

Yang Cao

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,229
citations

331670

21
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

4952
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological functions of Atg6/Beclin 1: a unique autophagy-related protein. <i>Cell Research</i> , 2007, 17, 839-849.	12.0	492
2	CB-Dock: a web server for cavity detection-guided protein-ligand blind docking. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 138-144.	6.1	377
3	CB-Dock2: improved protein-ligand blind docking by integrating cavity detection, docking and homologous template fitting. <i>Nucleic Acids Research</i> , 2022, 50, W159-W164.	14.5	219
4	Improved protein-ligand binding affinity prediction by using a curvature-dependent surface-area model. <i>Bioinformatics</i> , 2014, 30, 1674-1680.	4.1	126
5	TRUST4: immune repertoire reconstruction from bulk and single-cell RNA-seq data. <i>Nature Methods</i> , 2021, 18, 627-630.	19.0	126
6	Exploring the computational methods for protein-ligand binding site prediction. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 417-426.	4.1	112
7	Lack of Salicylic Acid in Arabidopsis Protects Plants against Moderate Salt Stress. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2009, 64, 231-238.	1.4	69
8	In vivo reconstitution of autophagy in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2008, 182, 703-713.	5.2	61
9	Advances in RNA 3D Structure Modeling Using Experimental Data. <i>Frontiers in Genetics</i> , 2020, 11, 574485.	2.3	56
10	Improved side-chain modeling by coupling clash-detection guided iterative search with rotamer relaxation. <i>Bioinformatics</i> , 2011, 27, 785-790.	4.1	52
11	Versatility in acyltransferase activity completes chicoric acid biosynthesis in purple coneflower. <i>Nature Communications</i> , 2021, 12, 1563.	12.8	45
12	RNA-Puzzles toolkit: a computational resource of RNA 3D structure benchmark datasets, structure manipulation, and evaluation tools. <i>Nucleic Acids Research</i> , 2020, 48, 576-588.	14.5	44
13	FitDock: protein-ligand docking by template fitting. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	38
14	Atg26 is Not Involved in Autophagy-Related Pathways in <i>Saccharomyces cerevisiae</i> . <i>Autophagy</i> , 2007, 3, 17-20.	9.1	35
15	The bacterial deubiquitinase Ceg23 regulates the association of Lys-63-linked polyubiquitin molecules on the Legionella phagosome. <i>Journal of Biological Chemistry</i> , 2020, 295, 1646-1657.	3.4	33
16	Quantifying side-chain conformational variations in protein structure. <i>Scientific Reports</i> , 2016, 6, 37024.	3.3	30
17	AbRSA: A robust tool for antibody numbering. <i>Protein Science</i> , 2019, 28, 1524-1531.	7.6	29
18	FBXL2 counteracts Grp94 to destabilize EGFR and inhibit EGFR-driven NSCLC growth. <i>Nature Communications</i> , 2021, 12, 5919.	12.8	29

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19	Exploring the Species Diversity of Edible Mushrooms in Yunnan, Southwestern China, by DNA Barcoding. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 310.	3.5	23
20	Structure, Gene Flow, and Recombination among Geographic Populations of a <i>Russula virescens</i> Ally from Southwestern China. <i>PLoS ONE</i> , 2013, 8, e73174.	2.5	22
21	Classification and characterization of multigene family proteins of African swine fever viruses. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	22
22	Functional comparison of SARS-CoV-2 with closely related pangolin and bat coronaviruses. <i>Cell Discovery</i> , 2021, 7, 21.	6.7	20
23	A multiple<i>ATG</i> gene knockout strain for yeast two-hybrid analysis. <i>Autophagy</i> , 2009, 5, 699-705.	9.1	17
24	Novel and selective acetylcholinesterase inhibitors for <i>Tetranychus cinnabarinus</i> (Acari:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (T	2.7	14
25	Characteristics of <i>Stenotrophomonas maltophilia</i> infection in children in Sichuan, China, from 2010 to 2017. <i>Medicine (United States)</i> , 2020, 99, e19250.	1.0	14
26	Rapid Estimation of Binding Activity of Influenza Virus Hemagglutinin to Human and Avian Receptors. <i>PLoS ONE</i> , 2011, 6, e18664.	2.5	13
27	A systematic analysis of miRNA markers and classification algorithms for forensic body fluid identification. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	13
28	Screening for Novel Small-Molecule Inhibitors Targeting the Assembly of Influenza Virus Polymerase Complex by a Bimolecular Luminescence Complementation-Based Reporter System. <i>Journal of Virology</i> , 2017, 91, .	3.4	12
29	Inhibition of Cdc42 is essential for Mig-6 suppression of cell migration induced by EGF. <i>Oncotarget</i> , 2016, 7, 49180-49193.	1.8	12
30	Prediction of antiviral drugs against African swine fever viruses based on proteinâ€“protein interaction analysis. <i>PeerJ</i> , 2020, 8, e8855.	2.0	11
31	DrugDevCovid19: An Atlas of Anti-COVID-19 Compounds Derived by Computer-Aided Drug Design. <i>Molecules</i> , 2022, 27, 683.	3.8	11
32	Comprehensive Characterizations of Immune Receptor Repertoire in Tumors and Cancer Immunotherapy Studies. <i>Cancer Immunology Research</i> , 2022, 10, 788-799.	3.4	10
33	LigMate: A Multifeature Integration Algorithm for Ligand-Similarity-Based Virtual Screening. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 6044-6053.	5.4	8
34	New insights into autophagy using a multiple knockout strain. <i>Autophagy</i> , 2008, 4, 1073-1075.	9.1	7
35	Cloning and Characterization of the Acetylcholinesterase1 Gene of <i>Tetranychus cinnabarinus</i> (Acari:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 542 Td (T	1.8	5
36	A homozygous G insertion in MPLKIP leads to TTDN1 with the hypergonadotropic hypogonadism symptom. <i>BMC Medical Genetics</i> , 2018, 19, 214.	2.1	5

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37	Affinity maturation of an antibody for the UV-induced DNA lesions 6,4 pyrimidine-pyrimidones. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6409-6424.	3.6	5
38	Antibody engineering improves neutralization activity against K417 spike mutant SARS-CoV-2 variants. <i>Cell and Bioscience</i> , 2022, 12, 63.	4.8	4
39	Evaluation of Protein-Ligand Docking by Cyscore. <i>Methods in Molecular Biology</i> , 2018, 1762, 233-243.	0.9	3
40	Acetylcholinesterase target sites for developing environmentally friendly insecticides against <i>Tetranychus urticae</i> (Acari: Tetranychidae). <i>Experimental and Applied Acarology</i> , 2021, 84, 419-431.	1.6	3
41	The complete mitochondrial genome of the edible Basidiomycete mushroom <i>Phlebopus Portentosus</i> . <i>Mitochondrial DNA Part B: Resources</i> , 2017, 2, 696-697.	0.4	2
42	Computational Methods for scRNA-seq Analysis at Cell Level. , 2019, , .		0