

# Renan Augusto Siqueira Pirolla

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2849797/publications.pdf>

Version: 2024-02-01

14  
papers

335  
citations

933447

10  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

536  
citing authors

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