Luclia Domingues

List of Publications by Citations

171 papers	5,236 citations	38 h-index	63 g-index
183 ext. papers	6,257 ext. citations	6.2 avg, IF	6.12 L-index

#	Paper	IF	Citations
171	Technological trends, global market, and challenges of bio-ethanol production. *Biotechnology Advances*, **2010**, 28, 817-30	17.8	504
170	Fermentation of lactose to bio-ethanol by yeasts as part of integrated solutions for the valorisation of cheese whey. *Biotechnology Advances*, **2010**, 28, 375-84	17.8	274
169	Fusion tags for protein solubility, purification and immunogenicity in Escherichia coli: the novel Fh8 system. *Frontiers in Microbiology*, **2014**, 5, 63	5.7	205
168	Wound healing activity of the human antimicrobial peptide LL37. *Peptides*, **2011**, 32, 1469-76	3.8	153
167	Improving bacterial cellulose for blood vessel replacement: Functionalization with a chimeric protein containing a cellulose-binding module and an adhesion peptide. *Acta Biomaterialia*, **2010**, 6, 4034-41	10.8	120
166	Recombinant microbial systems for improved β-galactosidase production and biotechnological applications. *Biotechnology Advances*, **2011**, 29, 600-9	17.8	111
165	Optimization of low-cost medium for very high gravity ethanol fermentations by Saccharomyces cerevisiae using statistical experimental designs. *Bioresource Technology*, **2010**, 101, 7856-63	11	109
164	Recombinant CBM-fusion technology - Applications overview. *Biotechnology Advances*, **2015**, 33, 358-69	17.8	88
163	Industrial robust yeast isolates with great potential for fermentation of lignocellulosic biomass. *Bioresource Technology*, **2014**, 161, 192-9	11	78
162	Production of fermented cheese whey-based beverage using kefir grains as starter culture: evaluation of morphological and microbial variations. *Bioresource Technology*, **2010**, 101, 8843-50	11	74
161	Adaptive evolution of a lactose-consuming Saccharomyces cerevisiae recombinant. *Applied and Environmental Microbiology*, **2008**, 74, 1748-56	4.8	69
160	Xylose fermentation efficiency of industrial yeast with separate or combined xylose reductase/xylitol dehydrogenase and xylose isomerase pathways. *Biotechnology for Biofuels*, **2019**, 12, 20	7.8	67
159	Improving the affinity of fibroblasts for bacterial cellulose using carbohydrate-binding modules fused to RGD. *Journal of Biomedical Materials Research - Part A*, **2010**, 92, 9-17	5.4	66
158	Molecular and physiological basis of Saccharomyces cerevisiae tolerance to adverse lignocellulose-based process conditions. *Applied Microbiology and Biotechnology*, **2019**, 103, 159-175	5.7	66
157	Alcohol production from cheese whey permeate using genetically modified flocculent yeast cells. *Biotechnology and Bioengineering*, **2001**, 72, 507-14	4.9	65
156	Evaluation of strategies for second generation bioethanol production from fast growing biomass Paulownia within a biorefinery scheme. *Applied Energy*, **2017**, 187, 777-789	10.7	59
155	Comparative study of the biochemical changes and volatile compound formations during the production of novel whey-based kefir beverages and traditional milk kefir. *Food Chemistry*, **2011**, 126, 249-253	8.5	58

154	On the track for an efficient detection of Escherichia coli in water: A review on PCR-based methods. *Ecotoxicology and Environmental Safety*, **2015**, 113, 400-11	7	57
153	Integrated approach for effective bioethanol production using whole slurry from autohydrolyzed Eucalyptus globulus wood at high-solid loadings. *Fuel*, **2014**, 135, 482-491	7.1	55
152	The novel Fh8 and H fusion partners for soluble protein expression in Escherichia coli: a comparison with the traditional gene fusion technology. *Applied Microbiology and Biotechnology*, **2013**, 97, 6779-91	5.7	55
151	Metabolic engineering of Saccharomyces cerevisiae for lactose/whey fermentation. *Bioengineered Bugs*, **2010**, 1, 164-71		55
150	Metabolic engineering of Saccharomyces cerevisiae ethanol strains PE-2 and CAT-1 for efficient lignocellulosic fermentation. *Bioresource Technology*, **2015**, 179, 150-158	11	54
149	Bacterial cellulose modified using recombinant proteins to improve neuronal and mesenchymal cell adhesion. *Biotechnology Progress*, **2012**, 28, 526-32	2.8	54
148	Recent trends on seaweed fractionation for liquid biofuels production. *Bioresource Technology*, **2020**, 299, 122613	11	53
147	Cellulase recycling in biorefineries--is it possible?. *Applied Microbiology and Biotechnology*, **2015**, 99, 4131-43	5.7	51
146	Robust industrial Saccharomyces cerevisiae strains for very high gravity bio-ethanol fermentations. *Journal of Bioscience and Bioengineering*, **2011**, 112, 130-6	3.3	51
145	Studies of a pervaporation reactor: Kinetics and equilibrium shift in benzyl alcohol acetylation. *Chemical Engineering Science*, **1999**, 54, 1461-1465	4.4	51
144	Applications of yeast flocculation in biotechnological processes. *Biotechnology and Bioprocess Engineering*, **2000**, 5, 288-305	3.1	49
143	Valorization of Eucalyptus wood by glycerol-organosolv pretreatment within the biorefinery concept: An integrated and intensified approach. *Renewable Energy*, **2016**, 95, 1-9	8.1	49
142	Integral valorization of vine pruning residue by sequential autohydrolysis stages. *Journal of Cleaner Production*, **2017**, 168, 74-86	10.3	47
141	Xylitol production from lignocellulosic whole slurry corn cob by engineered industrial Saccharomyces cerevisiae PE-2. *Bioresource Technology*, **2018**, 267, 481-491	11	46
140	Continuous ethanol fermentation of lactose by a recombinant flocculating Saccharomyces cerevisiae strain. *Biotechnology and Bioengineering*, **1999**, 64, 692-7	4.9	46
139	Selection of Saccharomyces cerevisiae strains for efficient very high gravity bio-ethanol fermentation processes. *Biotechnology Letters*, **2010**, 32, 1655-61	3	45
138	Aspergillus niger β-galactosidase production by yeast in a continuous high cell density reactor. *Process Biochemistry*, **2005**, 40, 1151-1154	4.8	45
137	Integrated approach for selecting efficient Saccharomyces cerevisiae for industrial lignocellulosic fermentations: Importance of yeast chassis linked to process conditions. *Bioresource Technology*, **2017**, 227, 24-34	11	43

136	Third generation bioethanol from invasive macroalgae Sargassum muticum using autohydrolysis pretreatment as first step of a biorefinery. *Renewable Energy*, **2019**, 141, 728-735	8.1	43
135	Polycystic ovary syndrome and hyperprolactinemia are distinct entities. *Gynecological Endocrinology*, **2007**, 23, 267-72	2.4	42
134	Identification of candidate genes for yeast engineering to improve bioethanol production in very high gravity and lignocellulosic biomass industrial fermentations. *Biotechnology for Biofuels*, **2011**, 4, 57	7.8	39
133	Bioactive compounds recovery optimization from vine pruning residues using conventional heating and microwave-assisted extraction methods. *Industrial Crops and Products*, **2019**, 132, 99-110	5.9	38
132	Combined alkali and hydrothermal pretreatments for oat straw valorization within a biorefinery concept. *Bioresource Technology*, **2016**, 220, 323-332	11	38
131	Virtual laboratories in (bio)chemical engineering education. *Education for Chemical Engineers*, **2010**, 5, e22-e27	2.4	38
130	Application of the Cre-loxP system for multiple gene disruption in the yeast Kluyveromyces marxianus. *Journal of Biotechnology*, **2007**, 131, 20-6	3.7	38
129	Ashbya gossypii beyond industrial riboflavin production: A historical perspective and emerging biotechnological applications. *Biotechnology Advances*, **2015**, 33, 1774-86	17.8	37
128	HAA1 and PRS3 overexpression boosts yeast tolerance towards acetic acid improving xylose or glucose consumption: unravelling the underlying mechanisms. *Applied Microbiology and Biotechnology*, **2018**, 102, 4589-4600	5.7	35
127	Recombinant lectins: an array of tailor-made glycan-interaction biosynthetic tools. *Critical Reviews in Biotechnology*, **2013**, 33, 66-80	9.4	35
126	Valorization of Eucalyptus nitens bark by organosolv pretreatment for the production of advanced biofuels. *Industrial Crops and Products*, **2019**, 132, 327-335	5.9	35
125	Escherichia coli expression and purification of LL37 fused to a family III carbohydrate-binding module from Clostridium thermocellum. *Protein Expression and Purification*, **2010**, 71, 1-7	2	34
124	Development of stable flocculent Saccharomyces cerevisiae strain for continuous Aspergillus niger beta-galactosidase production. *Journal of Bioscience and Bioengineering*, **2007**, 103, 318-24	3.3	34
123	Contribution of PRS3, RPB4 and ZWF1 to the resistance of industrial Saccharomyces cerevisiae CCUG53310 and PE-2 strains to lignocellulosic hydrolysate-derived inhibitors. *Bioresource Technology*, **2015**, 191, 7-16	11	33
122	Valorizing recycled paper sludge by a bioethanol production process with cellulase recycling. *Bioresource Technology*, **2016**, 216, 637-44	11	33
121	Fractionation of Eucalyptus globulus Wood by Glycerol–Water Pretreatment: Optimization and Modeling. *Industrial & Engineering Chemistry Research*, **2013**, 52, 14342-14352	3.9	33
120	Expression of frutalin, an alpha-D-galactose-binding jacalin-related lectin, in the yeast Pichia pastoris. *Protein Expression and Purification*, **2008**, 60, 188-93	2	33
119	Recombinant expression and purification of the antimicrobial peptide magainin-2. *Biotechnology Progress*, **2013**, 29, 17-22	2.8	32

118	Fermentation of deproteinized cheese whey powder solutions to ethanol by engineered Saccharomyces cerevisiae: effect of supplementation with corn steep liquor and repeated-batch operation with biomass recycling by flocculation. *Journal of Industrial Microbiology and Biotechnology*, **2010**, 37, 973-82	4.2	32
117	Construction of a flocculent Saccharomyces cerevisiae fermenting lactose. *Applied Microbiology and Biotechnology*, **1999**, 51, 621-6	5.7	32
116	Characterization and genome sequencing of a Citrobacter freundii phage CfP1 harboring a lysin active against multidrug-resistant isolates. *Applied Microbiology and Biotechnology*, **2016**, 100, 10543-10553	5.7	32
115	Intensifying ethanol production from brewer's spent grain waste: Use of whole slurry at high solid loadings. *New Biotechnology*, **2019**, 53, 1-8	6.4	31
114	Cell recycling during repeated very high gravity bio-ethanol fermentations using the industrial Saccharomyces cerevisiae strain PE-2. *Biotechnology Letters*, **2012**, 34, 45-53	3	31
113	Expression of Trichoderma reesei cellulases CBHI and EGI in Ashbya gossypii. *Applied Microbiology and Biotechnology*, **2010**, 87, 1437-46	5.7	31
112	Chemical composition and sensory analysis of cheese whey-based beverages using kefir grains as starter culture. *International Journal of Food Science and Technology*, **2011**, 46, 871-878	3.8	30
111	Construction of a flocculent Saccharomyces cerevisiae strain secreting high levels of Aspergillus niger beta-galactosidase. *Applied Microbiology and Biotechnology*, **2002**, 58, 645-50	5.7	30
110	Lignocellulosic bioethanol production with revalorization of low-cost agroindustrial by-products as nutritional supplements. *Industrial Crops and Products*, **2015**, 64, 16-24	5.9	29
109	Escherichia coli expression and purification of four antimicrobial peptides fused to a family 3 carbohydrate-binding module (CBM) from Clostridium thermocellum. *Protein Expression and Purification*, **2008**, 59, 161-8	2	29
108	Systematic approach for the development of fruit wines from industrially processed fruit concentrates, including optimization of fermentation parameters, chemical characterization and sensory evaluation. *LWT - Food Science and Technology*, **2015**, 62, 1043-1052	5.4	28
107	Ohmic heating polyphenolic extracts from vine pruning residue with enhanced biological activity. *Food Chemistry*, **2020**, 316, 126298	8.5	28
106	Evaluation of pituitary and thyroid hormones in patients with subarachnoid hemorrhage due to ruptured intracranial aneurysm. *Arquivos De Neuro-Psiquiatria*, **2003**, 61, 14-9	1.6	27
105	Guidelines to reach high-quality purified recombinant proteins. *Applied Microbiology and Biotechnology*, **2018**, 102, 81-92	5.7	27
104	Biological activity of heterologous murine interleukin-10 and preliminary studies on the use of a dextrin nanogel as a delivery system. *International Journal of Pharmaceutics*, **2010**, 400, 234-42	6.5	26
103	Fermentation of high concentrations of lactose to ethanol by engineered flocculent Saccharomyces cerevisiae. *Biotechnology Letters*, **2008**, 30, 1953-8	3	26
102	Contamination of a high-cell-density continuous bioreactor. *Biotechnology and Bioengineering*, **2000**, 68, 584-7	4.9	26
101	Consolidated bioprocessing of corn cob-derived hemicellulose: engineered industrial as efficient whole cell biocatalysts. *Biotechnology for Biofuels*, **2020**, 13, 138	7.8	26

100	Metabolic engineering of Saccharomyces cerevisiae for the production of top value chemicals from biorefinery carbohydrates. *Biotechnology Advances*, **2021**, 47, 107697	17.8	26
99	Boosting bioethanol production from Eucalyptus wood by whey incorporation. *Bioresource Technology*, **2018**, 250, 256-264	11	25
98	Insights into the economic viability of cellulases recycling on bioethanol production from recycled paper sludge. *Bioresource Technology*, **2018**, 267, 347-355	11	24
97	Determinants on an efficient cellulase recycling process for the production of bioethanol from recycled paper sludge under high solid loadings. *Biotechnology for Biofuels*, **2018**, 11, 111	7.8	24
96	cDNA cloning and functional expression of the alpha-D-galactose-binding lectin frutalin in Escherichia coli. *Molecular Biotechnology*, **2009**, 43, 212-20	3	24
95	Cytotoxic effects of native and recombinant frutalin, a plant galactose-binding lectin, on HeLa cervical cancer cells. *Journal of Biomedicine and Biotechnology*, **2011**, 2011, 568932		24
94	Comparative autohydrolysis study of two mixtures of forest and marginal land resources for co-production of biofuels and value-added compounds. *Renewable Energy*, **2018**, 128, 20-29	8.1	24
93	Relationships between hydrodynamics and rheology of flocculating yeast suspensions in a high-cell-density airlift bioreactor. *Biotechnology and Bioengineering*, **2005**, 89, 393-9	4.9	23
92	The Fh8 tag: a fusion partner for simple and cost-effective protein purification in Escherichia coli. *Protein Expression and Purification*, **2013**, 92, 163-70	2	21
91	Vinegar production from fruit concentrates: effect on volatile composition and antioxidant activity. *Journal of Food Science and Technology*, **2017**, 54, 4112-4122	3.3	20
90	Genome-wide screening of Saccharomyces cerevisiae genes required to foster tolerance towards industrial wheat straw hydrolysates. *Journal of Industrial Microbiology and Biotechnology*, **2014**, 41, 1753-61	4.2	20
89	Engineered for lignocellulosic valorization: a review and perspectives on bioethanol production. *Bioengineered*, **2020**, 11, 883-903	5.7	20
88	Simultaneous Saccharification and Fermentation of Hydrothermal Pretreated Lignocellulosic Biomass: Evaluation of Process Performance Under Multiple Stress Conditions. *Bioenergy Research*, **2016**, 9, 750-762	3.1	19
87	Cre-loxP-based system for removal and reuse of selection markers in Ashbya gossypii targeted engineering. *Fungal Genetics and Biology*, **2014**, 68, 1-8	3.9	19
86	Recombinant production of plant lectins in microbial systems for biomedical application - the frutalin case study. *Frontiers in Plant Science*, **2014**, 5, 390	6.2	19
85	Random and direct mutagenesis to enhance protein secretion in Ashbya gossypii. *Bioengineered*, **2013**, 4, 322-31	5.7	19
84	RAPD and SCAR markers as potential tools for detection of milk origin in dairy products: Adulterant sheep breeds in Serra da Estrela cheese production. *Food Chemistry*, **2016**, 211, 631-6	8.5	19
83	Aqueous solutions of deep eutectic systems as reaction media for the saccharification and fermentation of hardwood xylan into xylitol. *Bioresource Technology*, **2020**, 311, 123524	11	18

82	Effect of hemicellulose liquid phase on the enzymatic hydrolysis of autohydrolyzed Eucalyptus globulus wood. *Biomass Conversion and Biorefinery*, **2014**, 4, 77-86	2.3	18
81	The Effect of the Electric Field on Lag Phase, Galactosidase Production and Plasmid Stability of a Recombinant Saccharomyces cerevisiae Strain Growing on Lactose. *Food and Bioprocess Technology*, **2012**, 5, 3014-3020	5.1	18
80	Development of a sustainable bioprocess based on green technologies for xylitol production from corn cob. *Industrial Crops and Products*, **2020**, 156, 112867	5.9	18
79	Blockage of the pyrimidine biosynthetic pathway affects riboflavin production in Ashbya gossypii. *Journal of Biotechnology*, **2015**, 193, 37-40	3.7	17
78	A comparative study of recombinant and native frutalin binding to human prostate tissues. *BMC Biotechnology*, **2009**, 9, 78	3.5	17
77	Construction of a flocculent brewer s yeast strain secreting Aspergillus niger beta-galactosidase. *Applied Microbiology and Biotechnology*, **2000**, 54, 97-103	5.7	17
76	High-level expression of Aspergillus niger b-galactosidase in Ashbya gossypii. *Biotechnology Progress*, **2014**, 30, 261-68	2.8	16
75	Production of galactosidase from recombinant Saccharomyces cerevisiae grown on lactose. *Journal of Chemical Technology and Biotechnology*, **2004**, 79, 809-815	3.5	16
74	Molecular and functional characterization of an invertase secreted by Ashbya gossypii. *Molecular Biotechnology*, **2014**, 56, 524-34	3	15
73	Microbial lipids from industrial wastes using xylose-utilizing Ashbya gossypii strains. *Bioresource Technology*, **2019**, 293, 122054	11	14
72	Factors affecting extraction of adsorbed wine volatile compounds and wood extractives from used oak wood. *Food Chemistry*, **2019**, 295, 156-164	8.5	14
71	New biotechnological applications for Ashbya gossypii: Challenges and perspectives. *Bioengineered*, **2017**, 8, 309-315	5.7	14
70	Understanding wine sorption by oak wood: Modeling of wine uptake and characterization of volatile compounds retention. *Food Research International*, **2019**, 116, 249-257	7	13
69	Nutritional requirements and strain heterogeneity in Ashbya gossypii. *Journal of Basic Microbiology*, **2012**, 52, 582-9	2.7	13
68	Co-production of biofuels and value-added compounds from industrial Eucalyptus globulus bark residues using hydrothermal treatment. *Fuel*, **2021**, 285, 119265	7.1	13
67	SLMP53-2 Restores Wild-Type-Like Function to Mutant p53 through Hsp70: Promising Activity in Hepatocellular Carcinoma. *Cancers*, **2019**, 11,	6.6	12
66	BSA-based sample clean-up columns for ochratoxin A determination in wine: Method development and validation. *Food Chemistry*, **2019**, 300, 125204	8.5	12
65	Characterization of the Ashbya gossypii secreted N-glycome and genomic insights into its N-glycosylation pathway. *Carbohydrate Research*, **2013**, 381, 19-27	2.9	12

64	Development of a strategy to functionalize a dextrin-based hydrogel for animal cell cultures using a starch-binding module fused to RGD sequence. *BMC Biotechnology*, **2008**, 8, 78	3.5	12
63	Enzyme immobilization as a strategy towards efficient and sustainable lignocellulosic biomass conversion into chemicals and biofuels: current status and perspectives. *Sustainable Energy and Fuels*, **2021**, 5, 4233-4247	5.8	12
62	Metabolic engineering of Ashbya gossypii for deciphering the de novo biosynthesis of lactones. *Microbial Cell Factories*, **2019**, 18, 62	6.4	11
61	Recombinant family 3 carbohydrate-binding module as a new additive for enhanced enzymatic saccharification of whole slurry from autohydrolyzed Eucalyptus globulus wood. *Cellulose*, **2018**, 25, 2505-2514	5.5	11
60	Plasmid-mediate transfer of FLO1 into industrial Saccharomyces cerevisiae PE-2 strain creates a strain useful for repeat-batch fermentations involving flocculation-sedimentation. *Bioresource Technology*, **2012**, 108, 162-8	11	11
59	Genome-wide metabolic re-annotation of Ashbya gossypii: new insights into its metabolism through a comparative analysis with Saccharomyces cerevisiae and Kluyveromyces lactis. *BMC Genomics*, **2014**, 15, 810	4.5	11
58	The Crystal Structure of the R280K Mutant of Human p53 Explains the Loss of DNA Binding. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	11
57	Valorization of Wastes From Agrofood and Pulp and Paper Industries Within the Biorefinery Concept: Southwestern Europe Scenario **2018**, 487-504		10
56	Modification of paper properties using carbohydrate-binding module 3 from the Clostridium thermocellum CipA scaffolding protein produced in Pichia pastoris: elucidation of the glycosylation effect. *Cellulose*, **2015**, 22, 2755-2765	5.5	10
55	Bacterial Activity in Heavy Metals Polluted Soils: Metal Efflux Systems in Native Rhizobial Strains. *Geomicrobiology Journal*, **2009**, 26, 281-288	2.5	10
54	Volatile fingerprinting differentiates diverse-aged craft beers. *LWT - Food Science and Technology*, **2019**, 108, 129-136	5.4	9
53	Validation of a LLME/GC-MS Methodology for Quantification of Volatile Compounds in Fermented Beverages. *Molecules*, **2020**, 25,	4.8	9
52	Enhanced heterologous protein production in Pichia pastoris under increased air pressure. *Biotechnology Progress*, **2014**, 30, 1040-7	2.8	9
51	Differential proteomic analysis by SWATH-MS unravels the most dominant mechanisms underlying yeast adaptation to non-optimal temperatures under anaerobic conditions. *Scientific Reports*, **2020**, 10, 22329	4.9	9
50	SLMP53-1 interacts with wild-type and mutant p53 DNA-binding domain and reactivates multiple hotspot mutations. *Biochimica Et Biophysica Acta - General Subjects*, **2020**, 1864, 129440	4	9
49	Investigation of protein secretion and secretion stress in Ashbya gossypii. *BMC Genomics*, **2014**, 15, 1137	4.5	8
48	Differentiation of human pre-adipocytes by recombinant adiponectin. *Protein Expression and Purification*, **2008**, 59, 122-6	2	8
47	Stimulation of zero-trans rates of lactose and maltose uptake into yeasts by preincubation with hexose to increase the adenylate energy charge. *Applied and Environmental Microbiology*, **2008**, 74, 3076-84	4.8	8

46	Comparative transcriptome analysis between original and evolved recombinant lactose-consuming Saccharomyces cerevisiae strains. *Biotechnology Journal*, **2008**, 3, 1591-7	5.6	8
45	Strategies towards Reduction of Cellulases Consumption: Debottlenecking the Economics of Lignocellulosics Valorization Processes. *Polysaccharides*, **2021**, 2, 287-310	3	8
44	Cell surface engineering of Saccharomyces cerevisiae for simultaneous valorization of corn cob and cheese whey via ethanol production. *Energy Conversion and Management*, **2021**, 243, 114359	10.6	8
43	Selection and subsequent physiological characterization of industrial strains during continuous growth at sub- and- supra optimal temperatures. *Biotechnology Reports (Amsterdam, Netherlands)*, **2020**, 26, e00462	5.3	7
42	Very High Gravity Bioethanol Revisited: Main Challenges and Advances. *Fermentation*, **2021**, 7, 38	4.7	7
41	Hemicellulosic Bioethanol Production from Fast-Growing Paulownia Biomass. *Processes*, **2021**, 9, 173	2.9	6
40	Microbial Biosynthesis of Lactones: Gaps and Opportunities towards Sustainable Production. *Applied Sciences (Switzerland)*, **2021**, 11, 8500	2.6	6
39	Influence of trace elements supplementation on the production of recombinant frutalin by Pichia pastoris KM71H in fed-batch process. *Chemical Papers*, **2013**, 67,	1.9	5
38	The inhibitory effect of an RGD-human chitin-binding domain fusion protein on the adhesion of fibroblasts to reacetylated chitosan films. *Molecular Biotechnology*, **2008**, 40, 269-79	3	5
37	A selective p53 activator and anticancer agent to improve colorectal cancer therapy. *Cell Reports*, **2021**, 35, 108982	10.6	5
36	Tag-mediated single-step purification and immobilization of recombinant proteins toward protein-engineered advanced materials.. *Journal of Advanced Research*, **2022**, 36, 249-264	13	5
35	Valorization of lignocellulosic-based wastes **2020**, 383-410		4
34	Nonthyroidal illness syndrome in patients with subarachnoid hemorrhage due to intracranial aneurysm. *Arquivos De Neuro-Psiquiatria*, **2004**, 62, 26-32	1.6	4
33	Transformation of a flocculating Saccharomyces cerevisiae using lithium acetate and pYAC4. *Journal of Basic Microbiology*, **1999**, 39, 37-41	2.7	4
32	Magnetic Nanoparticles as Support for Cellulase Immobilization Strategy for Enzymatic Hydrolysis Using Hydrothermally Pretreated Corn Cob Biomass. *Bioenergy Research*,1	3.1	4
31	Physiological characterization of a pyrimidine auxotroph exposes link between uracil phosphoribosyltransferase regulation and riboflavin production in Ashbya gossypii. *New Biotechnology*, **2019**, 50, 1-8	6.4	4
30	Evaluation of multi-starter S. cerevisiae/ D. bruxellensis cultures for mimicking and accelerating transformations occurring during barrel ageing of beer. *Food Chemistry*, **2020**, 323, 126826	8.5	4
29	Biotechnological Advancements, Innovations and Challenges for Sustainable Xylitol Production by Yeast **2021**, 420-427		4

28	Light exposure during growth increases riboflavin production, reactive oxygen species accumulation and DNA damage in Ashbya gossypii riboflavin-overproducing strains. *FEMS Yeast Research*, **2019**, 19,	3.1	4
27	Principles of Genetic Engineering **2017**, 81-127		3
26	Rapid and sensitive detection of b-galactosidase-producing yeasts by using microtiter plate assay. *Biotechnology Letters*, **1997**, 11, 399-402		3
25	Production of Hemicellulases, Xylitol, and Furan from Hemicellulosic Hydrolysates Using Hydrothermal Pretreatment **2017**, 285-315		3
24	Differential proteomic analysis by SWATH-MS unravels the most dominant mechanisms underlying yeast adaptation to non-optimal temperatures under anaerobic conditions		3
23	Ohmic Heating Extract of Vine Pruning Residue Has Anti-Colorectal Cancer Activity and Increases Sensitivity to the Chemotherapeutic Drug 5-FU. *Foods*, **2020**, 9,	4.9	3
22	DNA-based approaches for dairy products authentication: A review and perspectives. *Trends in Food Science and Technology*, **2021**, 109, 386-397	15.3	3
21	Resveratrol Production from Hydrothermally Pretreated Eucalyptus Wood Using Recombinant Industrial Strains. *ACS Synthetic Biology*, **2021**, 10, 1895-1903	5.7	3
20	L-lactic acid production from multi-supply autohydrolyzed economically unexploited lignocellulosic biomass. *Industrial Crops and Products*, **2021**, 170, 113775	5.9	3
19	Galactose to tagatose isomerization by the l-arabinose isomerase from Bacillus subtilis: A biorefinery approach for Gelidium sesquipedale valorisation. *LWT - Food Science and Technology*, **2021**, 151, 112199	5.4	3
18	Economic determinants on the implementation of a Eucalyptus wood biorefinery producing biofuels, energy and high added-value compounds. *Applied Energy*, **2021**, 303, 117662	10.7	3
17	Production and Bioengineering of Recombinant Pharmaceuticals **2019**, 259-293		2
16	A novel adjuvant-free H fusion system for the production of recombinant immunogens in Escherichia coli: Its application to a 12 kDa antigen from Cryptosporidium parvum. *Bioengineered*, **2013**, 4, 413-9	5.7	2
15	Kinetics of lactose fermentation using a recombinant Saccharomyces cerevisiae strain. *Biotechnology and Bioengineering*, **2006**, 94, 1147-54	4.9	2
14	Selection and subsequent physiological characterisation of industrial Saccharomyces cerevisiae strains during continuous growth at sub- and- supra optimal temperatures		2
13	Synthesis of Fusion Genes for Cloning by Megaprimer-Based PCR. *Methods in Molecular Biology*, **2017**, 1620, 101-112	1.4	2
12	Production of a Distilled Spirit Using Cassava Flour as Raw Material: Chemical Characterization and Sensory Profile. *Molecules*, **2020**, 25,	4.8	2
11	Reuse of oak chips for modification of the volatile fraction of alcoholic beverages. *LWT - Food Science and Technology*, **2021**, 135, 110046	5.4	2

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10	RAPD/SCAR Approaches for Identification of Adulterant BreedsTMilk in Dairy Products. *Methods in Molecular Biology*, **2017**, 1620, 183-193	1.4	1
9	Cells Lacking the Zinc Vacuolar Transporter Zrt3 Display Improved Ethanol Productivity in Lignocellulosic Hydrolysates.. *Journal of Fungi (Basel, Switzerland)*, **2022**, 8,	5.6	1
8	Whole Cell Biocatalysis of 5-Hydroxymethylfurfural for Sustainable Biorefineries. *Catalysts*, **2022**, 12, 202	4	1
7	Establishment of as a Microbial Cell Factory for Lignocellulosic Processes: Production of High Value Furan Derivatives.. *Journal of Fungi (Basel, Switzerland)*, **2021**, 7,	5.6	1
6	Expression of Yarrowia lipolytica acetyl-CoA carboxylase in Saccharomyces cerevisiae and its effect on in-vivo accumulation of Malonyl-CoA. *Computational and Structural Biotechnology Journal*, **2022**, 20, 779-787	6.8	0
5	Bare silica as an alternative matrix for affinity purification/immobilization of His-tagged proteins. *Separation and Purification Technology*, **2022**, 286, 120448	8.3	0
4	Genome-wide effect of non-optimal temperatures under anaerobic conditions on gene expression in Saccharomyces cerevisiae.. *Genomics*, **2022**, 110386	4.3	0
3	Integrated technologies for extractives recovery, fractionation, and bioethanol production from lignocellulose **2022**, 107-139		
2	Dairy. *Contemporary Food Engineering*, **2013**, 295-326		
1	Orotic acid production from crude glycerol by engineered Ashbya gossypii. *Bioresource Technology Reports*, **2022**, 17, 100992	4.1	