

Fernanda Fm Mendoza

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

151
citations

1163117

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12
docs citations

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times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	A Native Ternary Complex Trapped in a Crystal Reveals the Catalytic Mechanism of a Retaining Glycosyltransferase. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9898-9902.	13.8	35
2	Discovery of processive catalysis by an exo-hydrolase with a pocket-shaped active site. <i>Nature Communications</i> , 2019, 10, 2222.	12.8	20
3	QM/MM Studies Reveal How Substrate-Substrate and Enzyme-Substrate Interactions Modulate Retaining Glycosyltransferases Catalysis and Mechanism. <i>Advances in Protein Chemistry and Structural Biology</i> , 2015, 100, 225-254.	2.3	14
4	A QM/MM approach on the structural and stereoelectronic factors governing glycosylation by GTF-SI from <i>Streptococcus mutans</i> . <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2438-2447.	2.8	14
5	1,4-N-Acetylhexosaminyltransferase EXTL2: The Missing Link for Understanding Glycosidic Bond Biosynthesis with Retention of Configuration. <i>ACS Catalysis</i> , 2016, 6, 2577-2589.	11.2	13
6	Computational insights into active site shaping for substrate specificity and reaction regioselectivity in the EXTL2 retaining glycosyltransferase. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9095-9107.	2.8	13
7	Unveiling the Dynamical and Structural Features That Determine the Orientation of the Acceptor Substrate in the Landomycin Glycosyltransferase LanGT2 and Its Variant with C-Glycosylation Activity. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 933-943.	5.4	9
8	Computational modeling of carbohydrate processing enzymes reactions. <i>Current Opinion in Chemical Biology</i> , 2021, 61, 203-213.	6.1	9
9	The role of conserved arginine in the GH70 family: a computational study of the structural features and their implications on the catalytic mechanism of GTF-SI from <i>Streptococcus mutans</i> . <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6269-6276.	2.8	7
10	Modulation of glucan-enzyme interactions by domain V in GTF-SI from <i>Streptococcus mutans</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 74-80.	2.6	7
11	Catalytic Role of Gln202 in the Carbonylation Reaction Mechanism of Yeast AHAS: A QM/MM Study. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 915-922.	5.4	6
12	The inverting mechanism of the metal ion-independent LanGT2: the first step to understand the glycosylation of natural product antibiotic precursors through QM/MM simulations. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5888-5898.	2.8	4