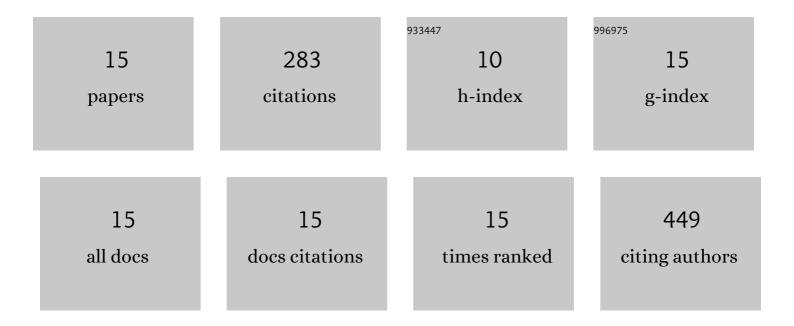
Mariana A B Morais

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Gut microbiome of the largest living rodent harbors unprecedented enzymatic systems to degrade plant polysaccharides. Nature Communications, 2022, 13, 629.	12.8	26
2	Xyloglucan processing machinery in Xanthomonas pathogens and its role in the transcriptional activation of virulence factors. Nature Communications, 2021, 12, 4049.	12.8	26
3	Two distinct catalytic pathways for GH43 xylanolytic enzymes unveiled by X-ray and QM/MM simulations. Nature Communications, 2021, 12, 367.	12.8	27
4	A rationally identified marine GH1 βâ€glucosidase has distinguishing functional features for simultaneous saccharification and fermentation. Biofuels, Bioproducts and Biorefining, 2020, 14, 1163-1179.	3.7	5
5	Exploring the Molecular Basis for Substrate Affinity and Structural Stability in Bacterial GH39 β-Xylosidases. Frontiers in Bioengineering and Biotechnology, 2020, 8, 419.	4.1	11
6	Spatially remote motifs cooperatively affect substrate preference of a ruminal GH26-type endo-β-1,4-mannanase. Journal of Biological Chemistry, 2020, 295, 5012-5021.	3.4	9
7	An engineered GH1 β-glucosidase displays enhanced glucose tolerance and increased sugar release from lignocellulosic materials. Scientific Reports, 2019, 9, 4903.	3.3	36
8	Structureâ€guided design combined with evolutionary diversity led to the discovery of the xyloseâ€releasing exoâ€xylanase activity in the glycoside hydrolase family 43. Biotechnology and Bioengineering, 2019, 116, 734-744.	3.3	15
9	A novel β-glucosidase isolated from the microbial metagenome of Lake Poraquê (Amazon, Brazil). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 569-579.	2.3	11
10	How high pressure pre-treatments affect the function and structure of hen egg-white lysozyme. Innovative Food Science and Emerging Technologies, 2018, 47, 195-203.	5.6	14
11	Structural basis of exo-β-mannanase activity in the GH2 family. Journal of Biological Chemistry, 2018, 293, 13636-13649.	3.4	16
12	The mechanism by which a distinguishing arabinofuranosidase can cope with internal di-substitutions in arabinoxylans. Biotechnology for Biofuels, 2018, 11, 223.	6.2	29
13	Calcium and magnesium ions modulate the oligomeric state and function of mitochondrial 2-Cys peroxiredoxins in Leishmania parasites. Journal of Biological Chemistry, 2017, 292, 7023-7039.	3.4	10
14	How pH Modulates the Dimer-Decamer Interconversion of 2-Cys Peroxiredoxins from the Prx1 Subfamily. Journal of Biological Chemistry, 2015, 290, 8582-8590.	3.4	43
15	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of the mitochondrial tryparedoxin peroxidase from <i>Leishmania braziliensis</i> . Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 408-411.	0.7	5