

# Michel Dion

## List of Publications by Year in descending order

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16  
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623734

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docs citations

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times ranked

529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Converting a $\beta$ -Glycosidase into a $\beta$ -Transglycosidase by Directed Evolution. <i>Journal of Biological Chemistry</i> , 2005, 280, 37088-37097.	3.4	89
2	Directed Evolution of the $\alpha$ -L-Fucosidase from <i>Thermotoga maritima</i> into an $\alpha$ -L-Transfucosidase. <i>Biochemistry</i> , 2007, 46, 1022-1033.	2.5	88
3	Semi-rational approach for converting a GH1 $\alpha$ -glycosidase into a $\alpha$ -transglycosidase. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 13-19.	2.1	65
4	Cloning and expression of a beta-glycosidase gene from <i>Thermus thermophilus</i> . Sequence and biochemical characterization of the encoded enzyme. <i>Glycoconjugate Journal</i> , 1999, 16, 27-37.	2.7	59
5	<i>Thermus thermophilus</i> Glycosynthases for the Efficient Synthesis of Galactosyl and Glucosyl $\beta$ -(1 $\rightarrow$ 3)-Glycosides. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1977-1983.	2.4	41
6	Digital screening methodology for the directed evolution of transglycosidases. <i>Protein Engineering, Design and Selection</i> , 2008, 22, 37-44.	2.1	35
7	Conserved Water Molecules in Family 1 Glycosidases: A DXMS and Molecular Dynamics Study. <i>Biochemistry</i> , 2013, 52, 5900-5910.	2.5	34
8	Transferase Activity of a $\beta$ -Glycosidase from <i>Thermus thermophilus</i> : Specificities and Limits – Application to the Synthesis of $\beta$ -[1 $\rightarrow$ 3]-Disaccharides. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 757-763.	2.4	27
9	Kinetic study of a thermostable beta-glycosidase of <i>Thermus thermophilus</i> . Effects of temperature and glucose on hydrolysis and transglycosylation reactions. <i>Glycoconjugate Journal</i> , 2000, 17, 377-383.	2.7	20
10	Alkoxyamino glycoside acceptors for the regioselective synthesis of oligosaccharides using glycosynthases and transglycosidases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 448-451.	2.2	20
11	Enhancing the chemoenzymatic synthesis of arabinosylated xylo-oligosaccharides by GH51 $\alpha$ -L-arabinofuranosidase. <i>Carbohydrate Research</i> , 2015, 401, 64-72.	2.3	19
12	Engineering of glucoside acceptors for the regioselective synthesis of $\beta$ -(1 $\rightarrow$ 3)-disaccharides with glycosynthases. <i>Carbohydrate Research</i> , 2008, 343, 2939-2946.	2.3	17
13	An expeditious and efficient synthesis of $\beta$ -d-galactopyranosyl-(1 $\rightarrow$ 3)-d-N-acetylglucosamine (lacto-N-biose) using a glycosynthase from <i>Thermus thermophilus</i> as a catalyst. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1243-1246.	1.8	16
14	De novo design of a trans- $\alpha$ -N-acetylglucosaminidase activity from a GH1 $\alpha$ -glycosidase by mechanism engineering. <i>Glycobiology</i> , 2015, 25, 394-402.	2.5	15
15	$\alpha$ -Galactosyl fluoride in transfer reactions mediated by the green coffee beans $\alpha$ -galactosidase in ice. <i>Carbohydrate Research</i> , 2002, 337, 221-228.	2.3	13
16	In vitro and in vivo activity of new strains of <i>Bacillus subtilis</i> against ESBL-producing <i>Escherichia coli</i> : an experimental study. <i>Journal of Applied Microbiology</i> , 2022, 132, 2270-2279.	3.1	4