

Huijong Han

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,552
citations

471477
17
h-index

580810
25
g-index

32
all docs

32
docs citations

32
times ranked

2643
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular basis for the herbicide resistance of Roundup Ready crops. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13010-13015.	7.1	300
2	X-ray screening identifies active site and allosteric inhibitors of SARS-CoV-2 main protease. Science, 2021, 372, 642-646.	12.6	240
3	Discovery of a Potential Allosteric Ligand Binding Site in CDK2. ACS Chemical Biology, 2011, 6, 492-501.	3.4	151
4	Structural Basis of Glyphosate Resistance Resulting from the Double Mutation Thr97 → Ile and Pro101 → Ser in 5-Enolpyruvylshikimate-3-phosphate Synthase from Escherichia coli. Journal of Biological Chemistry, 2009, 284, 9854-9860.	3.4	117
5	An Apicomplexan Actin-Binding Protein Serves as a Connector and Lipid Sensor to Coordinate Motility and Invasion. Cell Host and Microbe, 2016, 20, 731-743.	11.0	107
6	Structural Basis of Glyphosate Tolerance Resulting from Mutations of Pro101 in Escherichia coli 5-Enolpyruvylshikimate-3-phosphate Synthase. Journal of Biological Chemistry, 2007, 282, 32949-32955.	3.4	74
7	Development of Highly Potent and Selective Diaminothiazole Inhibitors of Cyclin-Dependent Kinases. Journal of Medicinal Chemistry, 2013, 56, 3768-3782.	6.4	73
8	Myelin-specific proteins: A structurally diverse group of membrane-interacting molecules. BioFactors, 2013, 39, 233-241.	5.4	70
9	The Fungal Product Terreic Acid Is a Covalent Inhibitor of the Bacterial Cell Wall Biosynthetic Enzyme UDP-N-acetylglucosamine 1-Carboxyvinyltransferase (MurA). Biochemistry, 2010, 49, 4276-4282.	2.5	50
10	Functional Consequence of Covalent Reaction of Phosphoenolpyruvate with UDP-N-acetylglucosamine 1-Carboxyvinyltransferase (MurA). Journal of Biological Chemistry, 2012, 287, 12657-12667.	3.4	50
11	Molecular structure and function of myelin protein PO in membrane stacking. Scientific Reports, 2019, 9, 642.	3.3	41
12	Biochemical and Structural Characterization of Pseudomonas aeruginosa Bfd and FPR: Ferredoxin NADP+ Reductase and Not Ferredoxin Is the Redox Partner of Heme Oxygenase under Iron-Starvation Conditions. Biochemistry, 2007, 46, 12198-12211.	2.5	38
13	Myelin 2',3'-Cyclic Nucleotide 3'-Phosphodiesterase: Active-Site Ligand Binding and Molecular Conformation. PLoS ONE, 2012, 7, e32336.	2.5	31
14	Periaxin and AHNK Nucleoprotein 2 Form Intertwined Homodimers through Domain Swapping. Journal of Biological Chemistry, 2014, 289, 14121-14131.	3.4	30
15	Differential Inhibition of Class I and Class II 5-Enolpyruvylshikimate-3-phosphate Synthases by Tetrahedral Reaction Intermediate Analogues. Biochemistry, 2007, 46, 13344-13351.	2.5	28
16	The XBI BioLab for life science experiments at the European XFEL. Journal of Applied Crystallography, 2021, 54, 7-21.	4.5	23
17	3D printed devices and infrastructure for liquid sample delivery at the European XFEL. Journal of Synchrotron Radiation, 2022, 29, 331-346.	2.4	22
18	Atomic view into Plasmodium actin polymerization, ATP hydrolysis, and fragmentation. PLoS Biology, 2019, 17, e3000315.	5.6	21

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19	Synthesis of Mono- and Dihydroxylated Furanoses, Pyranoses, and an Oxepanose for the Preparation of Natural Product Analogue Libraries. <i>Journal of Organic Chemistry</i> , 2005, 70, 5599-5605.	3.2	19
20	The Olfactomedin Domain from Gliomedin Is a β^2 -Propeller with Unique Structural Properties. <i>Journal of Biological Chemistry</i> , 2015, 290, 3612-3621.	3.4	19
21	X-ray Crystallographic and Solution State Nuclear Magnetic Resonance Spectroscopic Investigations of NADP ⁺ Binding to Ferredoxin NADP Reductase from <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 2008, 47, 8080-8093.	2.5	17
22	Crystallographic Analysis of the Reaction Cycle of 2',3'-Cyclic Nucleotide 3'-Phosphodiesterase, a Unique Member of the 2H Phosphodiesterase Family. <i>Journal of Molecular Biology</i> , 2013, 425, 4307-4322.	4.2	16
23	Hydrazones and Thiosemicarbazones Targeting Protein-Protein-Interactions of SARS-CoV-2 Papain-like Protease. <i>Frontiers in Chemistry</i> , 2022, 10, 832431.	3.6	5
24	Preliminary crystallographic analysis of the N-terminal PDZ-like domain of periaxin, an abundant peripheral nerve protein linked to human neuropathies. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 804-808.	0.7	2
25	Expression, purification, crystallization and preliminary X-ray crystallographic analysis of the extracellular olfactomedin domain of gliomedin. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1536-1539.	0.8	2
26	Membrane Interactions, Intrinsic Disorder, and Unknown Functions of Myelin Proteins. <i>Biophysical Journal</i> , 2013, 104, 548a.	0.5	0
27	Crystallographic anomalous diffraction data for the experimental phasing of two myelin proteins, gliomedin and periaxin. <i>Data in Brief</i> , 2017, 11, 552-556.	1.0	0
28	Flexibility of the Myelin Scaffolding Protein Periaxin. <i>Biophysical Journal</i> , 2018, 114, 407a.	0.5	0