

# Michel Dion

## List of Publications by Year in descending order

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16  
papers

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citations

623734

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940533

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529  
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#	ARTICLE	IF	CITATIONS
1	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
2	De novo design of a trans- $\hat{\alpha}$ -N-acetylglucosaminidase activity from a GH1 $\hat{\alpha}$ -glycosidase by mechanism engineering. <i>Glycobiology</i> , 2015, 25, 394-402.	2.5	15
3	Enhancing the chemoenzymatic synthesis of arabinosylated xylo-oligosaccharides by GH51 $\hat{\alpha}$ -L-arabinofuranosidase. <i>Carbohydrate Research</i> , 2015, 401, 64-72.	2.3	19
4	Semi-rational approach for converting a GH1 $\hat{\alpha}$ -glycosidase into a $\hat{\alpha}$ -transglycosidase. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 13-19.	2.1	65
5	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
6	Conserved Water Molecules in Family 1 Glycosidases: A DXMS and Molecular Dynamics Study. <i>Biochemistry</i> , 2013, 52, 5900-5910.	2.5	34
7	An expeditious and efficient synthesis of $\hat{\beta}$ -D-galactopyranosyl-(1 $\hat{\alpha}$ '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
8	Engineering of glucoside acceptors for the regioselective synthesis of $\hat{\beta}$ -(1 $\hat{\alpha}$ '3)-disaccharides with glycosynthases. <i>Carbohydrate Research</i> , 2008, 343, 2939-2946.	2.3	17
9	Digital screening methodology for the directed evolution of transglycosidases. <i>Protein Engineering, Design and Selection</i> , 2008, 22, 37-44.	2.1	35
10	Directed Evolution of the $\hat{\alpha}$ -L-Fucosidase from <i>Thermotoga maritima</i> into an $\hat{\alpha}$ -L-Transfucosidase. <i>Biochemistry</i> , 2007, 46, 1022-1033.	2.5	88
11	<i>Thermus thermophilus</i> Glycosynthases for the Efficient Synthesis of Galactosyl and Glucosyl $\hat{\beta}$ -(1 $\hat{\alpha}$ '3)-Glycosides. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1977-1983.	2.4	41
12	Converting a $\hat{\beta}$ -Glycosidase into a $\hat{\beta}$ -Transglycosidase by Directed Evolution. <i>Journal of Biological Chemistry</i> , 2005, 280, 37088-37097.	3.4	89
13	$\hat{\alpha}$ -Galactosyl fluoride in transfer reactions mediated by the green coffee beans $\hat{\alpha}$ -galactosidase in ice. <i>Carbohydrate Research</i> , 2002, 337, 221-228.	2.3	13
14	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
15	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
16	Transferase Activity of a $\hat{\beta}$ -Glycosidase from <i>Thermus thermophilus</i> : Specificities and Limits $\hat{\alpha}$ Application to the Synthesis of $\hat{\beta}$ -[1 $\hat{\alpha}$ '3]-Disaccharides. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 757-763.	2.4	27