

Melanie A Higgins

List of Publications by Year in descending order

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738
citing authors

#	ARTICLE	IF	CITATIONS
1	N-Glycan Degradation Pathways in Gut- and Soil-Dwelling Actinobacteria Share Common Core Genes. ACS Chemical Biology, 2021, 16, 701-711.	3.4	6
2	Generating a fucose permease deletion mutant in Bifidobacterium longum subspecies infantis ATCC 15697. Anaerobe, 2021, 68, 102320.	2.1	3
3	Comparative Genomics Identified a Genetic Locus in Plant-Associated <i>Pseudomonas</i> spp. That Is Necessary for Induced Systemic Susceptibility. MBio, 2020, 11, .	4.1	9
4	Convergent biosynthetic transformations to a bacterial specialized metabolite. Nature Chemical Biology, 2019, 15, 1043-1048.	8.0	10
5	An Asymmetric Reductase That Intercepts Acyclic Imino Acids Produced <i>in Situ</i> by a Partner Oxidase. Journal of the American Chemical Society, 2019, 141, 12258-12267.	13.7	5
6	A heme-dependent enzyme forms the nitrogen–nitrogen bond in piperazate. Nature Chemical Biology, 2017, 13, 836-838.	8.0	108
7	Structural characterization of the PTS IIA and IIB proteins associated with pneumococcal fucose utilization. Proteins: Structure, Function and Bioinformatics, 2017, 85, 963-968.	2.6	7
8	Toward Efficient Enzymes for the Generation of Universal Blood through Structure-Guided Directed Evolution. Journal of the American Chemical Society, 2015, 137, 5695-5705.	13.7	53
9	Unravelling the Multiple Functions of the Architecturally Intricate Streptococcus pneumoniae Î²-galactosidase, BgaA. PLoS Pathogens, 2014, 10, e1004364.	4.7	49
10	Structural and Functional Analysis of Fucose-Processing Enzymes from Streptococcus pneumoniae. Journal of Molecular Biology, 2014, 426, 1469-1482.	4.2	17
11	The Overall Architecture and Receptor Binding of Pneumococcal Carbohydrate-Antigen-Hydrolyzing Enzymes. Journal of Molecular Biology, 2011, 411, 1017-1036.	4.2	24
12	Structure of the fucose mutarotase from <i>Streptococcus pneumoniae</i> in complex with L-fucose. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1524-1530.	0.7	8
13	Differential Recognition and Hydrolysis of Host Carbohydrate Antigens by Streptococcus pneumoniae Family 98 Glycoside Hydrolases. Journal of Biological Chemistry, 2009, 284, 26161-26173.	3.4	41
14	Blood Group Antigen Recognition by a Solute-Binding Protein from a Serotype 3 Strain of Streptococcus pneumoniae. Journal of Molecular Biology, 2009, 388, 299-309.	4.2	22