

Aurore Labourel

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,694
citations

567144

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794469

19
g-index

20
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docs citations

20
times ranked

2382
citing authors

#	ARTICLE	IF	CITATIONS
1	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a GH28 polygalacturonase that plays a key role in symbiosis establishment. <i>New Phytologist</i> , 2022, 233, 2534-2547.	3.5	16
2	A fungal family of lytic polysaccharide monoxygenase-like copper proteins. <i>Nature Chemical Biology</i> , 2020, 16, 345-350.	3.9	63
3	Influence of the carbohydrate-binding module on the activity of a fungal AA9 lytic polysaccharide monoxygenase on cellulosic substrates. <i>Biotechnology for Biofuels</i> , 2019, 12, 206.	6.2	61
4	Structural and functional analyses of glycoside hydrolase 138 enzymes targeting chain A galacturonic acid in the complex pectin rhamnogalacturonan II. <i>Journal of Biological Chemistry</i> , 2019, 294, 7711-7721.	1.6	12
5	The ectomycorrhizal basidiomycete <i>Laccaria bicolor</i> releases a secreted Î²-1,4 endoglucanase that plays a key role in symbiosis development. <i>New Phytologist</i> , 2018, 220, 1309-1321.	3.5	49
6	Lytic xylan oxidases from wood-decay fungi unlock biomass degradation. <i>Nature Chemical Biology</i> , 2018, 14, 306-310.	3.9	269
7	Dietary pectic glycans are degraded by coordinated enzyme pathways in human colonic <i>Bacteroides</i> . <i>Nature Microbiology</i> , 2018, 3, 210-219.	5.9	263
8	The laterally acquired GH5 <i>Zg</i> EngAGH5_4 from the marine bacterium <i>Zobellia galactanivorans</i> is dedicated to hemicellulose hydrolysis. <i>Biochemical Journal</i> , 2018, 475, 3609-3628.	1.7	7
9	A surface endogalactanase in <i>Bacteroides thetaiotaomicron</i> confers keystone status for arabinogalactan degradation. <i>Nature Microbiology</i> , 2018, 3, 1314-1326.	5.9	103
10	Complex pectin metabolism by gut bacteria reveals novel catalytic functions. <i>Nature</i> , 2017, 544, 65-70.	13.7	447
11	Unraveling the multivalent binding of a marine family 6 carbohydrate-binding module with its native laminarin ligand. <i>FEBS Journal</i> , 2016, 283, 1863-1879.	2.2	16
12	The Mechanism by Which Arabinoxylanases Can Recognize Highly Decorated Xylans. <i>Journal of Biological Chemistry</i> , 2016, 291, 22149-22159.	1.6	34
13	The Contribution of Non-catalytic Carbohydrate Binding Modules to the Activity of Lytic Polysaccharide Monoxygenases. <i>Journal of Biological Chemistry</i> , 2016, 291, 7439-7449.	1.6	102
14	The Mannitol Utilization System of the Marine Bacterium <i>Zobellia galactanivorans</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 1799-1812.	1.4	38
15	Structural and biochemical characterization of the laminarinase <i>Zg</i> LamC _{GH16} from <i>Zobellia galactanivorans</i> suggests preferred recognition of branched laminarin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 173-184.	2.5	34
16	Recognition of xyloglucan by the crystalline cellulose-binding site of a family 3a carbohydrate-binding module. <i>FEBS Letters</i> , 2015, 589, 2297-2303.	1.3	46
17	Systems biology defines the biological significance of redox-active proteins during cellulose degradation in an aerobic bacterium. <i>Molecular Microbiology</i> , 2014, 94, 1121-1133.	1.2	51
18	The Î²-Glucanase <i>Zg</i> LamA from <i>Zobellia galactanivorans</i> Evolved a Bent Active Site Adapted for Efficient Degradation of Algal Laminarin. <i>Journal of Biological Chemistry</i> , 2014, 289, 2027-2042.	1.6	75