

Yi Jin

List of Publications by Year in descending order

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37
papers

614
citations

687363

13
h-index

642732

23
g-index

40
all docs

40
docs citations

40
times ranked

828
citing authors

#	ARTICLE	IF	CITATIONS
1	Octahedral Trifluoromagnesate, an Anomalous Metal Fluoride Species, Stabilizes the Transition State in a Biological Motor. <i>ACS Catalysis</i> , 2021, 11, 2769-2773.	11.2	4
2	Molecular Basis of Sulfosugar Selectivity in Sulfoglycolysis. <i>ACS Central Science</i> , 2021, 7, 476-487.	11.3	16
3	Development of Non-Hydrolysable Oligosaccharide Activity-Based Inactivators for Endoglycanases: A Case Study on α -1,6 Mannanases. <i>Chemistry - A European Journal</i> , 2021, 27, 9519-9523.	3.3	2
4	The role of streptavidin and its variants in catalysis by biotinylated secondary amines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10424-10431.	2.8	2
5	Dynamic Structural Changes Accompany the Production of Dihydroxypropanesulfonate by Sulfolactaldehyde Reductase. <i>ACS Catalysis</i> , 2020, 10, 2826-2836.	11.2	20
6	An unexpected co-crystal structure of the calpain PEF(S) domain with Hfq reveals a potential chaperone function of Hfq. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 81-85.	0.8	0
7	High-resolution crystal structure of human asparagine synthetase enables analysis of inhibitor binding and selectivity. <i>Communications Biology</i> , 2019, 2, 345.	4.4	22
8	Crystal Structure and Biophysical Analysis of Furfural-Detoxifying Aldehyde Reductase from <i>Clostridium beijerinckii</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	1
9	A GAP-GTPase-GDP-Intermediate Crystal Structure Analyzed by DFT Shows GTP Hydrolysis Involves Serial Proton Transfers. <i>Chemistry - A European Journal</i> , 2019, 25, 8484-8488.	3.3	11
10	Structural basis for RNA translocation and NTP hydrolysis by the Zika virus NS3 helicase. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e104-e104.	0.1	0
11	Discovery and characterization of a sulfoquinovose mutarotase using kinetic analysis at equilibrium by exchange spectroscopy. <i>Biochemical Journal</i> , 2018, 475, 1371-1383.	3.7	18
12	Thermokinetic profile of NDM-1 and its inhibition by small carboxylic acids. <i>Bioscience Reports</i> , 2018, 38, .	2.4	10
13	Label-Free Visualization of Carbapenemase Activity in Living Bacteria. <i>Angewandte Chemie</i> , 2018, 130, 17366-17370.	2.0	0
14	Label-Free Visualization of Carbapenemase Activity in Living Bacteria. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17120-17124.	13.8	11
15	Structural and Biochemical Insights into the Function and Evolution of Sulfoquinovosidases. <i>ACS Central Science</i> , 2018, 4, 1266-1273.	11.3	31
16	van der Waals Contact between Nucleophile and Transferring Phosphorus Is Insufficient To Achieve Enzyme Transition-State Architecture. <i>ACS Catalysis</i> , 2018, 8, 8140-8153.	11.2	12
17	Reactivity and Selectivity of Iminium Organocatalysis Improved by a Protein Host. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12478-12482.	13.8	38
18	Reactivity and Selectivity of Iminium Organocatalysis Improved by a Protein Host. <i>Angewandte Chemie</i> , 2018, 130, 12658-12662.	2.0	14

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19	Metallfluoride als Analoga für Studien an Phosphoryltransferenzymen. <i>Angewandte Chemie</i> , 2017, 129, 4172-4192.	2.0	7
20	Assessing the Influence of Mutation on GTPase Transition States by Using X-ray Crystallography, ¹⁹ F-NMR, and DFT Approaches. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9732-9735.	13.8	9
21	Assessing the Influence of Mutation on GTPase Transition States by Using X-ray Crystallography, ¹⁹ F-NMR, and DFT Approaches. <i>Angewandte Chemie</i> , 2017, 129, 9864-9867.	2.0	1
22	Metal Fluorides: Tools for Structural and Computational Analysis of Phosphoryl Transfer Enzymes. <i>Topics in Current Chemistry</i> , 2017, 375, 36.	5.8	29
23	An atypical interaction explains the high-affinity of a non-hydrolyzable S-linked 1,6- α -mannanase inhibitor. <i>Chemical Communications</i> , 2017, 53, 9238-9241.	4.1	6
24	Metal Fluorides as Analogues for Studies on Phosphoryl Transfer Enzymes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4110-4128.	13.8	45
25	Activity-based probes for functional interrogation of retaining β -glucuronidases. <i>Nature Chemical Biology</i> , 2017, 13, 867-873.	8.0	76
26	Metal Fluorides: Tools for Structural and Computational Analysis of Phosphoryl Transfer Enzymes. <i>Topics in Current Chemistry Collections</i> , 2017, , 35-65.	0.5	0
27	¹⁹ F-NMR and DFT Analysis Reveal Structural and Electronic Transition State Features for RhoA-Catalyzed GTP Hydrolysis. <i>Angewandte Chemie</i> , 2016, 128, 3379-3383.	2.0	8
28	¹⁹ F-NMR and DFT Analysis Reveal Structural and Electronic Transition State Features for RhoA-Catalyzed GTP Hydrolysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3318-3322.	13.8	26
29	A β -Mannanase with a Lysozyme-like Fold and a Novel Molecular Catalytic Mechanism. <i>ACS Central Science</i> , 2016, 2, 896-903.	11.3	39
30	Chemoenzymatic synthesis of 6-phospho-cyclophellitol as a novel probe of 6-phospho- β -glucosidases. <i>FEBS Letters</i> , 2016, 590, 461-468.	2.8	8
31	YihQ is a sulfoquinovosidase that cleaves sulfoquinovosyl diacylglyceride sulfolipids. <i>Nature Chemical Biology</i> , 2016, 12, 215-217.	8.0	60
32	α -Fluorophosphonates reveal how a phosphomutase conserves transition state conformation over hexose recognition in its two-step reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12384-12389.	7.1	42
33	Charge-Balanced Metal Fluoride Complexes for Protein Kinase A with Adenosine Diphosphate and Substrate Peptide SP20. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12242-12245.	13.8	26
34	Reflections on biocatalysis involving phosphorus. <i>Biochemistry (Moscow)</i> , 2012, 77, 1083-1096.	1.5	7
35	Benzoylmethyl 4-chlorobenzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o507-o507.	0.2	4
36	Benzoylmethyl pyridine-4-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1104-o1104.	0.2	0

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37	(S)-N-(1-Benzyl-2-hydroxyethyl)benzamide. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o3912-o3913.	0.2	0