

# Caroline RÃ©mond

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1203226/publications.pdf>

Version: 2024-02-01

24  
papers

528  
citations

687363

13  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact and efficiency of GH10 and GH11 thermostable endoxylanases on wheat bran and alkali-extractable arabinoxylans. <i>Carbohydrate Research</i> , 2004, 339, 2529-2540.	2.3	125
2	Enzymatic synthesis of alkyl 2-d-xylosides and oligoxylosides from xylans and from hydrothermally pretreated wheat bran. <i>Green Chemistry</i> , 2011, 13, 2380.	9.0	42
3	In Vitro Model Assemblies To Study the Impact of Lignin-Carbohydrate Interactions on the Enzymatic Conversion of Xylan. <i>Biomacromolecules</i> , 2009, 10, 2489-2498.	5.4	40
4	Sequential and simultaneous strategies for biorefining of wheat straw using room temperature ionic liquids, xylanases and cellulases. <i>Bioresource Technology</i> , 2018, 251, 280-287.	9.6	39
5	A thermostable feruloyl-esterase from the hemicellulolytic bacterium <i>Thermobacillus xylanilyticus</i> releases phenolic acids from non-pretreated plant cell walls. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 541-552.	3.6	38
6	The hemicellulolytic enzyme arsenal of <i>Thermobacillus xylanilyticus</i> depends on the composition of biomass used for growth. <i>Microbial Cell Factories</i> , 2012, 11, 159.	4.0	29
7	A novel and integrative process: From enzymatic fractionation of wheat bran with a hemicellulasic cocktail to the recovery of ferulic acid by weak anion exchange resin. <i>Industrial Crops and Products</i> , 2017, 105, 148-155.	5.2	29
8	Circular Economy Applied to Organic Residues and Wastewater: Research Challenges. <i>Waste and Biomass Valorization</i> , 2022, 13, 1267-1276.	3.4	26
9	The use of thermostable bacterial hemicellulases improves the conversion of lignocellulosic biomass to valuable molecules. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7577-7590.	3.6	25
10	d-Xylose and l-arabinose laurate esters: Enzymatic synthesis, characterization and physico-chemical properties. <i>Enzyme and Microbial Technology</i> , 2018, 112, 14-21.	3.2	24
11	Contrasted enzymatic cocktails reveal the importance of cellulases and hemicellulases activity ratios for the hydrolysis of cellulose in presence of xylans. <i>AMB Express</i> , 2016, 6, 24.	3.0	21
12	Engineering the hydrophobic residues of a GH11 xylanase impacts its adsorption onto lignin and its thermostability. <i>Enzyme and Microbial Technology</i> , 2015, 81, 47-55.	3.2	17
13	Valorisation of wheat bran to produce natural pigments using selected microorganisms. <i>Journal of Biotechnology</i> , 2021, 339, 81-92.	3.8	17
14	Co-elicitation of lignocellulolytic enzymatic activities and metabolites production in an <i>Aspergillus-Streptomyces</i> co-culture during lignocellulose fractionation. <i>Current Research in Microbial Sciences</i> , 2022, 3, 100108.	2.3	9
15	Chemoenzymatic synthesis of 2-xylosides and xylobiosides from lignocellulosic biomass. <i>RSC Advances</i> , 2014, 4, 9330.	3.6	8
16	Production of tailored xylo-oligosaccharides from beechwood xylan by different enzyme membrane reactors and evaluation of their prebiotic activity. <i>Biochemical Engineering Journal</i> , 2022, 185, 108494.	3.6	8
17	Culturable and metagenomic approaches of wheat bran and wheat straw phyllosphere highlight new lignocellulolytic microorganisms. <i>Letters in Applied Microbiology</i> , 2022, 74, 840-850.	2.2	7
18	An Integrated Enzymatic Approach to Produce Pentyl Xylosides and Glucose/Xylose Laurate Esters From Wheat Bran. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 647442.	4.1	5

#	ARTICLE	IF	CITATIONS
19	Streptomyces silvae sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	5
20	Screening New Xylanase Biocatalysts from the Mangrove Soil Diversity. Microorganisms, 2021, 9, 1484.	3.6	3
21	Enzymatic Production of Xylo-oligosaccharides from Destarched Wheat Bran and the Impact of Their Degree of Polymerization and Substituents on Their Utilization as a Carbon Source by Probiotic Bacteria. Journal of Agricultural and Food Chemistry, 2021, 69, 13217-13226.	5.2	3
22	Draft Genome Sequence of the Lignocellulolytic and Thermophilic Bacterium Thermobacillus xylanilyticus XE. Microbiology Resource Announcements, 2022, 11, e0093421.	0.6	3
23	Protein-Rich Agro-Industrial Co-products are Key Substrates for Growth of Chromobacterium vaccinii and its Violacein Bioproduction. Waste and Biomass Valorization, 2022, 13, 4459-4468.	3.4	3
24	Testing scientific models using Qualitative Reasoning: Application to cellulose hydrolysis. Scientific Reports, 2017, 7, 14122.	3.3	2