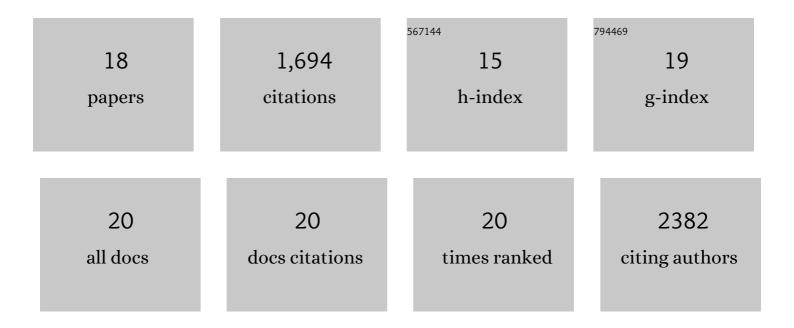
## Aurore Labourel

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4675528/publications.pdf Version: 2024-02-01



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