021, 22, 9984.	1.8	6
43	A colorimetric assay optimization for high-throughput screening of dihydroorotase by detecting ureido groups. Analytical Biochemistry, 2013, 441, 87-94.	1.1	5
44	Exploring small molecules with pan-genotypic inhibitory activities against hepatitis C virus NS3/4A serine protease. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2349-2353.	1.0	4
45	Chemical constituents of Entandrophragma angolense and their anti-inflammatory activity. Phytochemistry, 2022, 201, 113276.	1.4	2
46	Discovery of small molecule inhibitors of adenovirus by disrupting E3-19K/HLA-A2 interactions. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2837-2841.	1.0	0