

Matthew G Alteen

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

237
citations

933264

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h-index

1199470

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g-index

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docs citations

13
times ranked

359
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct One-Step Fluorescent Labeling of <i>O</i> -GlcNAc-Modified Proteins in Live Cells Using Metabolic Intermediates. <i>Journal of the American Chemical Society</i> , 2018, 140, 15300-15308.	6.6	39
2	Catalytic Promiscuity of <i>O</i> -GlcNAc Transferase Enables Unexpected Metabolic Engineering of Cytoplasmic Proteins with 2-Azido-2-deoxy-glucose. <i>ACS Chemical Biology</i> , 2017, 12, 206-213.	1.6	34
3	Monitoring and modulating O-GlcNAcylation: assays and inhibitors of O-GlcNAc processing enzymes. <i>Current Opinion in Structural Biology</i> , 2021, 68, 157-165.	2.6	30
4	Precision Mapping of O-Linked <i>N</i> -Acetylglucosamine Sites in Proteins Using Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2020, 142, 11569-11577.	6.6	28
5	Cryo-EM structure provides insights into the dimer arrangement of the O-linked $\hat{1}^2$ -N-acetylglucosamine transferase OGT. <i>Nature Communications</i> , 2021, 12, 6508.	5.8	24
6	A Direct Fluorescent Activity Assay for Glycosyltransferases Enables Convenient High-Throughput Screening: Application to <i>O</i> -GlcNAc Transferase. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9601-9609.	7.2	19
7	Mechanism of Human Nucleocytoplasmic Hexosaminidase D. <i>Biochemistry</i> , 2016, 55, 2735-2747.	1.2	15
8	Characterization of <i>Stackebrandtia nassauensis</i> GH 20 Beta-Hexosaminidase, a Versatile Biocatalyst for Chitobiose Degradation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1243.	1.8	14
9	The Details of Glycolipid Glycan Hydrolysis by the Structural Analysis of a Family 123 Glycoside Hydrolase from <i>Clostridium perfringens</i> . <i>Journal of Molecular Biology</i> , 2016, 428, 3253-3265.	2.0	11
10	Exploring the Potential of $\hat{1}^2$ -Catenin O-GlcNAcylation by Using Fluorescence-Based Engineering and Imaging. <i>Molecules</i> , 2020, 25, 4501.	1.7	11
11	A Direct Fluorescent Activity Assay for Glycosyltransferases Enables Convenient High-Throughput Screening: Application to <i>O</i> -GlcNAc Transferase. <i>Angewandte Chemie</i> , 2020, 132, 9688-9696.	1.6	8
12	Discovery of a New Drug-like Series of OGT Inhibitors by Virtual Screening. <i>Molecules</i> , 2022, 27, 1996.	1.7	3