

Yang Hai

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,465
citations

394421

19
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

2451
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone deacetylase 6 structure and molecular basis of catalysis and inhibition. <i>Nature Chemical Biology</i> , 2016, 12, 741-747.	8.0	351
2	ARID1A-mutated ovarian cancers depend on HDAC6 activity. <i>Nature Cell Biology</i> , 2017, 19, 962-973.	10.3	173
3	SAM-dependent enzyme-catalysed pericyclic reactions in natural product biosynthesis. <i>Nature</i> , 2017, 549, 502-506.	27.8	155
4	Histone deacetylase 10 structure and molecular function as a polyamine deacetylase. <i>Nature Communications</i> , 2017, 8, 15368.	12.8	139
5	Luminescent zinc salen complexes as single and two-photon fluorescence subcellular imaging probes. <i>Chemical Communications</i> , 2011, 47, 2435-2437.	4.1	106
6	Crystal structure of arginase from <i>Leishmania mexicana</i> and implications for the inhibition of polyamine biosynthesis in parasitic infections. <i>Archives of Biochemistry and Biophysics</i> , 2013, 535, 163-176.	3.0	70
7	Rational design of ZnSalen as a single and two photon activatable fluorophore in living cells. <i>Chemical Science</i> , 2012, 3, 3315.	7.4	57
8	Structural basis for stereoselective dehydration and hydrogen-bonding catalysis by the SAM-dependent pericyclase LepI. <i>Nature Chemistry</i> , 2019, 11, 812-820.	13.6	42
9	Genome Mining of Alkaloidal Terpenoids from a Hybrid Terpene and Nonribosomal Peptide Biosynthetic Pathway. <i>Journal of the American Chemical Society</i> , 2020, 142, 710-714.	13.7	40
10	Biosynthesis of Mycotoxin Fusaric Acid and Application of a PLP-Dependent Enzyme for Chemoenzymatic Synthesis of Substituted α -Pipelicolic Acids. <i>Journal of the American Chemical Society</i> , 2020, 142, 19668-19677.	13.7	32
11	Structural Basis for Aza-Glycine Stabilization of Collagen. <i>Journal of the American Chemical Society</i> , 2017, 139, 9427-9430.	13.7	29
12	A sensitive and quantitative autolysosome probe for detecting autophagic activity in live and prestained fixed cells. <i>Autophagy</i> , 2013, 9, 894-904.	9.1	28
13	Crystal Structure of an Arginase-like Protein from <i>Trypanosoma brucei</i> That Evolved without a Binuclear Manganese Cluster. <i>Biochemistry</i> , 2015, 54, 458-471.	2.5	26
14	Biosynthesis of Long-Chain α -Acyl Amide by a Truncated Polyketide Synthase-Nonribosomal Peptide Synthetase Hybrid Megasyntase in Fungi. <i>Journal of the American Chemical Society</i> , 2018, 140, 1271-1274.	13.7	26
15	Structure-guided function discovery of an NRPS-like glycine betaine reductase for choline biosynthesis in fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10348-10353.	7.1	26
16	Molecular Assembly Directed by Metal-Aromatic Interactions: Control of the Aggregation and Photophysical Properties of Zn-Salen Complexes by Aromatic Mercuration. <i>Chemistry - A European Journal</i> , 2012, 18, 4242-4249.	3.3	25
17	Structure and Function of Non-Native Metal Clusters in Human Arginase I. <i>Biochemistry</i> , 2012, 51, 8399-8409.	2.5	23
18	Enzyme-Catalyzed Intramolecular Enantioselective Hydroalkoxylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 3639-3642.	13.7	20

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19	Fungal siderophore biosynthesis catalysed by an iterative nonribosomal peptide synthetase. <i>Chemical Science</i> , 2020, 11, 11525-11530.	7.4	20
20	Complete Stereo-inversion of <i>l</i> -Tryptophan by a Fungal Single-Module Nonribosomal Peptide Synthetase. <i>Journal of the American Chemical Society</i> , 2019, 141, 16222-16226.	13.7	19
21	Crystal Structure of <i>Schistosoma mansoni</i> Arginase, a Potential Drug Target for the Treatment of Schistosomiasis. <i>Biochemistry</i> , 2014, 53, 4671-4684.	2.5	18
22	Biosynthesis of Amino Acid Derived β -Pyrone by an NRPS-NRPKS Hybrid Megasyntetase in Fungi. <i>Journal of Natural Products</i> , 2020, 83, 593-600.	3.0	16
23	Crystal structures of <i>Leishmania mexicana</i> arginase complexed with β , β -disubstituted boronic amino-acid inhibitors. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 300-306.	0.8	15
24	Formiminoglutamase from <i>Trypanosoma Cruzi</i> Is An Arginase-Like Manganese Metalloenzyme. <i>Biochemistry</i> , 2013, 52, 9294-9309.	2.5	8