

# Fabio Squina

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

921  
citations

471509

17  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1366  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying biochemical and structural characterization of hydroxycinnamate catabolic enzymes from soil metagenome for lignin valorization strategies. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2503-2516.	3.6	5
2	Microbial enrichment and meta-omics analysis identify CAZymes from mangrove sediments with unique properties. <i>Enzyme and Microbial Technology</i> , 2021, 148, 109820.	3.2	9
3	Modified lignin from sugarcane bagasse as an emulsifier in oil-in-water nanoemulsions. <i>Industrial Crops and Products</i> , 2021, 167, 113532.	5.2	14
4	The structure of a prokaryotic feruloyl-CoA hydratase-lyase from a lignin-degrading consortium with high oligomerization stability under extreme pHs. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140344.	2.3	6
5	Designing a cocktail containing redox enzymes to improve hemicellulosic hydrolysate fermentability by microorganisms. <i>Enzyme and Microbial Technology</i> , 2020, 135, 109490.	3.2	14
6	An alkaline active feruloyl-CoA synthetase from soil metagenome as a potential key enzyme for lignin valorization strategies. <i>PLoS ONE</i> , 2019, 14, e0212629.	2.5	7
7	Novel redox-active enzymes for ligninolytic applications revealed from multiomics analyses of <i>Peniophora</i> sp. CBMAI 1063, a laccase hyper-producer strain. <i>Scientific Reports</i> , 2019, 9, 17564.	3.3	24
8	Lignolytic-consortium omics analyses reveal novel genomes and pathways involved in lignin modification and valorization. <i>Biotechnology for Biofuels</i> , 2018, 11, 75.	6.2	65
9	Xyloglucan breakdown by endo-xyloglucanase family 74 from <i>Aspergillus fumigatus</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2893-2903.	3.6	33
10	A Novel Carbohydrate-binding Module from Sugar Cane Soil Metagenome Featuring Unique Structural and Carbohydrate Affinity Properties. <i>Journal of Biological Chemistry</i> , 2016, 291, 23734-23743.	3.4	18
11	Effect of hemicellulolytic enzymes to improve sugarcane bagasse saccharification and xylooligosaccharides production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 131, 36-46.	1.8	38
12	Acidification treatment of lignin from sugarcane bagasse results in fractions of reduced polydispersity and high free-radical scavenging capacity. <i>Industrial Crops and Products</i> , 2016, 83, 94-103.	5.2	40
13	Draft Genome Sequence of the Thermophile <i>Thermus filiformis</i> ATCC 43280, Producer of Carotenoid-(Di)glucoside-Branched Fatty Acid (Di)esters and Source of Hyperthermostable Enzymes of Biotechnological Interest. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
14	A Novel Member of GH16 Family Derived from Sugarcane Soil Metagenome. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 304-317.	2.9	14
15	Comparative analysis of three hyperthermophilic GH1 and GH3 family members with industrial potential. <i>New Biotechnology</i> , 2015, 32, 13-20.	4.4	38
16	Understanding the function of conserved variations in the catalytic loops of fungal glycoside hydrolase family 12. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1494-1505.	3.3	15
17	Development of hemicellulolytic enzyme mixtures for plant biomass deconstruction on target biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8513-8525.	3.6	44
18	Characterization of a Hexameric Exo-Acting GH51 $\beta$ -L-Arabinofuranosidase from the Mesophilic <i>Bacillus subtilis</i> . <i>Molecular Biotechnology</i> , 2013, 55, 260-267.	2.4	12

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19	Biomass-to-bio-products application of feruloyl esterase from <i>Aspergillus clavatus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6759-6767.	3.6	49
20	Understanding the cellulolytic system of <i>Trichoderma harzianum</i> P49P11 and enhancing saccharification of pretreated sugarcane bagasse by supplementation with pectinase and $\beta$ -l-arabinofuranosidase. <i>Bioresource Technology</i> , 2013, 131, 500-507.	9.6	81
21	Ferulic acid and derivatives: molecules with potential application in the pharmaceutical field. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2013, 49, 395-411.	1.2	139
22	Development and Biotechnological Application of a Novel Endoxylanase Family GH10 Identified from Sugarcane Soil Metagenome. <i>PLoS ONE</i> , 2013, 8, e70014.	2.5	28
23	The <i>Penicillium echinulatum</i> Secretome on Sugar Cane Bagasse. <i>PLoS ONE</i> , 2012, 7, e50571.	2.5	70
24	Insights on How the Activity of an Endoglucanase Is Affected by Physical Properties of Insoluble Celluloses. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6128-6136.	2.6	27
25	High-yield secretion of multiple client proteins in <i>Aspergillus</i> . <i>Enzyme and Microbial Technology</i> , 2012, 51, 100-106.	3.2	72
26	Substrate cleavage pattern, biophysical characterization and low-resolution structure of a novel hyperthermostable arabinanase from <i>Thermotoga petrophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 505-511.	2.1	23
27	Xylan decomposition by <i>Aspergillus clavatus</i> endo-xylanase. <i>Protein Expression and Purification</i> , 2009, 68, 65-71.	1.3	33