

Donghyun Lim

List of Publications by Year in descending order

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papers

815
citations

623734

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all docs

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docs citations

26
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	A High-Throughput Platform to Identify Small-Molecule Inhibitors of CRISPR-Cas9. <i>Cell</i> , 2019, 177, 1067-1079.e19.	28.9	133
2	Orphan Nuclear Receptor Estrogen-Related Receptor \hat{I}^3 (ERR \hat{I}^3) Is Key Regulator of Hepatic Gluconeogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 21628-21639.	3.4	113
3	A small molecule binding HMGB1 and HMGB2 inhibits microglia-mediated neuroinflammation. <i>Nature Chemical Biology</i> , 2014, 10, 1055-1060.	8.0	99
4	Precision Control of CRISPR-Cas9 Using Small Molecules and Light. <i>Biochemistry</i> , 2019, 58, 234-244.	2.5	92
5	A Novel Non-agonist Peroxisome Proliferator-activated Receptor \hat{I}^3 (PPAR \hat{I}^3) Ligand UHC1 Blocks PPAR \hat{I}^3 Phosphorylation by Cyclin-dependent Kinase 5 (CDK5) and Improves Insulin Sensitivity. <i>Journal of Biological Chemistry</i> , 2014, 289, 26618-26629.	3.4	81
6	Discovery of a Small-Molecule Inhibitor of Proteinâ€MicroRNA Interaction Using Binding Assay with a Site-Specifically Labeled Lin28. <i>Journal of the American Chemical Society</i> , 2016, 138, 13630-13638.	13.7	50
7	Treatment of Sepsis Pathogenesis with High Mobility Group Box Protein 1-Regulating Anti-inflammatory Agents. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 170-179.	6.4	35
8	CRISPR-based therapeutics: current challenges and future applications. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 151-161.	8.7	32
9	Discovery of Carbohybrid-Based 2-Aminopyrimidine Analogues As a New Class of Rapid-Acting Antimalarial Agents Using Image-Based Cytological Profiling Assay. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7425-7434.	6.4	31
10	Engineering designer beta cells with a CRISPR-Cas9 conjugation platform. <i>Nature Communications</i> , 2020, 11, 4043.	12.8	31
11	Restoring Let-7 microRNA Biogenesis Using a Small-Molecule Inhibitor of the Proteinâ€RNA Interaction. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1181-1185.	2.8	22
12	Discovery of Smallâ€Molecule Modulators of Proteinâ€RNA Interactions by Fluorescence Intensityâ€Based Binding Assay. <i>ChemBioChem</i> , 2020, 21, 818-824.	2.6	21
13	Family-selective detection of antibiotics using antibody-functionalized carbon nanotube sensors. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 193-199.	7.8	19
14	Phenotypic Screening to Identify Smallâ€Molecule Enhancers for Glucose Uptake: Target Identification and Rational Optimization of Their Efficacy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5102-5106.	13.8	18
15	Chemogenetic System Demonstrates That Cas9 Longevity Impacts Genome Editing Outcomes. <i>ACS Central Science</i> , 2020, 6, 2228-2237.	11.3	14
16	Synthesis of Molecular Frameworks Containing Two Distinct Heterocycles Connected in a Single Molecule with Enhanced Threeâ€Dimensional Shape Diversity. <i>Chemistry - A European Journal</i> , 2013, 19, 7100-7108.	3.3	8
17	Electroenzymatic synthesis of (S)-styrene oxide employing zinc oxide/carbon black composite electrode. <i>Enzyme and Microbial Technology</i> , 2010, 47, 313-321.	3.2	5
18	Small-molecule modulators of proteinâ€RNA interactions. <i>Current Opinion in Chemical Biology</i> , 2022, 68, 102149.	6.1	4

#	ARTICLE	IF	CITATIONS
19	Rational Design of Silicon-Based Zinc Ionophores. <i>Angewandte Chemie - International Edition</i> , 2022, , e202201698.	13.8	2
20	Abstract: Phenotypic Screening to Identify Small-Molecule Enhancers for Glucose Uptake: Target Identification and Rational Optimization of Their Efficacy (<i>Angew. Chem.</i> 20/2014). <i>Angewandte Chemie</i> , 2014, 126, 5316-5316.	2.0	0
21	Rational Design of Silicon-Based Zinc Ionophores. <i>Angewandte Chemie</i> , 0, , .	2.0	0