

# Andr R L Damsio

## List of Publications by Citations

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69

papers

1,688

citations

22

h-index

39

g-index

75

ext. papers

2,166

ext. citations

5.9

avg, IF

4.31

L-index

#	Paper	IF	Citations
69	Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1 $\alpha$ /Glycolysis-Dependent Axis. <i>Cell Metabolism</i> , <b>2020</b> , 32, 437-446.e5	24.6	268
68	Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus <i>Aspergillus</i> . <i>Genome Biology</i> , <b>2017</b> , 18, 28	18.3	261
67	Genomics review of holocellulose deconstruction by aspergilli. <i>Microbiology and Molecular Biology Reviews</i> , <b>2014</b> , 78, 588-613	13.2	73
66	Functional characterization and synergic action of fungal xylanase and arabinofuranosidase for production of xylooligosaccharides. <i>Bioresource Technology</i> , <b>2012</b> , 119, 293-9	11	72
65	High-yield secretion of multiple client proteins in <i>Aspergillus</i> . <i>Enzyme and Microbial Technology</i> , <b>2012</b> , 51, 100-6	3.8	63
64	A novel thermostable xylanase GH10 from <i>Malbranchea pulchella</i> expressed in <i>Aspergillus nidulans</i> with potential applications in biotechnology. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 115	7.8	54
63	Heterologous expression of an <i>Aspergillus niveus</i> xylanase GH11 in <i>Aspergillus nidulans</i> and its characterization and application. <i>Process Biochemistry</i> , <b>2011</b> , 46, 1236-1242	4.8	45
62	Biomass-to-bio-products application of feruloyl esterase from <i>Aspergillus clavatus</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 6759-67	5.7	43
61	Functional characterization and oligomerization of a recombinant xyloglucan-specific endo- $\beta$ -1,4-glucanase (GH12) from <i>Aspergillus niveus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2012</b> , 1824, 461-7	4	39
60	Development of hemicellulolytic enzyme mixtures for plant biomass deconstruction on target biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 8513-25	5.7	36
59	Comparative analysis of three hyperthermophilic GH1 and GH3 family members with industrial potential. <i>New Biotechnology</i> , <b>2015</b> , 32, 13-20	6.4	31
58	Effect of hemicellulolytic enzymes to improve sugarcane bagasse saccharification and xylooligosaccharides production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2016</b> , 131, 36-46		29
57	Purification and partial characterization of an exo-polygalacturonase from <i>Paecilomyces variotii</i> liquid cultures. <i>Applied Biochemistry and Biotechnology</i> , <b>2010</b> , 160, 1496-507	3.2	29
56	Cloning, heterologous expression and biochemical characterization of a non-specific endoglucanase family 12 from <i>Aspergillus terreus</i> NIH2624. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2017</b> , 1865, 395-403	4	27
55	Assembling a xylanase-lichenase chimera through all-atom molecular dynamics simulations. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2013</b> , 1834, 1492-500	4	27
54	SARS-CoV-2 infects brain astrocytes of COVID-19 patients and impairs neuronal viability		27
53	Xylooligosaccharides production from a sugarcane biomass mixture: Effects of commercial enzyme combinations on bagasse/straw hydrolysis pretreated using different strategies. <i>Food Research International</i> , <b>2020</b> , 128, 108702	7	26

52	Purification and functional properties of a novel glucoamylase activated by manganese and lead produced by <i>Aspergillus japonicus</i> . <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 779-788	7.9	24
51	Development of a chimeric hemicellulase to enhance the xylose production and thermotolerance. <i>Enzyme and Microbial Technology</i> , <b>2015</b> , 69, 31-7	3.8	24
50	An integrated approach to obtain xylo-oligosaccharides from sugarcane straw: From lab to pilot scale. <i>Bioresource Technology</i> , <b>2020</b> , 313, 123637	11	24
49	Properties of a purified thermostable glucoamylase from <i>Aspergillus niveus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2009</b> , 36, 1439-46	4.2	23
48	Enhanced xyloglucan-specific endo- $\beta$ -1,4-glucanase efficiency in an engineered CBM44-XegA chimera. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 5095-107	5.7	22
47	Xylan-specific carbohydrate-binding module belonging to family 6 enhances the catalytic performance of a GH11 endo-xylanase. <i>New Biotechnology</i> , <b>2016</b> , 33, 467-72	6.4	21
46	Mapping N-linked glycosylation of carbohydrate-active enzymes in the secretome of <i>Aspergillus nidulans</i> grown on lignocellulose. <i>Biotechnology for Biofuels</i> , <b>2016</b> , 9, 168	7.8	19
45	Two structurally discrete GH7-cellobiohydrolases compete for the same cellulosic substrate fiber. <i>Biotechnology for Biofuels</i> , <b>2012</b> , 5, 21	7.8	19
44	Co-cultivation of <i>Aspergillus nidulans</i> Recombinant Strains Produces an Enzymatic Cocktail as Alternative to Alkaline Sugarcane Bagasse Pretreatment. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 583	5.7	19
43	Purification and biochemical characterization of a novel alpha-glucosidase from <i>Aspergillus niveus</i> . <i>Antonie Van Leeuwenhoek</i> , <b>2009</b> , 96, 569-78	2.1	18
42	Xyloglucan breakdown by endo-xyloglucanase family 74 from <i>Aspergillus fumigatus</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 2893-2903	5.7	17
41	Biochemical characterization of an endoxylanase from <i>Pseudozyma brasiliensis</i> sp. nov. strain GHG001 isolated from the intestinal tract of Chrysomelidae larvae associated to sugarcane roots. <i>Process Biochemistry</i> , <b>2014</b> , 49, 77-83	4.8	16
40	Understanding the function of conserved variations in the catalytic loops of fungal glycoside hydrolase family 12. <i>Biotechnology and Bioengineering</i> , <b>2014</b> , 111, 1494-505	4.9	15
39	Genomic and Phenotypic Analysis of COVID-19-Associated Pulmonary Aspergillosis Isolates of <i>Aspergillus fumigatus</i> . <i>Microbiology Spectrum</i> , <b>2021</b> , 9, e0001021	8.9	15
38	The functional properties of a xyloglucanase (GH12) of <i>Aspergillus terreus</i> expressed in <i>Aspergillus nidulans</i> may increase performance of biomass degradation. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 9133-9144	5.7	14
37	Functional properties of a manganese-activated exo-polygalacturonase produced by a thermotolerant fungus <i>Aspergillus niveus</i> . <i>Folia Microbiologica</i> , <b>2013</b> , 58, 615-21	2.8	14
36	The aldo-keto reductase: a multipurpose enzyme for biorefinery applications. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 4	7.8	13
35	Purification, partial characterization, and covalent immobilization-stabilization of an extracellular $\beta$ amylase from <i>Aspergillus niveus</i> . <i>Folia Microbiologica</i> , <b>2013</b> , 58, 495-502	2.8	13

34	Biotechnological potential of alternative carbon sources for production of pectinases by <i>Rhizopus microsporus</i> var. <i>rhizopodiformis</i> . <i>Brazilian Archives of Biology and Technology</i> , <b>2011</b> , 54, 141-148	1.8	13
33	Structural and functional characterization of a highly secreted $\beta$ -arabinofuranosidase (GH62) from <i>Aspergillus nidulans</i> grown on sugarcane bagasse. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2017</b> , 1865, 1758-1769	4	12
32	Optimization of cello-oligosaccharides production by enzymatic hydrolysis of hydrothermally pretreated sugarcane straw using cellulolytic and oxidative enzymes. <i>Biomass and Bioenergy</i> , <b>2020</b> , 141, 105697	5.3	12
31	Co-immobilization of fungal endo-xylanase and $\beta$ -arabinofuranosidase in glyoxyl agarose for improved hydrolysis of arabinoxylan. <i>Journal of Biochemistry</i> , <b>2013</b> , 154, 275-80	3.1	11
30	$\beta$ (1,4)-Amylase, but not $\beta$ and $\beta$ (1,3)-glucanases, may be responsible for the impaired growth and morphogenesis of <i>Paracoccidioides brasiliensis</i> induced by N-glycosylation inhibition. <i>Yeast</i> , <b>2014</b> , 31, 1-11	3.4	10
29	Improvement of fungal arabinofuranosidase thermal stability by reversible immobilization. <i>Process Biochemistry</i> , <b>2012</b> , 47, 2411-2417	4.8	10
28	The fungal metabolite eugenitin as additive for <i>Aspergillus niveus</i> glucoamylase activation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> , 74, 156-161		9
27	<i>Toxoplasma gondii</i> Chitinase Induces Macrophage Activation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144507	3.7	9
26	Heterologous expression and functional characterization of a GH10 endoxylanase from var. with potential biotechnological application. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2019</b> , 24, e003823	5.3	9
25	Protein profile in <i>Aspergillus nidulans</i> recombinant strains overproducing heterologous enzymes. <i>Microbial Biotechnology</i> , <b>2018</b> , 11, 346-358	6.3	8
24	The secretome of two representative lignocellulose-decay basidiomycetes growing on sugarcane bagasse solid-state cultures. <i>Enzyme and Microbial Technology</i> , <b>2019</b> , 130, 109370	3.8	8
23	Biochemical Characterization, Thermal Stability, and Partial Sequence of a Novel Exo-Polygalacturonase from the Thermophilic Fungus A13.36 Obtained by Submerged Cultivation. <i>BioMed Research International</i> , <b>2016</b> , 2016, 8653583	3	8
22	Improvement of homologous GH10 xylanase production by deletion of genes with predicted function in the <i>Aspergillus nidulans</i> secretion pathway. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 1245-1253	6.3	7
21	Insights into the plant polysaccharide degradation potential of the xylanolytic yeast <i>Pseudozyma brasiliensis</i> . <i>FEMS Yeast Research</i> , <b>2016</b> , 16, fov117	3.1	7
20	Use of Cassava Peel as Carbon Source for Production of Amylolytic Enzymes by <i>Aspergillus niveus</i> . <i>International Journal of Food Engineering</i> , <b>2009</b> , 5,	1.9	7
19	Characterization of PbPga1, an antigenic GPI-protein in the pathogenic fungus <i>Paracoccidioides brasiliensis</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e44792	3.7	7
18	Molecular basis of substrate recognition and specificity revealed in family 12 glycoside hydrolases. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 2577-2586	4.9	7
17	Tunicamycin inhibition of N-glycosylation of $\beta$ glucosidase from <i>Aspergillus niveus</i> : partial influence on biochemical properties. <i>Biotechnology Letters</i> , <b>2010</b> , 32, 1449-55	3	6

16	The Genome of a Thermo Tolerant, Pathogenic Albino. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1827	5.7	5
15	Multi-omics analysis provides insights into lignocellulosic biomass degradation by <i>Laetiporus sulphureus</i> ATCC 52600. <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 96	7.8	5
14	Redesigning N-glycosylation sites in a GH3 $\beta$ -xylosidase improves the enzymatic efficiency. <i>Biotechnology for Biofuels</i> , <b>2019</b> , 12, 269	7.8	5
13	<i>Aspergillus fumigatus</i> . <i>Trends in Microbiology</i> , <b>2020</b> , 28, 594-595	12.4	5
12	On the roles of AA15 lytic polysaccharide monoxygenases derived from the termite <i>Coptotermes gestroi</i> . <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 216, 111316	4.2	5
11	An alkaline active feruloyl-CoA synthetase from soil metagenome as a potential key enzyme for lignin valorization strategies. <i>PLoS ONE</i> , <b>2019</b> , 14, e0212629	3.7	3
10	Lysine acetylation as drug target in fungi: an underexplored potential in <i>Aspergillus</i> spp. <i>Brazilian Journal of Microbiology</i> , <b>2020</b> , 51, 673-683	2.2	3
9	Endo-xylanase GH11 activation by the fungal metabolite eugenitin. <i>Biotechnology Letters</i> , <b>2012</b> , 34, 1487-92		2
8	Immobilization of a recombinant endo-1,5-arabinanase secreted by <i>Aspergillus nidulans</i> strain A773. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> ,		1
7	Pectinases Produced by Microorganisms <b>2013</b> ,		1
6	The periplasmic expression and purification of AA15 lytic polysaccharide monoxygenases from insect species in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , <b>2022</b> , 190, 105994	2	1
5	Comparative RNA-seq based transcriptomic analysis of <i>Aspergillus nidulans</i> recombinant strains overproducing heterologous glycoside hydrolases		1
4	Genomic and phenotypic analysis of COVID-19-associated pulmonary aspergillosis isolates of <b>2020</b> ,		1
3	A novel mechanism of $\beta$ -glucosidase stimulation through a monosaccharide binding-induced conformational change. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 166, 1188-1196	7.9	1
2	Structural model and functional properties of an exo-polygalacturonase from <i>Neosartorya glabra</i> . <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 186, 909-918	7.9	0
1	Applying biochemical and structural characterization of hydroxycinnamate catabolic enzymes from soil metagenome for lignin valorization strategies.. <i>Applied Microbiology and Biotechnology</i> , <b>2022</b> , 106, 2503-2516	5.7	0