

Mariana A B Morais

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

283
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

449
citing authors

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