David Teze

List of Publications by Year
in descending order

28	923	471509 17	501196 28
papers	citations	h-index	g-index

34	34	34	1300
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A healthy Bifidobacterium dentium caramel cocktail. Journal of Biological Chemistry, 2022, 298, 101452.	3.4	4
2	Characterization of five marine family 29 glycoside hydrolases reveals an Î±-L-fucosidase targeting specifically Fuc(Î±1,4)GlcNAc. Glycobiology, 2022, 32, 529-539.	2.5	7
3	Computer Simulation to Rationalize â€œRationalâ€•Engineering of Glycoside Hydrolases and Glycosyltransferases. Journal of Physical Chemistry B, 2022, 126, 802-812.	2.6	15
4	Mechanistic Basis for Understanding the Dual Activities of the Bifunctional Azotobacter vinelandii Mannuronan C-5-Epimerase and Alginate Lyase AlgE7. Applied and Environmental Microbiology, 2022, 88, AEM0183621.	3.1	6
5	Family 1 Glycosyltransferase UGT706F8 from Zea mays Selectively Catalyzes the Synthesis of Silibinin 7-O-Î²-<scp>d</scp>-Glucoside. ACS Sustainable Chemistry and Engineering, 2022, 10, 5078-5083.	6.7	9
6	Natural product C-glycosyltransferases â€“ a scarcely characterised enzymatic activity with biotechnological potential. Natural Product Reports, 2021, 38, 432-443.	10.3	39
7	Structural, biosynthetic and serological cross-reactive elucidation of capsular polysaccharides from Streptococcus pneumoniae serogroup 28. Carbohydrate Polymers, 2021, 254, 117323.	10.2	2
8	O-/N-/S-Specificity in Glycosyltransferase Catalysis: From Mechanistic Understanding to Engineering. ACS Catalysis, 2021, 11, 1810-1815.	11.2	42
9	Rational Enzyme Design without Structural Knowledge: A Sequenceâ€Based Approach for Efficient Generation of Transglycosylases. Chemistry - A European Journal, 2021, 27, 10323-10334.	3.3	29
10	Exploring the in Vitro Operating Window of Glycosyltransferase PtUGT1 from Polygonum tinctorium for a Biocatalytic Route to Indigo Dye. ACS Sustainable Chemistry and Engineering, 2021, 9, 8497-8506.	6.7	7
11	A Single Point Mutation Converts GH84 O-GlcNAc Hydrolases into Phosphorylases: Experimental and Theoretical Evidence. Journal of the American Chemical Society, 2020, 142, 2120-2124.	13.7	25
12	A Multifunctional Polysaccharide Utilization Gene Cluster in Colwellia echini Encodes Enzymes for the Complete Degradation of Îº-Carrageenan, Î¹-Carrageenan, and Hybrid Î²/Îº-Carrageenan. MSphere, 2020, 5, .	2.9	18
13	The Catalytic Acidâ€“Base in GH109 Resides in a Conserved GGHGG Loop and Allows for Comparable Î±-Retaining and Î²-Inverting Activity in an N-Acetylgalactosaminidase from Akkermansia muciniphila. ACS Catalysis, 2020, 10, 3809-3819.	11.2	15
14	Identification and Characterization of a Î²-N-Acetylhexosaminidase with a Biosynthetic Activity from the Marine Bacterium Paraglaciecola hydrolytica S66T. International Journal of Molecular Sciences, 2020, 21, 417.	4.1	12
15	Structural and functional aspects of mannuronic acidâ€“specific PL6 alginate lyase from the human gut microbe Bacteroides cellulosilyticus. Journal of Biological Chemistry, 2019, 294, 17915-17930.	3.4	40
16	Synthesis of Human Milk Oligosaccharides: Protein Engineering Strategies for Improved Enzymatic Transglycosylation. Molecules, 2019, 24, 2033.	3.8	83
17	Ten years of CAZypedia: a living encyclopedia of carbohydrate-active enzymes. Glycobiology, 2018, 28, 3-8.	2.5	175
18	Experimental and computational evidence of halogen bonds involving astatine. Nature Chemistry, 2018, 10, 428-434.	13.6	63

#	Article	IF	Citations
19	Targeted radionuclide therapy with astatine-211: Oxidative dehalogenation of astatobenzoate conjugates. Scientific Reports, 2017, 7, 2579.	3.3	45
20	The Heaviest Possible Ternary Trihalogen Species, IAtBr^{â˜’}, Evidenced in Aqueous Solution: An Experimental Performance Driven by Computations. Angewandte Chemie, 2016, 128, 15595-15598.	2.0	8
21	211 At-labeled agents for alpha-immunotherapy: On the inÂvivo stability of astatine-agent bonds. European Journal of Medicinal Chemistry, 2016, 116, 156-164.	5.5	28
22	Advances on the Determination of the Astatine Pourbaix Diagram: Predomination of AtO(OH)₂^{â˜’} over At^{â˜’} in Basic Conditions. Chemistry - A European Journal, 2016, 22, 2964-2971.	3.3	46
23	The Heaviest Possible Ternary Trihalogen Species, IAtBr^{â˜’}, Evidenced in Aqueous Solution: An Experimental Performance Driven by Computations. Angewandte Chemie - International Edition, 2016, 55, 15369-15372.	13.8	15
24	Semi-rational approach for converting a GH36 Î±-glycosidase into an Î±-transglycosidase. Glycobiology, 2015, 25, 420-427.	2.5	27
25	Polymeric Iminosugars Improve the Activity of Carbohydrate-Processing Enzymes. Bioconjugate Chemistry, 2015, 26, 766-772.	3.6	40
26	Semi-rational approach for converting a GH1 Â-glycosidase into a Â-transglycosidase. Protein Engineering, Design and Selection, 2014, 27, 13-19.	2.1	65
27	Alkoxyamino glycoside acceptors for the regioselective synthesis of oligosaccharides using glycosynthases and transglycosidases. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 448-451.	2.2	20
28	Conserved Water Molecules in Family 1 Glycosidases: A DXMS and Molecular Dynamics Study. Biochemistry, 2013, 52, 5900-5910.	2.5	34