

Hong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,290
citations

471509

17
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

2163
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structure of the Heterodimeric CLOCK:BMAL1 Transcriptional Activator Complex. <i>Science</i> , 2012, 337, 189-194.	12.6	270
2	Structure of C3PO and mechanism of human RISC activation. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 650-657.	8.2	124
3	Structural Characterization of a Human Cytosolic NMN/NaMN Adenylyltransferase and Implication in Human NAD Biosynthesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 13503-13511.	3.4	115
4	TLR4/MD-2 activation by a synthetic agonist with no similarity to LPS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E884-93.	7.1	115
5	Adjuvant effect of the novel TLR1/TLR2 agonist Diprovocim synergizes with anti-PD-L1 to eliminate melanoma in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8698-E8706.	7.1	77
6	Structure of Human Nicotinamide/Nicotinic Acid Mononucleotide Adenylyltransferase. <i>Journal of Biological Chemistry</i> , 2002, 277, 13148-13154.	3.4	73
7	Crystal Structures of <i>E. coli</i> Nicotinate Mononucleotide Adenylyltransferase and Its Complex with Deamido-NAD. <i>Structure</i> , 2002, 10, 69-79.	3.3	67
8	Expression, Localization, and Biochemical Characterization of Nicotinamide Mononucleotide Adenylyltransferase 2. <i>Journal of Biological Chemistry</i> , 2010, 285, 40387-40396.	3.4	64
9	Targeting NAD Biosynthesis in Bacterial Pathogens: Structure-Based Development of Inhibitors of Nicotinate Mononucleotide Adenylyltransferase NadD. <i>Chemistry and Biology</i> , 2009, 16, 849-861.	6.0	63
10	Structural Basis of TLR2/TLR1 Activation by the Synthetic Agonist Diprovocim. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2938-2949.	6.4	53
11	Crystal Structure of <i>Haemophilus influenzae</i> NadR Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 33291-33299.	3.4	46
12	Structure and Mechanism of a Eukaryotic FMN Adenylyltransferase. <i>Journal of Molecular Biology</i> , 2009, 389, 388-400.	4.2	45
13	Diprovocims: A New and Exceptionally Potent Class of Toll-like Receptor Agonists. <i>Journal of the American Chemical Society</i> , 2018, 140, 14440-14454.	13.7	35
14	Structural Analysis of <i>Pseudomonas</i> 1-Aminocyclopropane-1-carboxylate Deaminase Complexes: An Insight into the Mechanism of a Unique Pyridoxal-5-phosphate Dependent Cyclopropane Ring-Opening Reaction. <i>Biochemistry</i> , 2004, 43, 13328-13339.	2.5	34
15	Bifunctional NMN Adenylyltransferase/ADP-Ribose Pyrophosphatase: Structure and Function in Bacterial NAD Metabolism. <i>Structure</i> , 2008, 16, 196-209.	3.3	30
16	Discovery and Structure-Activity Relationships of the Neoseptins: A New Class of Toll-like Receptor-4 (TLR4) Agonists. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4812-4830.	6.4	30
17	Complexes of Bacterial Nicotinate Mononucleotide Adenylyltransferase with Inhibitors: Implication for Structure-Based Drug Design and Improvement. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5229-5239.	6.4	27
18	Structural Analysis of 1-Aminocyclopropane-1-Carboxylate Deaminase: Observation of an Aminyl Intermediate and Identification of Tyrosine 294 as the Active-Site Nucleophile. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3425-3429.	13.8	13

#	ARTICLE	IF	CITATIONS
19	Crystal Structure of the CLOCK Transactivation Domain Exon19 in Complex with a Repressor. Structure, 2017, 25, 1187-1194.e3.	3.3	9
20	Translin. The Enzymes, 2012, 32, 69-82.	1.7	0