LucÃ-lia Domingues

List of Publications by Year
in descending order

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Version: 2024-02-01

176	7,161	53789 45	79691 73
papers	citations	h-index	g-index

183	183	183	7563
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Technological trends, global market, and challenges of bio-ethanol production. Biotechnology Advances, 2010, 28, 817-830.	11.7	585
2	Fermentation of lactose to bio-ethanol by yeasts as part of integrated solutions for the valorisation of cheese whey. Biotechnology Advances, 2010, 28, 375-384.	11.7	351
3	Fusion tags for protein solubility, purification and immunogenicity in Escherichia coli: the novel Fh8 system. Frontiers in Microbiology, 2014, 5, 63.	3.5	295
4	Wound healing activity of the human antimicrobial peptide LL37. Peptides, 2011, 32, 1469-1476.	2.4	203
5	Recombinant microbial systems for improved Î²-galactosidase production and biotechnological applications. Biotechnology Advances, 2011, 29, 600-609.	11.7	135
6	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, 4034-4041.	8.3	134
7	Optimization of low-cost medium for very high gravity ethanol fermentations by Saccharomyces cerevisiae using statistical experimental designs. Bioresource Technology, 2010, 101, 7856-7863.	9.6	129
8	Xylose fermentation efficiency of industrial Saccharomyces cerevisiae yeast with separate or combined xylose reductase/xylitol dehydrogenase and xylose isomerase pathways. Biotechnology for Biofuels, 2019, 12, 20.	6.2	114
9	Recombinant CBM-fusion technology â€" Applications overview. Biotechnology Advances, 2015, 33, 358-369.	11.7	110
10	Molecular and physiological basis of Saccharomyces cerevisiae tolerance to adverse lignocellulose-based process conditions. Applied Microbiology and Biotechnology, 2019, 103, 159-175.	3.6	104
11	Production of fermented cheese whey-based beverage using kefir grains as starter culture: Evaluation of morphological and microbial variations. Bioresource Technology, 2010, 101, 8843-8850.	9.6	92
12	Industrial robust yeast isolates with great potential for fermentation of lignocellulosic biomass. Bioresource Technology, 2014, 161, 192-199.	9.6	90
13	Recent trends on seaweed fractionation for liquid biofuels production. Bioresource Technology, 2020, 299, 122613.	9.6	83
14	Adaptive Evolution of a Lactose-Consuming Saccharomyces cerevisiae Recombinant. Applied and Environmental Microbiology, 2008, 74, 1748-1756.	3.1	82
15	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.	8.2	79
16	Alcohol production from cheese whey permeate using genetically modified flocculent yeast cells. Biotechnology and Bioengineering, 2001, 72, 507-514.	3.3	77
17	Improving the affinity of fibroblasts for bacterial cellulose using carbohydrateâ€binding modules fused to RGD. Journal of Biomedical Materials Research - Part A, 2010, 92A, 9-17.	4.0	75
18	Metabolic engineering of Saccharomyces cerevisiae ethanol strains PE-2 and CAT-1 for efficient lignocellulosic fermentation. Bioresource Technology, 2015, 179, 150-158.	9.6	74

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19	Integral valorization of vine pruning residue by sequential autohydrolysis stages. Journal of Cleaner Production, 2017, 168, 74-86.	9.3	72
20	Evaluation of strategies for second generation bioethanol production from fast growing biomass Paulownia within a biorefinery scheme. Applied Energy, 2017, 187, 777-789.	10.1	70
21	On the track for an efficient detection of Escherichia coli in water: A review on PCR-based methods. Ecotoxicology and Environmental Safety, 2015, 113, 400-411.	6.0	68
22	Bacterial cellulose modified using recombinant proteins to improve neuronal and mesenchymal cell adhesion. Biotechnology Progress, 2012, 28, 526-532.	2.6	67
23	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, 6779-6791.	3.6	67
24	Integrated approach for effective bioethanol production using whole slurry from autohydrolyzed Eucalyptus globulus wood at high-solid loadings. Fuel, 2014, 135, 482-491.	6.4	67
25	Xylitol production from lignocellulosic whole slurry corn cob by engineered industrial Saccharomyces cerevisiae PE-2. Bioresource Technology, 2018, 267, 481-491.	9.6	67
26	Metabolic engineering of Saccharomyces cerevisiae for the production of top value chemicals from biorefinery carbohydrates. Biotechnology Advances, 2021, 47, 107697.	11.7	67
27	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.	9.6	66
28	Metabolic engineering ofSaccharomyces cerevisiaefor lactose/whey fermentation. Bioengineered Bugs, 2010, 1, 164-171.	1.7	65
29	Valorization of Eucalyptus wood by glycerol-organosolv pretreatment within the biorefinery concept: An integrated and intensified approach. Renewable Energy, 2016, 95, 1-9.	8.9	65
30	Cellulase recycling in biorefineriesâ€"is it possible?. Applied Microbiology and Biotechnology, 2015, 99, 4131-4143.	3.6	64
31	Virtual laboratories in (bio)chemical engineering education. Education for Chemical Engineers, 2010, 5, e22-e27.	4.8	59
32	Third generation bioethanol from invasive macroalgae Sargassum muticum using autohydrolysis pretreatment as first step of a biorefinery. Renewable Energy, 2019, 141, 728-735.	8.9	59
33	Bioactive compounds recovery optimization from vine pruning residues using conventional heating and microwave-assisted extraction methods. Industrial Crops and Products, 2019, 132, 99-110.	5.2	59
34	Valorization of Eucalyptus nitens bark by organosolv pretreatment for the production of advanced biofuels. Industrial Crops and Products, 2019, 132, 327-335.	5.2	59
35	Applications of yeast flocculation in biotechnological processes. Biotechnology and Bioprocess Engineering, 2000, 5, 288-305.	2.6	58
36	Aspergillus niger Î²-galactosidase production by yeast in a continuous high cell density reactor. Process Biochemistry, 2005, 40, 1151-1154.	3.7	58

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37	Robust industrial Saccharomyces cerevisiae strains for very high gravity bio-ethanol fermentations. Journal of Bioscience and Bioengineering, 2011, 112, 130-136.	2.2	58
38	Engineered Saccharomyces cerevisiae for lignocellulosic valorization: a review and perspectives on bioethanol production. Bioengineered, 2020, 11, 883-903.	3.2	57
39	Continuous ethanol fermentation of lactose by a recombinant flocculatingSaccharomyces cerevisiae strain. , 1999, 64, 692-697.		56
40	Consolidated bioprocessing of corn cob-derived hemicellulose: engineered industrial Saccharomyces cerevisiae as efficient whole cell biocatalysts. Biotechnology for Biofuels, 2020, 13, 138.	6.2	56
41	Studies of a pervaporation reactor: Kinetics and equilibrium shift in benzyl alcohol acetylation. Chemical Engineering Science, 1999, 54, 1461-1465.	3.8	55
42	Polycystic ovary syndrome and hyperprolactinemia are distinct entities. Gynecological Endocrinology, 2007, 23, 267-272.	1.7	55
43	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.	3.6	54
44	Ohmic heating polyphenolic extracts from vine pruning residue with enhanced biological activity. Food Chemistry, 2020, 316, 126298.	8.2	53
45	Selection of Saccharomyces cerevisiae strains for efficient very high gravity bio-ethanol fermentation processes. Biotechnology Letters, 2010, 32, 1655-1661.	2.2	50
46	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.	9.6	50
47	Intensifying ethanol production from brewerâ€™s spent grain waste: Use of whole slurry at high solid loadings. New Biotechnology, 2019, 53, 1-8.	4.4	49
48	Boosting bioethanol production from Eucalyptus wood by whey incorporation. Bioresource Technology, 2018, 250, 256-264.	9.6	47
49	Ashbya gossypii beyond industrial riboflavin production: A historical perspective and emerging biotechnological applications. Biotechnology Advances, 2015, 33, 1774-1786.	11.7	46
50	Guidelines to reach high-quality purified recombinant proteins. Applied Microbiology and Biotechnology, 2018, 102, 81-92.	3.6	46
51	Application of the Cre-loxP system for multiple gene disruption in the yeast Kluyveromyces marxianus. Journal of Biotechnology, 2007, 131, 20-26.	3.8	45
52	Combined alkali and hydrothermal pretreatments for oat straw valorization within a biorefinery concept. Bioresource Technology, 2016, 220, 323-332.	9.6	45
53	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.	6.2	44
54	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.	4.9	42

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55	Recombinant lectins: an array of tailor-made glycan-interaction biosynthetic tools. Critical Reviews in Biotechnology, 2013, 33, 66-80.	9.0	41
56	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, 973-982.	3.0	40
57	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.	3.6	40
58	Construction of a flocculent Saccharomyces cerevisiae fermenting lactose. Applied Microbiology and Biotechnology, 1999, 51, 621-626.	3.6	39
59	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.	1.3	39
60	Chemical composition and sensory analysis of cheese wheyâ€based beverages using kefir grains as starter culture. International Journal of Food Science and Technology, 2011, 46, 871-878.	2.7	38
61	Development of a sustainable bioprocess based on green technologies for xylitol production from corn cob. Industrial Crops and Products, 2020, 156, 112867.	5.2	38
62	Development of stable flocculent Saccharomyces cerevisiae strain for continuous Aspergillus niger Î²-galactosidase production. Journal of Bioscience and Bioengineering, 2007, 103, 318-324.	2.2	37
63	Recombinant expression and purification of the antimicrobial peptide magaininâ€2. Biotechnology Progress, 2013, 29, 17-22.	2.6	37
64	Fractionation ofEucalyptus globulusWood by Glycerolâ€“Water Pretreatment: Optimization and Modeling. Industrial & Engineering Chemistry Research, 2013, 52, 14342-14352.	3.7	37
65	Valorizing recycled paper sludge by a bioethanol production process with cellulase recycling. Bioresource Technology, 2016, 216, 637-644.	9.6	36
66	Tag-mediated single-step purification and immobilization of recombinant proteins toward protein-engineered advanced materials. Journal of Advanced Research, 2022, 36, 249-264.	9.5	36
67	Construction of a flocculent Saccharomyces cerevisiae strain secreting high levels of Aspergillus niger Î²-galactosidase. Applied Microbiology and Biotechnology, 2002, 58, 645-650.	3.6	35
68	Expression of frutalin, an Î±-d-galactose-binding jacalin-related lectin, in the yeast Pichia pastoris. Protein Expression and Purification, 2008, 60, 188-193.	1.3	35
69	Cell recycling during repeated very high gravity bio-ethanol fermentations using the industrial Saccharomyces cerevisiae strain PE-2. Biotechnology Letters, 2012, 34, 45-53.	2.2	35
70	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.	5.2	35
71	Evaluation of pituitary and thyroid hormones in patients with subarachnoid hemorrhage due to ruptured intracranial aneurysm. Arquivos De Neuro-Psiquiatria, 2003, 61, 14-19.	0.8	34
72	Fermentation of high concentrations of lactose to ethanol by engineered flocculent Saccharomyces cerevisiae. Biotechnology Letters, 2008, 30, 1953-1958.	2.2	33

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73	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.	8.9	33
74	The Fh8 tag: A fusion partner for simple and cost-effective protein purification in Escherichia coli. Protein Expression and Purification, 2013, 92, 163-170.	1.3	32
75	Lignocellulosic bioethanol production with revalorization of low-cost agroindustrial by-products as nutritional supplements. Industrial Crops and Products, 2015, 64, 16-24.	5.2	32
76	Aqueous solutions of deep eutectic systems as reaction media for the saccharification and fermentation of hardwood xylan into xylitol. Bioresource Technology, 2020, 311, 123524.	9.6	32
77	Expression of Trichoderma reesei cellulases CBHI and EGI in Ashbya gossypii. Applied Microbiology and Biotechnology, 2010, 87, 1437-1446.	3.6	31
78	Random and direct mutagenesis to enhance protein secretion inAshbya gossypii. Bioengineered, 2013, 4, 322-331.	3.2	31
79	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, 161-168.	1.3	30
80	Cytotoxic Effects of Native and Recombinant Frutalin, a Plant Galactose-Binding Lectin, on HeLa Cervical Cancer Cells. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-9.	3.0	30
81	Genome-wide screening of Saccharomyces cerevisiae genes required to foster tolerance towards industrial wheat straw hydrolysates. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 1753-1761.	3.0	30
82	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, 234-242.	5.2	29
83	Vinegar production from fruit concentrates: effect on volatile composition and antioxidant activity. Journal of Food Science and Technology, 2017, 54, 4112-4122.	2.8	29
84	Insights into the economic viability of cellulases recycling on bioethanol production from recycled paper sludge. Bioresource Technology, 2018, 267, 347-355.	9.6	29
85	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.	6.2	29
86	Co-production of biofuels and value-added compounds from industrial Eucalyptus globulus bark residues using hydrothermal treatment. Fuel, 2021, 285, 119265.	6.4	29
87	Contamination of a high-cell-density continuous bioreactor. , 2000, 68, 584-587.		28
88	Relationships between hydrodynamics and rheology of flocculating yeast suspensions in a high-cell-density airlift bioreactor. Biotechnology and Bioengineering, 2005, 89, 393-399.	3.3	27
89	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.	9.2	27
90	Microbial Biosynthesis of Lactones: Gaps and Opportunities towards Sustainable Production. Applied Sciences (Switzerland), 2021, 11, 8500.	2.5	27

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91	cDNA Cloning and Functional Expression of the Î±-d-Galactose-Binding Lectin Frutalin in Escherichia coli. Molecular Biotechnology, 2009, 43, 212-220.	2.4	26
92	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, 631-636.	8.2	26
93	Effect of hemicellulose liquid phase on the enzymatic hydrolysis of autohydrolyzed Eucalyptus globulus wood. Biomass Conversion and Biorefinery, 2014, 4, 77-86.	4.6	23
94	Cre-loxP-based system for removal and reuse of selection markers in Ashbya gossypii targeted engineering. Fungal Genetics and Biology, 2014, 68, 1-8.	2.1	23
95	The Crystal Structure of the R280K Mutant of Human p53 Explains the Loss of DNA Binding. International Journal of Molecular Sciences, 2018, 19, 1184.	4.1	23
96	Factors affecting extraction of adsorbed wine volatile compounds and wood extractives from used oak wood. Food Chemistry, 2019, 295, 156-164.	8.2	23
97	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.	3.3	22
98	Construction of a flocculent brewer's yeast strain secreting Aspergillus niger Î²-galactosidase. Applied Microbiology and Biotechnology, 2000, 54, 97-103.	3.6	21
99	Simultaneous Saccharification and Fermentation of Hydrothermal Pretreated Lignocellulosic Biomass: Evaluation of Process Performance Under Multiple Stress Conditions. Bioenergy Research, 2016, 9, 750-762.	3.9	21
100	SLMP53-2 Restores Wild-Type-Like Function to Mutant p53 through Hsp70: Promising Activity in Hepatocellular Carcinoma. Cancers, 2019, 11, 1151.	3.7	21
101	DNA-based approaches for dairy products authentication: A review and perspectives. Trends in Food Science and Technology, 2021, 109, 386-397.	15.1	21
102	Very High Gravity Bioethanol Revisited: Main Challenges and Advances. Fermentation, 2021, 7, 38.	3.0	21
103	Recombinant production of plant lectins in microbial systems for biomedical application Ã¢â‚¬â€œ the frutalin case study. Frontiers in Plant Science, 2014, 5, 390.	3.6	20
104	Microbial lipids from industrial wastes using xylose-utilizing Ashbya gossypii strains. Bioresource Technology, 2019, 293, 122054.	9.6	20
105	A selective p53 activator and anticancer agent to improve colorectal cancer therapy. Cell Reports, 2021, 35, 108982.	6.4	20
106	Magnetic Nanoparticles as Support for Cellulase Immobilization Strategy for Enzymatic Hydrolysis Using Hydrothermally Pretreated Corn Cob Biomass. Bioenergy Research, 2022, 15, 1946-1957.	3.9	20
107	The Effect of the Electric Field on Lag Phase, Î²-Galactosidase Production and Plasmid Stability of a Recombinant Saccharomyces cerevisiae Strain Growing on Lactose. Food and Bioprocess Technology, 2012, 5, 3014-3020.	4.7	19
108	Understanding wine sorption by oak wood: Modeling of wine uptake and characterization of volatile compounds retention. Food Research International, 2019, 116, 249-257.	6.2	19

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109	Selection and subsequent physiological characterization of industrial Saccharomyces cerevisiae strains during continuous growth at sub- and- supra optimal temperatures. Biotechnology Reports (Amsterdam, Netherlands), 2020, 26, e00462.	4.4	19
110	Validation of a LLME/GC-MS Methodology for Quantification of Volatile Compounds in Fermented Beverages. Molecules, 2020, 25, 621.	3.8	19
111	Current Options in the Valorisation of Vine Pruning Residue for the Production of Biofuels, Biopolymers, Antioxidants, and Bio-Composites following the Concept of Biorefinery: A Review. Polymers, 2022, 14, 1640.	4.5	19
112	A comparative study of recombinant and native frutalin binding to human prostate tissues. BMC Biotechnology, 2009, 9, 78.	3.3	18
113	Blockage of the pyrimidine biosynthetic pathway affects riboflavin production in Ashbya gossypii. Journal of Biotechnology, 2015, 193, 37-40.	3.8	18
114	Strategies towards Reduction of Cellulases Consumption: Debottlenecking the Economics of Lignocellulosics Valorization Processes. Polysaccharides, 2021, 2, 287-310.	4.8	18
115	L-lactic acid production from multi-supply autohydrolyzed economically unexploited lignocellulosic biomass. Industrial Crops and Products, 2021, 170, 113775.	5.2	18
116	Production ofÎ²-galactosidase from recombinantSaccharomyces cerevisiae grown on lactose. Journal of Chemical Technology and Biotechnology, 2004, 79, 809-815.	3.2	17
117	Highâ€level expression of Aspergillus niger Î²â€galactosidase in Ashbya gossypii. Biotechnology Progress, 2014, 30, 261-268.	2.6	17
118	New biotechnological applications forAshbya gossypii: Challenges and perspectives. Bioengineered, 2017, 8, 309-315.	3.2	17
119	Metabolic engineering of Ashbya gossypii for deciphering the de novo biosynthesis of Î³-lactones. Microbial Cell Factories, 2019, 18, 62.	4.0	17
120	Volatile fingerprinting differentiates diverse-aged craft beers. LWT - Food Science and Technology, 2019, 108, 129-136.	5.2	17
121	Resveratrol Production from Hydrothermally Pretreated Eucalyptus Wood Using Recombinant Industrial Saccharomyces cerevisiae Strains. ACS Synthetic Biology, 2021, 10, 1895-1903.	3.8	17
122	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.	5.2	16
123	Establishment of Kluyveromyces marxianus as a Microbial Cell Factory for Lignocellulosic Processes: Production of High Value Furan Derivatives. Journal of Fungi (Basel, Switzerland), 2021, 7, 1047.	3.5	16
124	Molecular and Functional Characterization of an Invertase Secreted by Ashbya gossypii. Molecular Biotechnology, 2014, 56, 524-534.	2.4	15
125	BSA-based sample clean-up columns for ochratoxin A determination in wine: Method development and validation. Food Chemistry, 2019, 300, 125204.	8.2	15
126	Yeast cell factories for sustainable whey-to-ethanol valorisation towards a circular economy. Biofuel Research Journal, 2021, 8, 1529-1549.	13.3	15

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127	Nutritional requirements and strain heterogeneity in Ashbya gossypii. Journal of Basic Microbiology, 2012, 52, 582-589.	3.3	14
128	Enhanced heterologous protein production in <scp>P</scp>ichia pastoris under increased air pressure. Biotechnology Progress, 2014, 30, 1040-1047.	2.6	14
129	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.	4.9	14
130	Hemicellulosic Bioethanol Production from Fast-Growing Paulownia Biomass. Processes, 2021, 9, 173.	2.8	14
131	Plasmid-mediate transfer of FLO1 into industrial Saccharomyces cerevisiae PE-2 strain creates a strain useful for repeat-batch fermentations involving flocculationâ€“sedimentation. Bioresource Technology, 2012, 108, 162-168.	9.6	13
132	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.	2.8	13
133	Physiological characterization of a pyrimidine auxotroph exposes link between uracil phosphoribosyltransferase regulation and riboflavin production in Ashbya gossypii. New Biotechnology, 2019, 50, 1-8.	4.4	13
134	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.	2.4	13
135	Whole Cell Biocatalysis of 5-Hydroxymethylfurfural for Sustainable Biorefineries. Catalysts, 2022, 12, 202.	3.5	13
136	Resveratrol production for the valorisation of lactose-rich wastes by engineered industrial Saccharomyces cerevisiae. Bioresource Technology, 2022, 359, 127463.	9.6	13
137	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.	3.3	12
138	Characterization of the Ashbya gossypii secreted N-glycome and genomic insights into its N-glycosylation pathway. Carbohydrate Research, 2013, 381, 19-27.	2.3	12
139	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.	4.9	12
140	Economic determinants on the implementation of a Eucalyptus wood biorefinery producing biofuels, energy and high added-value compounds. Applied Energy, 2021, 303, 117662.	10.1	12
141	Comparative transcriptome analysis between original and evolved recombinant lactoseâ€consuming Saccharomyces cerevisiae strains. Biotechnology Journal, 2008, 3, 1591-1597.	3.5	11
142	Differentiation of human pre-adipocytes by recombinant adiponectin. Protein Expression and Purification, 2008, 59, 122-126.	1.3	11
143	Bacterial Activity in Heavy Metals Polluted Soils: Metal Efflux Systems in Native Rhizobial Strains. Geomicrobiology Journal, 2009, 26, 281-288.	2.0	11
144	Valorization of lignocellulosic-based wastes. , 2020, , 383-410.		11

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145	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, 3076-3084.	3.1	10
146	Valorization of Wastes From Agrofood and Pulp and Paper Industries Within the Biorefinery Concept: Southwestern Europe Scenario. , 2018, , 487-504.		10
147	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.	4.1	10
148	Nonthyroidal illness syndrome in patients with subarachnoid hemorrhage due to intracranial aneurysm. Arquivos De Neuro-Psiquiatria, 2004, 62, 26-32.	0.8	9
149	Investigation of protein secretion and secretion stress in Ashbya gossypii. BMC Genomics, 2014, 15, 1137.	2.8	9
150	Bare silica as an alternative matrix for affinity purification/immobilization of His-tagged proteins. Separation and Purification Technology, 2022, 286, 120448.	7.9	8
151	Rapid and sensitive detection of b-galactosidase-producing yeasts by using microtiter plate assay. Biotechnology Letters, 1997, 11, 399-402.	0.5	7
152	Ohmic Heating Extract of Vine Pruning Residue Has Anti-Colorectal Cancer Activity and Increases Sensitivity to the Chemotherapeutic Drug 5-FU. Foods, 2020, 9, 1102.	4.3	7
153	Transformation of a flocculatingSaccharomyces cerevisiae using lithium acetate and pYAC4. Journal of Basic Microbiology, 1999, 39, 37-41.	3.3	6
154	Production of a Distilled Spirit Using Cassava Flour as Raw Material: Chemical Characterization and Sensory Profile. Molecules, 2020, 25, 3228.	3.8	6
155	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.	8.2	6
156	Reuse of oak chips for modification of the volatile fraction of alcoholic beverages. LWT - Food Science and Technology, 2021, 135, 110046.	5.2	6
157	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, 269-279.	2.4	5
158	Influence of trace elements supplementation on the production of recombinant frutalin by Pichia pastoris KM71H in fed-batch process. Chemical Papers, 2013, 67, .	2.2	5
159	Light exposure during growth increases riboflavin production, ROS accumulation and DNA damage in Ashbya gossypii riboflavin-overproducing strains. FEMS Yeast Research, 2019, 19, .	2.3	5
160	Production of Hemicellulases, Xylitol, and Furan from Hemicellulosic Hydrolysates Using Hydrothermal Pretreatment. , 2017, , 285-315.		5
161	Genome-wide effect of non-optimal temperatures under anaerobic conditions on gene expression in Saccharomyces cerevisiae. Genomics, 2022, 114, 110386.	2.9	5
162	Strategic combination of different promoters in lactose metabolisation and host chassis selection for high bioethanol titres from dairy wastes. Bioresource Technology Reports, 2022, 19, 101131.	2.7	5

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163	RAPD/SCAR Approaches for Identification of Adulterant Breedsâ€™ Milk in Dairy Products. Methods in Molecular Biology, 2017, 1620, 183-193.	0.9	4
164	Biotechnological Advancements, Innovations and Challenges for Sustainable Xylitol Production by Yeast. , 2021, , 420-427.		4
165	Kinetics of lactose fermentation using a recombinantSaccharomyces cerevisiae strain. Biotechnology and Bioengineering, 2006, 94, 1147-1154.	3.3	3
166	Principles of Genetic Engineering. , 2017, , 81-127.		3
167	Production and Bioengineering of Recombinant Pharmaceuticals. , 2019, , 259-293.		3
168	Synthesis of Fusion Genes for Cloning by Megaprimer-Based PCR. Methods in Molecular Biology, 2017, 1620, 101-112.	0.9	3
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