Zachary Armstrong

List of Publications by Year
in descending order

22 papers	508 citations	687363 13 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	780 citing authors

#	Article	IF	Citations
1	Synthesis of broad-specificity activity-based probes for exo-Î²-mannosidases. Organic and Biomolecular Chemistry, 2022, 20, 877-886.	2.8	4
2	The structure ofPhocaeicola vulgatussialic acid acetylesterase. Acta Crystallographica Section D: Structural Biology, 2022, 78, 647-657.	2.3	2
3	Activity-Based Protein Profiling of Retaining Î±-Amylases in Complex Biological Samples. Journal of the American Chemical Society, 2021, 143, 2423-2432.	13.7	17
4	Structure and function of Bs164 Î²-mannosidase from Bacteroides salyersiae the founding member of glycoside hydrolase family GH164. Journal of Biological Chemistry, 2020, 295, 4316-4326.	3.4	6
5	Thioglycoligase derived from fungal GH3 Î²-xylosidase is a multi-glycoligase with broad acceptor tolerance. Nature Communications, 2020, 11, 4864.	12.8	21
6	TreeSAPP: the Tree-based Sensitive and Accurate Phylogenetic Profiler. Bioinformatics, 2020, 36, 4706-4713.	4.1	8
7	High-Throughput Generation of Product Profiles for Arabinoxylan-Active Enzymes from Metagenomes. Applied and Environmental Microbiology, 2020, 86, .	3.1	3
8	Manno-epi-cyclophellitols Enable Activity-Based Protein Profiling of Human Î±-Mannosidases and Discovery of New Golgi Mannosidase II Inhibitors. Journal of the American Chemical Society, 2020, 142, 13021-13029.	13.7	24
9	An overview of activity-based probes for glycosidases. Current Opinion in Chemical Biology, 2019, 53, 25-36.	6.1	76
10	High-Throughput Recovery and Characterization of Metagenome-Derived Glycoside Hydrolase-Containing Clones as a Resource for Biocatalyst Development. MSystems, 2019, 4, .	3.8	11
11	Development and Application of a High-Throughput Functional Metagenomic Screen for Glycoside Phosphorylases. Cell Chemical Biology, 2019, 26, 1001-1012.e5.	5.2	23
12	Systematic Screening of Synthetic Gene-Encoded Enzymes for Synthesis of Modified Glycosides. ACS Catalysis, 2019, 9, 3219-3227.	11.2	17
13	Metagenomics reveals functional synergy and novel polysaccharide utilization loci in the Castor canadensis fecal microbiome. ISME Journal, 2018, 12, 2757-2769.	9.8	36
14	Discovery of New Glycosidases From Metagenomic Libraries. Methods in Enzymology, 2017, 597, 3-23.	1.0	9
15	Enzymatic fine-tuning for 2-(6-hydroxynaphthyl) Î²-d-xylopyranoside synthesis catalyzed by the recombinant Î²-xylosidase BxTW1 from Talaromyces amestolkiae. Microbial Cell Factories, 2016, 15, 171.	4.0	13
16	Synthesis and evaluation of a series of 6-chloro-4-methylumbelliferyl glycosides as fluorogenic reagents for screening metagenomic libraries for glycosidase activity. Carbohydrate Research, 2016, 421, 33-39.	2.3	20
17	Biocatalysts for biomass deconstruction from environmental genomics. Current Opinion in Chemical Biology, 2015, 29, 18-25.	6.1	28
18	Biomining active cellulases from a mining bioremediation system. Journal of Biotechnology, 2013, 167, 462-471.	3.8	35

#	Article	IF	Citations
19	Synthesis of Glycans and Glycopolymers Through Engineered Enzymes. Biopolymers, 2013, 99, 666-674.	2.4	39
20	Distal Heme Pocket Residues of B-type Dye-decolorizing Peroxidase. Journal of Biological Chemistry, 2012, 287, 10623-10630.	3.4	90
21	Enzymatic Thioxyloside Synthesis: Characterization of Thioglycoligase Variants Identified from A Siteâ€Saturation Mutagenesis Library of Bacillus Circulans Xylanase. ChemBioChem, 2010, 11, 533-538.	2.6	19
22	Azido Groups Hamper Glycan Acceptance by Carbohydrate Processing Enzymes. ACS Central Science, 0, , .	11.3	7