Yi Jin

List of Publications by Year
in descending order

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	Activity-based probes for functional interrogation of retaining Î²-glucuronidases. Nature Chemical Biology, 2017, 13, 867-873.	8.0	76
2	YihQ is a sulfoquinovosidase that cleaves sulfoquinovosyl diacylglyceride sulfolipids. Nature Chemical Biology, 2016, 12, 215-217.	8.0	60
3	Metal Fluorides as Analogues for Studies on Phosphoryl Transfer Enzymes. Angewandte Chemie - International Edition, 2017, 56, 4110-4128.	13.8	45
4	Î±-Fluorophosphonates reveal how a phosphomutase conserves transition state conformation over hexose recognition in its two-step reaction. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12384-12389.	7.1	42
5	A Î²-Mannanase with a Lysozyme-like Fold and a Novel Molecular Catalytic Mechanism. ACS Central Science, 2016, 2, 896-903.	11.3	39
6	Reactivity and Selectivity of Iminium Organocatalysis Improved by a Protein Host. Angewandte Chemie - International Edition, 2018, 57, 12478-12482.	13.8	38
7	Structural and Biochemical Insights into the Function and Evolution of Sulfoquinovosidases. ACS Central Science, 2018, 4, 1266-1273.	11.3	31
8	Metal Fluorides: Tools for Structural and Computational Analysis of Phosphoryl Transfer Enzymes. Topics in Current Chemistry, 2017, 375, 36.	5.8	29
9	Chargeâ€Balanced Metal Fluoride Complexes for Protein Kinaseâ€...A with Adenosine Diphosphate and Substrate Peptide SP20. Angewandte Chemie - International Edition, 2012, 51, 12242-12245.	13.8	26
10	¹⁹Fâ€...NMR and DFT Analysis Reveal Structural and Electronic Transition State Features for RhoAâ€Catalyzed GTP Hydrolysis. Angewandte Chemie - International Edition, 2016, 55, 3318-3322.	13.8	26
11	High-resolution crystal structure of human asparagine synthetase enables analysis of inhibitor binding and selectivity. Communications Biology, 2019, 2, 345.	4.4	22
12	Dynamic Structural Changes Accompany the Production of Dihydroxypropanesulfonate by Sulfolactaldehyde Reductase. ACS Catalysis, 2020, 10, 2826-2836.	11.2	20
13	Discovery and characterization of a sulfoquinovose mutarotase using kinetic analysis at equilibrium by exchange spectroscopy. Biochemical Journal, 2018, 475, 1371-1383.	3.7	18
14	Molecular Basis of Sulfosugar Selectivity in Sulfoglycolysis. ACS Central Science, 2021, 7, 476-487.	11.3	16
15	Reactivity and Selectivity of Iminium Organocatalysis Improved by a Protein Host. Angewandte Chemie, 2018, 130, 12658-12662.	2.0	14
16	van der Waals Contact between Nucleophile and Transferring Phosphorus Is Insufficient To Achieve Enzyme Transition-State Architecture. ACS Catalysis, 2018, 8, 8140-8153.	11.2	12
17	Labelâ€Free Visualization of Carbapenemase Activity in Living Bacteria. Angewandte Chemie - International Edition, 2018, 57, 17120-17124.	13.8	11
18	A GAPâ€GTPaseâ€GDPâ€P_i Intermediate Crystal Structure Analyzed by DFT Shows GTP Hydrolysis Involves Serial Proton Transfers. Chemistry - A European Journal, 2019, 25, 8484-8488.	3.3	11

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19	Thermokinetic profile of NDM-1 and its inhibition by small carboxylic acids. Bioscience Reports, 2018, 38, .	2.4	10
20	Assessing the Influence of Mutation on GTPase Transition States by Using Xâ€ray Crystallography, ¹⁹Fâ€...NMR, and DFT Approaches. Angewandte Chemie - International Edition, 2017, 56, 9732-9735.	13.8	9
21	¹⁹Fâ€...NMR and DFT Analysis Reveal Structural and Electronic Transition State Features for RhoAâ€Catalyzed GTP Hydrolysis. Angewandte Chemie, 2016, 128, 3379-3383.	2.0	8
22	Chemoenzymatic synthesis of 6â€phosphoâ€cyclophellitol as a novel probe of 6â€phosphoâ€²â€glucosidases. FEBS Letters, 2016, 590, 461-468.	2.8	8
23	Reflections on biocatalysis involving phosphorus. Biochemistry (Moscow), 2012, 77, 1083-1096.	1.5	7
24	Metallfluoride als Analoga fÃ¼r Studien an Phosphoryltransferenzymen. Angewandte Chemie, 2017, 129, 4172-4192.	2.0	7
25	An atypical interaction explains the high-affinity of a non-hydrolyzable S-linked 1,6-α-mannanase inhibitor. Chemical Communications, 2017, 53, 9238-9241.	4.1	6
26	Octahedral Trifluoromagnesate, an Anomalous Metal Fluoride Species, Stabilizes the Transition State in a Biological Motor. ACS Catalysis, 2021, 11, 2769-2773.	11.2	4
27	Benzoylmethyl 4-chlorobenzoate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o507-o507.	0.2	4
28	Development of Nonâ€Hydrolysable Oligosaccharide Activityâ€Based Inactivators for Endoglycanases: A Case Study on α-1,6 Mannanases. Chemistry - A European Journal, 2021, 27, 9519-9523.	3.3	2
29	The role of streptavidin and its variants in catalysis by biotinylated secondary amines. Organic and Biomolecular Chemistry, 2021, 19, 10424-10431.	2.8	2
30	Assessing the Influence of Mutation on GTPase Transition States by Using Xâ€ray Crystallography, 19 Fâ€...NMR, and DFT Approaches. Angewandte Chemie, 2017, 129, 9864-9867.	2.0	1
31	Crystal Structure and Biophysical Analysis of Furfural-Detoxifying Aldehyde Reductase from Clostridium beijerinckii. Applied and Environmental Microbiology, 2019, 85, .	3.1	1
32	(S)-N-(1-Benzyl-2-hydroxyethyl)benzamide. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o3912-o3913.	0.2	0
33	Labelâ€Free Visualization of Carbapenemase Activity in Living Bacteria. Angewandte Chemie, 2018, 130, 17366-17370.	2.0	0
34	Benzoylmethyl pyridine-4-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1104-o1104.	0.2	0
35	Metal Fluorides: Tools for Structural and Computational Analysis of Phosphoryl Transfer Enzymes. Topics in Current Chemistry Collections, 2017, , 35-65.	0.5	0
36	Structural basis for RNA translocation and NTP hydrolysis by the Zika virus NS3 helicase. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e104-e104.	0.1	0

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37	An unexpected co-crystal structure of the calpain PEF(S) domain with Hfq reveals a potential chaperone function of Hfq. Acta Crystallographica Section F, Structural Biology Communications, 2020, 76, 81-85.	0.8	0