

Melanie A Higgins

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

365
citations

1163117

8
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

738
citing authors

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