

# Charles Tellier

## List of Publications by Year in descending order

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29  
papers

957  
citations

430874

18  
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477307

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all docs

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docs citations

29  
times ranked

1050  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Approach to Oligonucleotide Microarrays Using Zirconium Phosphonate-Modified Surfaces. <i>Journal of the American Chemical Society</i> , 2004, 126, 1497-1502.	13.7	124
2	Converting a $\beta$ -Glycosidase into a $\beta$ -Transglycosidase by Directed Evolution. <i>Journal of Biological Chemistry</i> , 2005, 280, 37088-37097.	3.4	89
3	Directed Evolution of the $\beta$ -L-Fucosidase from <i>Thermotoga maritima</i> into an $\beta$ -L-Transfucosidase. <i>Biochemistry</i> , 2007, 46, 1022-1033.	2.5	88
4	Towards Zirconium Phosphonate-Based Microarrays for Probing DNA-Protein Interactions: Critical Influence of the Location of the Probe Anchoring Groups. <i>Journal of the American Chemical Society</i> , 2008, 130, 6243-6251.	13.7	83
5	Semi-rational approach for converting a GH1 $\beta$ -glycosidase into a $\beta$ -transglycosidase. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 13-19.	2.1	65
6	Correlation between thermostability and stability of glycosidases in ionic liquid. <i>Biotechnology Letters</i> , 2011, 33, 1215-1219.	2.2	46
7	Leishmania cell wall as a potent target for antiparasitic drugs. A focus on the glycoconjugates. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8393-8404.	2.8	39
8	Bisphosphonate Adaptors for Specific Protein Binding on Zirconium Phosphonate-based Microarrays. <i>Bioconjugate Chemistry</i> , 2009, 20, 2270-2277.	3.6	36
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	Conserved Water Molecules in Family 1 Glycosidases: A DXMS and Molecular Dynamics Study. <i>Biochemistry</i> , 2013, 52, 5900-5910.	2.5	34
11	The agar-specific hydrolase ZgAgaC from the marine bacterium <i>Zobellia galactanivorans</i> defines a new GH16 protein subfamily. <i>Journal of Biological Chemistry</i> , 2019, 294, 6923-6939.	3.4	32
12	Design of an $\beta$ -L-transfucosidase for the synthesis of fucosylated HMOs. <i>Glycobiology</i> , 2015, 26, cwv099.	2.5	31
13	Semi-rational approach for converting a GH36 $\beta$ -glycosidase into an $\beta$ -transglycosidase. <i>Glycobiology</i> , 2015, 25, 420-427.	2.5	27
14	Modulation of the regioselectivity of a <i>Bacillus</i> alpha-galactosidase by directed evolution. <i>Glycoconjugate Journal</i> , 2001, 18, 215-223.	2.7	25
15	A Single Point Mutation Converts GH84 $\alpha$ -GlcNAc Hydrolases into Phosphorylases: Experimental and Theoretical Evidence. <i>Journal of the American Chemical Society</i> , 2020, 142, 2120-2124.	13.7	25
16	Internal Water Dynamics Control the Transglycosylation/Hydrolysis Balance in the Agarase (AgaD) of <i>Zobellia galactanivorans</i> . <i>ACS Catalysis</i> , 2017, 7, 3357-3367.	11.2	23
17	Poly(dG) Spacers Lead to Increased Surface Coverage of DNA Probes: An XPS Study of Oligonucleotide Binding to Zirconium Phosphonate Modified Surfaces. <i>Langmuir</i> , 2008, 24, 7394-7399.	3.5	22
18	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

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19	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
20	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
21	Engineering of a phosphorylatable tag for specific protein binding on zirconium phosphonate based microarrays. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 399-407.	2.6	16
22	De novo design of a trans-N-acetylglucosaminidase activity from a GH1 $\alpha$ -glycosidase by mechanism engineering. <i>Glycobiology</i> , 2015, 25, 394-402.	2.5	15
23	Identification by saturation mutagenesis of a single residue involved in the alpha-galactosidase AgaB regioselectivity. <i>Glycoconjugate Journal</i> , 2001, 18, 457-464.	2.7	11
24	Characterization and engineering of two new GH9 and GH48 cellulases from a <i>Bacillus pumilus</i> isolated from Lake Bogoria. <i>Biotechnology Letters</i> , 2021, 43, 691-700.	2.2	10
25	Design and Optimization of a Phosphopeptide Anchor for Specific Immobilization of a Capture Protein on Zirconium Phosphonate Modified Supports. <i>Langmuir</i> , 2014, 30, 13949-13955.	3.5	9
26	Regioselective Galactofuranosylation for the Synthesis of Disaccharide Patterns Found in Pathogenic Microorganisms. <i>Journal of Organic Chemistry</i> , 2017, 82, 7114-7122.	3.2	8
27	Toward the design of efficient transglycosidases: the case of the GH1 of <i>Thermus thermophilus</i> . <i>Protein Engineering, Design and Selection</i> , 2019, 32, 309-316.	2.1	5
28	In vivo phosphorylation of a peptide tag for protein purification. <i>Biotechnology Letters</i> , 2016, 38, 767-772.	2.2	4
29	Comparison of Zirconium Phosphonate-Modified Surfaces for Immobilizing Phosphopeptides and Phosphate-Tagged Proteins. <i>Langmuir</i> , 2016, 32, 5480-5490.	3.5	2