Renan Augusto Siqueira Pirolla

List of Publications by Year
in descending order

14	335	933447 10	1058476 14
papers	citations	h-index	g-index

15	15	15	536
all docs	docs citations	times ranked	citing authors

#	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	Unveiling the interaction between the molecular motor Myosin Vc and the small GTPase Rab3A. Journal of Proteomics, 2020, 212, 103549.	2.4	7
5	Exploring the Molecular Basis for Substrate Affinity and Structural Stability in Bacterial GH39 Î²-Xylosidases. Frontiers in Bioengineering and Biotechnology, 2020, 8, 419.	4.1	11
6	Structural insights into Î²-1,3-glucan cleavage by a glycoside hydrolase family. Nature Chemical Biology, 2020, 16, 920-929.	8.0	19
7	N-glycan Utilization by Bifidobacterium Gut Symbionts Involves a Specialist Î²-Mannosidase. Journal of Molecular Biology, 2019, 431, 732-747.	4.2	18
8	New contributions for industrial n-butanol fermentation: An optimized Clostridium strain and the use of xylooligosaccharides as a fermentation additive. Biomass and Bioenergy, 2018, 119, 304-313.	5.7	7
9	Structural basis of exo-Î²-mannanase activity in the GH2 family. Journal of Biological Chemistry, 2018, 293, 13636-13649.	3.4	16
10	The mechanism by which a distinguishing arabinofuranosidase can cope with internal di-substitutions in arabinoxylans. Biotechnology for Biofuels, 2018, 11, 223.	6.2	29
11	Unraveling the genetic basis of xylose consumption in engineered Saccharomyces cerevisiae strains. Scientific Reports, 2016, 6, 38676.	3.3	57
12	Second-Generation Ethanol: The Need is Becoming a Reality. Industrial Biotechnology, 2016, 12, 40-57.	0.8	85
13	Evaluation of snake venom phospholipase A2: hydrolysis of non-natural esters. Journal of the Brazilian Chemical Society, 2011, 22, 300-307.	0.6	5
14	Evaluation of Snake Venom Phospholipase A2: hydrolysis of Non-Natural Esters. Journal of the Brazilian Chemical Society, 2011, 22, 807-807.	0.6	0