

Cai-Guang Yang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

4,860
citations

257450

24
h-index

175258

52
g-index

53
all docs

53
docs citations

53
times ranked

5525
citing authors

#	ARTICLE	IF	CITATIONS
1	m ⁶ A RNA Methylation Regulates the Self-Renewal and Tumorigenesis of Glioblastoma Stem Cells. <i>Cell Reports</i> , 2017, 18, 2622-2634.	6.4	1,026
2	Small-Molecule Targeting of Oncogenic FTO Demethylase in Acute Myeloid Leukemia. <i>Cancer Cell</i> , 2019, 35, 677-691.e10.	16.8	516
3	Meclofenamic acid selectively inhibits FTO demethylation of m ⁶ A over ALKBH5. <i>Nucleic Acids Research</i> , 2015, 43, 373-384.	14.5	453
4	Oxidative demethylation of 3- ⁴ methylthymine and 3- ⁴ methyluracil in single-stranded DNA and RNA by mouse and human FTO. <i>FEBS Letters</i> , 2008, 582, 3313-3319.	2.8	359
5	Development of Cell-Active N ⁶ -Methyladenosine RNA Demethylase FTO Inhibitor. <i>Journal of the American Chemical Society</i> , 2012, 134, 17963-17971.	13.7	314
6	Single-base mapping of m ⁶ A by an antibody-independent method. <i>Science Advances</i> , 2019, 5, eaax0250.	10.3	270
7	Gold(I)-Catalyzed Intermolecular Addition of Phenols and Carboxylic Acids to Olefins. <i>Journal of the American Chemical Society</i> , 2005, 127, 6966-6967.	13.7	268
8	Crystal structures of DNA/RNA repair enzymes AlkB and ABH2 bound to dsDNA. <i>Nature</i> , 2008, 452, 961-965.	27.8	230
9	Tumors exploit FTO-mediated regulation of glycolytic metabolism to evade immune surveillance. <i>Cell Metabolism</i> , 2021, 33, 1221-1233.e11.	16.2	138
10	Antiinfective therapy with a small molecule inhibitor of <i>Staphylococcus aureus</i> sortase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13517-13522.	7.1	128
11	Small-molecule targeting of a diapophytoene desaturase inhibits <i>S. aureus</i> virulence. <i>Nature Chemical Biology</i> , 2016, 12, 174-179.	8.0	121
12	Fluorescein Derivatives as Bifunctional Molecules for the Simultaneous Inhibiting and Labeling of FTO Protein. <i>Journal of the American Chemical Society</i> , 2015, 137, 13736-13739.	13.7	99
13	Small-Molecule Targeting of E3 Ligase Adaptor SPOP in Kidney Cancer. <i>Cancer Cell</i> , 2016, 30, 474-484.	16.8	74
14	Rhein Inhibits AlkB Repair Enzymes and Sensitizes Cells to Methylated DNA Damage. <i>Journal of Biological Chemistry</i> , 2016, 291, 11083-11093.	3.4	69
15	Duplex interrogation by a direct DNA repair protein in search of base damage. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 671-676.	8.2	62
16	Structural Switching of <i>Staphylococcus aureus</i> Clp Protease. <i>Journal of Biological Chemistry</i> , 2011, 286, 37590-37601.	3.4	59
17	Helix Unfolding/Refolding Characterizes the Functional Dynamics of <i>Staphylococcus aureus</i> Clp Protease. <i>Journal of Biological Chemistry</i> , 2013, 288, 17643-17653.	3.4	49
18	The development of small-molecule modulators for ClpP protease activity. <i>Molecular BioSystems</i> , 2017, 13, 23-31.	2.9	49

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19	Mechanistic insight into the recognition of single-stranded and double-stranded DNA substrates by ABH2 and ABH3. <i>Molecular BioSystems</i> , 2010, 6, 2143.	2.9	45
20	The synthesis and antistaphylococcal activity of 9, 13-disubstituted berberine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 424-433.	5.5	43
21	The synthesis and antibacterial activity of pyrazole-fused tricyclic diterpene derivatives. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 10-20.	5.5	39
22	Structural insight into the oxidation-sensing mechanism of the antibiotic resistance of regulator MexR. <i>EMBO Reports</i> , 2010, 11, 685-690.	4.5	38
23	Novobiocin binding to NalD induces the expression of the MexAB-OprM pump in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2016, 100, 749-758.	2.5	32
24	Characterization of Gain-of-Function Mutant Provides New Insights into ClpP Structure. <i>ACS Chemical Biology</i> , 2016, 11, 1964-1972.	3.4	32
25	Targeting the RNA demethylase FTO for cancer therapy. <i>RSC Chemical Biology</i> , 2021, 2, 1352-1369.	4.1	26
26	Dual functions of SPOP and ERG dictate androgen therapy responses in prostate cancer. <i>Nature Communications</i> , 2021, 12, 734.	12.8	26
27	Dysregulation of ClpP by Small-Molecule Activators Used Against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> Infections. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7545-7553.	5.2	24
28	Oxidation-sensing Regulator AbfR Regulates Oxidative Stress Responses, Bacterial Aggregation, and Biofilm Formation in <i>Staphylococcus epidermidis</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 3739-3752.	3.4	22
29	The synthesis and antistaphylococcal activity of dehydroabietic acid derivatives: modifications at C12 and C7. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 917-927.	5.5	21
30	Quinone skeleton as a new class of irreversible inhibitors against <i>Staphylococcus aureus</i> sortase A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1864-1869.	2.2	20
31	Tideglusib and Its Analogues As Inhibitors of <i>Staphylococcus aureus</i> SrtA. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8442-8457.	6.4	19
32	Sulfone-Based Probes Unraveled Dihydrolipoamide S-Succinyltransferase as an Unprecedented Target in Phytopathogens. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6962-6969.	5.2	17
33	Structure-Activity Relationship of SPOP Inhibitors against Kidney Cancer. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4849-4866.	6.4	16
34	The synthesis and antistaphylococcal activity of N-sulfonaminoethyloxime derivatives of dehydroabietic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1943-1948.	2.2	14
35	Design, synthesis and evaluation of hybrid of tetrahydrocarbazole with 2,4-diaminopyrimidine scaffold as antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 203-211.	5.5	13
36	Chemical Intervention on <i>Staphylococcus aureus</i> Virulence. <i>Chinese Journal of Chemistry</i> , 2019, 37, 183-193.	4.9	13

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37	Targeting Epitranscriptomic Proteins for Therapeutic Intervention. <i>Biochemistry</i> , 2020, 59, 125-127.	2.5	13
38	Targeting SPOP with small molecules provides a novel strategy for kidney cancer therapy. <i>Science China Life Sciences</i> , 2017, 60, 91-93.	4.9	12
39	RNA Methylation m ⁶ A: A New Code and Drug Target?. <i>Chinese Journal of Chemistry</i> , 2020, 38, 420-421.	4.9	11
40	Capsaicin derivatives with nitrothiophene substituents: Design, synthesis and antibacterial activity against multidrug-resistant <i>S. Aureus</i> . <i>European Journal of Medicinal Chemistry</i> , 2020, 198, 112352.	5.5	11
41	A π -Rhein-Based π -Rh(III) Arene Complex with Anti-tumor Cell Proliferative Activity Inhibits RNA Demethylase FTO. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1156-1164.	4.9	11
42	Structural Insights into the Redox-Sensing Mechanism of MarR-Type Regulator AbfR. <i>Journal of the American Chemical Society</i> , 2017, 139, 1598-1608.	13.7	10
43	The synthesis and antistaphylococcal activity of dehydroabietic acid derivatives: Modifications at C-12. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5492-5496.	2.2	9
44	Covalent sortase A inhibitor ML346 prevents <i>Staphylococcus aureus</i> infection of <i>Galleria mellonella</i> . <i>RSC Medicinal Chemistry</i> , 2022, 13, 138-149.	3.9	7
45	Structural Insight into the Mechanism of <i>Staphylococcus aureus</i> Stp1 Phosphatase. <i>ACS Infectious Diseases</i> , 2019, 5, 841-850.	3.8	6
46	Design and synthesis of novel desfluoroquinolone-aminopyrimidine hybrids as potent anti-MRSA agents with low hERG activity. <i>Bioorganic Chemistry</i> , 2020, 103, 104176.	4.1	6
47	Design, Synthesis and Biological Evaluation of Bengamide Analogues as ClpP Activators. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1111-1115.	4.9	6
48	Synthesis and Structure-Activity Relationships of Ring-Opened Bengamide Analogues against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Chinese Journal of Chemistry</i> , 2021, 39, 671-676.	4.9	4
49	A Peptide Binder of E3 Ligase Adaptor SPOP Disrupts Oncogenic SPOP-Protein Interactions in Kidney Cancer Cells. <i>Chinese Journal of Chemistry</i> , 2021, 39, 274-280.	4.9	3
50	Revelation of AbfR in regulation of mismatch repair and energy metabolism in <i>S. epidermidis</i> by integrated proteomic and metabolomic analysis. <i>Journal of Proteomics</i> , 2020, 226, 103900.	2.4	2