

Lucia Domingues

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Expression of <i>Yarrowia lipolytica</i> acetyl-CoA carboxylase in <i>Saccharomyces cerevisiae</i> and its effect on in-vivo accumulation of Malonyl-CoA. <i>Computational and Structural Biotechnology Journal</i> , 2022 , 20, 779-787	6.8	0
170	Integrated technologies for extractives recovery, fractionation, and bioethanol production from lignocellulose 2022 , 107-139		
169	Cells Lacking the Zinc Vacuolar Transporter Zrt3 Display Improved Ethanol Productivity in Lignocellulosic Hydrolysates.. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8,	5.6	1
168	Whole Cell Biocatalysis of 5-Hydroxymethylfurfural for Sustainable Biorefineries. <i>Catalysts</i> , 2022 , 12, 202	4	1
167	Bare silica as an alternative matrix for affinity purification/immobilization of His-tagged proteins. <i>Separation and Purification Technology</i> , 2022 , 286, 120448	8.3	0
166	Tag-mediated single-step purification and immobilization of recombinant proteins toward protein-engineered advanced materials.. <i>Journal of Advanced Research</i> , 2022 , 36, 249-264	13	5
165	Orotic acid production from crude glycerol by engineered <i>Ashbya gossypii</i> . <i>Bioresource Technology Reports</i> , 2022 , 17, 100992	4.1	
164	Genome-wide effect of non-optimal temperatures under anaerobic conditions on gene expression in <i>Saccharomyces cerevisiae</i> .. <i>Genomics</i> , 2022 , 110386	4.3	0
163	Establishment of as a Microbial Cell Factory for Lignocellulosic Processes: Production of High Value Furan Derivatives.. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	1
162	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for the production of top value chemicals from biorefinery carbohydrates. <i>Biotechnology Advances</i> , 2021 , 47, 107697	17.8	26
161	DNA-based approaches for dairy products authentication: A review and perspectives. <i>Trends in Food Science and Technology</i> , 2021 , 109, 386-397	15.3	3
160	Very High Gravity Bioethanol Revisited: Main Challenges and Advances. <i>Fermentation</i> , 2021 , 7, 38	4.7	7
159	A selective p53 activator and anticancer agent to improve colorectal cancer therapy. <i>Cell Reports</i> , 2021 , 35, 108982	10.6	5
158	Strategies towards Reduction of Cellulases Consumption: Debottlenecking the Economics of Lignocellulosics Valorization Processes. <i>Polysaccharides</i> , 2021 , 2, 287-310	3	8
157	Resveratrol Production from Hydrothermally Pretreated Eucalyptus Wood Using Recombinant Industrial Strains. <i>ACS Synthetic Biology</i> , 2021 , 10, 1895-1903	5.7	3
156	Co-production of biofuels and value-added compounds from industrial <i>Eucalyptus globulus</i> bark residues using hydrothermal treatment. <i>Fuel</i> , 2021 , 285, 119265	7.1	13
155	Biotechnological Advancements, Innovations and Challenges for Sustainable Xylitol Production by Yeast 2021 , 420-427		4

154	Reuse of oak chips for modification of the volatile fraction of alcoholic beverages. <i>LWT - Food Science and Technology</i> , 2021 , 135, 110046	5.4	2
153	Hemicellulosic Bioethanol Production from Fast-Growing Paulownia Biomass. <i>Processes</i> , 2021 , 9, 173	2.9	6
152	Enzyme immobilization as a strategy towards efficient and sustainable lignocellulosic biomass conversion into chemicals and biofuels: current status and perspectives. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4233-4247	5.8	12
151	Cell surface engineering of <i>Saccharomyces cerevisiae</i> for simultaneous valorization of corn cob and cheese whey via ethanol production. <i>Energy Conversion and Management</i> , 2021 , 243, 114359	10.6	8
150	Microbial Biosynthesis of Lactones: Gaps and Opportunities towards Sustainable Production. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8500	2.6	6
149	L-lactic acid production from multi-supply autohydrolyzed economically unexploited lignocellulosic biomass. <i>Industrial Crops and Products</i> , 2021 , 170, 113775	5.9	3
148	Galactose to tagatose isomerization by the l-arabinose isomerase from <i>Bacillus subtilis</i> : A biorefinery approach for <i>Gelidium sesquipedale</i> valorisation. <i>LWT - Food Science and Technology</i> , 2021 , 151, 112199	5.4	3
147	Economic determinants on the implementation of a Eucalyptus wood biorefinery producing biofuels, energy and high added-value compounds. <i>Applied Energy</i> , 2021 , 303, 117662	10.7	3
146	Selection and subsequent physiological characterization of industrial strains during continuous growth at sub- and supra optimal temperatures. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020 , 26, e00462	5.3	7
145	Aqueous solutions of deep eutectic systems as reaction media for the saccharification and fermentation of hardwood xylan into xylitol. <i>Bioresource Technology</i> , 2020 , 311, 123524	11	18
144	Valorization of lignocellulosic-based wastes 2020 , 383-410		4
143	Ohmic heating polyphenolic extracts from vine pruning residue with enhanced biological activity. <i>Food Chemistry</i> , 2020 , 316, 126298	8.5	28
142	Validation of a LLME/GC-MS Methodology for Quantification of Volatile Compounds in Fermented Beverages. <i>Molecules</i> , 2020 , 25,	4.8	9
141	Differential proteomic analysis by SWATH-MS unravels the most dominant mechanisms underlying yeast adaptation to non-optimal temperatures under anaerobic conditions. <i>Scientific Reports</i> , 2020 , 10, 22329	4.9	9
140	Recent trends on seaweed fractionation for liquid biofuels production. <i>Bioresource Technology</i> , 2020 , 299, 122613	11	53
139	Development of a sustainable bioprocess based on green technologies for xylitol production from corn cob. <i>Industrial Crops and Products</i> , 2020 , 156, 112867	5.9	18
138	Consolidated bioprocessing of corn cob-derived hemicellulose: engineered industrial as efficient whole cell biocatalysts. <i>Biotechnology for Biofuels</i> , 2020 , 13, 138	7.8	26
137	Production of a Distilled Spirit Using Cassava Flour as Raw Material: Chemical Characterization and Sensory Profile. <i>Molecules</i> , 2020 , 25,	4.8	2

136	Ohmic Heating Extract of Vine Pruning Residue Has Anti-Colorectal Cancer Activity and Increases Sensitivity to the Chemotherapeutic Drug 5-FU. <i>Foods</i> , 2020 , 9,	4.9	3
135	Engineered for lignocellulosic valorization: a review and perspectives on bioethanol production. <i>Bioengineered</i> , 2020 , 11, 883-903	5.7	20
134	SLMP53-1 interacts with wild-type and mutant p53 DNA-binding domain and reactivates multiple hotspot mutations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129440	4	9
133	Evaluation of multi-starter <i>S. cerevisiae</i> / <i>D. bruxellensis</i> cultures for mimicking and accelerating transformations occurring during barrel ageing of beer. <i>Food Chemistry</i> , 2020 , 323, 126826	8.5	4
132	Microbial lipids from industrial wastes using xylose-utilizing <i>Ashbya gossypii</i> strains. <i>Bioresource Technology</i> , 2019 , 293, 122054	11	14
131	Xylose fermentation efficiency of industrial yeast with separate or combined xylose reductase/xylytol dehydrogenase and xylose isomerase pathways. <i>Biotechnology for Biofuels</i> , 2019 , 12, 20	7.8	67
130	Intensifying ethanol production from brewer's spent grain waste: Use of whole slurry at high solid loadings. <i>New Biotechnology</i> , 2019 , 53, 1-8	6.4	31
129	Factors affecting extraction of adsorbed wine volatile compounds and wood extractives from used oak wood. <i>Food Chemistry</i> , 2019 , 295, 156-164	8.5	14
128	Metabolic engineering of <i>Ashbya gossypii</i> for deciphering the de novo biosynthesis of ϵ -lactones. <i>Microbial Cell Factories</i> , 2019 , 18, 62	6.4	11
127	Volatile fingerprinting differentiates diverse-aged craft beers. <i>LWT - Food Science and Technology</i> , 2019 , 108, 129-136	5.4	9
126	Third generation bioethanol from invasive macroalgae <i>Sargassum muticum</i> using autohydrolysis pretreatment as first step of a biorefinery. <i>Renewable Energy</i> , 2019 , 141, 728-735	8.1	43
125	Bioactive compounds recovery optimization from vine pruning residues using conventional heating and microwave-assisted extraction methods. <i>Industrial Crops and Products</i> , 2019 , 132, 99-110	5.9	38
124	Understanding wine sorption by oak wood: Modeling of wine uptake and characterization of volatile compounds retention. <i>Food Research International</i> , 2019 , 116, 249-257	7	13
123	SLMP53-2 Restores Wild-Type-Like Function to Mutant p53 through Hsp70: Promising Activity in Hepatocellular Carcinoma. <i>Cancers</i> , 2019 , 11,	6.6	12
122	BSA-based sample clean-up columns for ochratoxin A determination in wine: Method development and validation. <i>Food Chemistry</i> , 2019 , 300, 125204	8.5	12
121	Production and Bioengineering of Recombinant Pharmaceuticals 2019 , 259-293		2
120	Valorization of <i>Eucalyptus nitens</i> bark by organosolv pretreatment for the production of advanced biofuels. <i>Industrial Crops and Products</i> , 2019 , 132, 327-335	5.9	35
119	Physiological characterization of a pyrimidine auxotroph exposes link between uracil phosphoribosyltransferase regulation and riboflavin production in <i>Ashbya gossypii</i> . <i>New Biotechnology</i> , 2019 , 50, 1-8	6.4	4

118	Molecular and physiological basis of <i>Saccharomyces cerevisiae</i> tolerance to adverse lignocellulose-based process conditions. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 159-175	5.7	66
117	Light exposure during growth increases riboflavin production, reactive oxygen species accumulation and DNA damage in <i>Ashbya gossypii</i> riboflavin-overproducing strains. <i>FEMS Yeast Research</i> , 2019 , 19,	3.1	4
116	Recombinant family 3 carbohydrate-binding module as a new additive for enhanced enzymatic saccharification of whole slurry from autohydrolyzed <i>Eucalyptus globulus</i> wood. <i>Cellulose</i> , 2018 , 25, 2505-2514 ¹¹	5.5	11
115	HAA1 and PRS3 overexpression boosts yeast tolerance towards acetic acid improving xylose or glucose consumption: unravelling the underlying mechanisms. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 4589-4600	5.7	35
114	Xylitol production from lignocellulosic whole slurry corn cob by engineered industrial <i>Saccharomyces cerevisiae</i> PE-2. <i>Bioresource Technology</i> , 2018 , 267, 481-491	11	46
113	Insights into the economic viability of cellulases recycling on bioethanol production from recycled paper sludge. <i>Bioresource Technology</i> , 2018 , 267, 347-355	11	24
112	Determinants on an efficient cellulase recycling process for the production of bioethanol from recycled paper sludge under high solid loadings. <i>Biotechnology for Biofuels</i> , 2018 , 11, 111	7.8	24
111	Valorization of Wastes From Agrofood and Pulp and Paper Industries Within the Biorefinery Concept: Southwestern Europe Scenario 2018 , 487-504		10
110	Guidelines to reach high-quality purified recombinant proteins. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 81-92	5.7	27
109	Boosting bioethanol production from <i>Eucalyptus</i> wood by whey incorporation. <i>Bioresource Technology</i> , 2018 , 250, 256-264	11	25
108	The Crystal Structure of the R280K Mutant of Human p53 Explains the Loss of DNA Binding. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	11
107	Comparative autohydrolysis study of two mixtures of forest and marginal land resources for co-production of biofuels and value-added compounds. <i>Renewable Energy</i> , 2018 , 128, 20-29	8.1	24
106	Evaluation of strategies for second generation bioethanol production from fast growing biomass <i>Paulownia</i> within a biorefinery scheme. <i>Applied Energy</i> , 2017 , 187, 777-789	10.7	59
105	RAPD/SCAR Approaches for Identification of Adulterant BreedsTMilk in Dairy Products. <i>Methods in Molecular Biology</i> , 2017 , 1620, 183-193	1.4	1
104	Integrated approach for selecting efficient <i>Saccharomyces cerevisiae</i> for industrial lignocellulosic fermentations: Importance of yeast chassis linked to process conditions. <i>Bioresource Technology</i> , 2017 , 227, 24-34	11	43
103	Vinegar production from fruit concentrates: effect on volatile composition and antioxidant activity. <i>Journal of Food Science and Technology</i> , 2017 , 54, 4112-4122	3.3	20
102	Integral valorization of vine pruning residue by sequential autohydrolysis stages. <i>Journal of Cleaner Production</i> , 2017 , 168, 74-86	10.3	47
101	New biotechnological applications for <i>Ashbya gossypii</i> : Challenges and perspectives. <i>Bioengineered</i> , 2017 , 8, 309-315	5.7	14

100	Principles of Genetic Engineering 2017 , 81-127		3
99	Synthesis of Fusion Genes for Cloning by Megaprimer-Based PCR. <i>Methods in Molecular Biology</i> , 2017 , 1620, 101-112	1.4	2
98	Production of Hemicellulases, Xylitol, and Furan from Hemicellulosic Hydrolysates Using Hydrothermal Pretreatment 2017 , 285-315		3
97	Combined alkali and hydrothermal pretreatments for oat straw valorization within a biorefinery concept. <i>Bioresource Technology</i> , 2016 , 220, 323-332	11	38
96	Valorizing recycled paper sludge by a bioethanol production process with cellulase recycling. <i>Bioresource Technology</i> , 2016 , 216, 637-44	11	33
95	Simultaneous Saccharification and Fermentation of Hydrothermal Pretreated Lignocellulosic Biomass: Evaluation of Process Performance Under Multiple Stress Conditions. <i>Bioenergy Research</i> , 2016 , 9, 750-762	3.1	19
94	RAPD and SCAR markers as potential tools for detection of milk origin in dairy products: Adulterant sheep breeds in Serra da Estrela cheese production. <i>Food Chemistry</i> , 2016 , 211, 631-6	8.5	19
93	Valorization of Eucalyptus wood by glycerol-organosolv pretreatment within the biorefinery concept: An integrated and intensified approach. <i>Renewable Energy</i> , 2016 , 95, 1-9	8.1	49
92	Characterization and genome sequencing of a <i>Citrobacter freundii</i> phage Cfp1 harboring a lysin active against multidrug-resistant isolates. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 10543-10553	5.7	32
91	Systematic approach for the development of fruit wines from industrially processed fruit concentrates, including optimization of fermentation parameters, chemical characterization and sensory evaluation. <i>LWT - Food Science and Technology</i> , 2015 , 62, 1043-1052	5.4	28
90	Cellulase recycling in biorefineries--is it possible?. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 4131-43	5.43	51
89	Contribution of PRS3, RPB4 and ZWF1 to the resistance of industrial <i>Saccharomyces cerevisiae</i> CCUG53310 and PE-2 strains to lignocellulosic hydrolysate-derived inhibitors. <i>Bioresource Technology</i> , 2015 , 191, 7-16	11	33
88	Ashbya gossypii beyond industrial riboflavin production: A historical perspective and emerging biotechnological applications. <i>Biotechnology Advances</i> , 2015 , 33, 1774-86	17.8	37
87	Metabolic engineering of <i>Saccharomyces cerevisiae</i> ethanol strains PE-2 and CAT-1 for efficient lignocellulosic fermentation. <i>Bioresource Technology</i> , 2015 , 179, 150-158	11	54
86	Lignocellulosic bioethanol production with revalorization of low-cost agroindustrial by-products as nutritional supplements. <i>Industrial Crops and Products</i> , 2015 , 64, 16-24	5.9	29
85	Blockage of the pyrimidine biosynthetic pathway affects riboflavin production in <i>Ashbya gossypii</i> . <i>Journal of Biotechnology</i> , 2015 , 193, 37-40	3.7	17
84	Modification of paper properties using carbohydrate-binding module 3 from the <i>Clostridium thermocellum</i> CipA scaffolding protein produced in <i>Pichia pastoris</i> : elucidation of the glycosylation effect. <i>Cellulose</i> , 2015 , 22, 2755-2765	5.5	10
83	On the track for an efficient detection of <i>Escherichia coli</i> in water: A review on PCR-based methods. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 113, 400-11	7	57

82	Recombinant CBM-fusion technology - Applications overview. <i>Biotechnology Advances</i> , 2015 , 33, 358-69	17.8	88
81	Industrial robust yeast isolates with great potential for fermentation of lignocellulosic biomass. <i>Bioresource Technology</i> , 2014 , 161, 192-9	11	78
80	Molecular and functional characterization of an invertase secreted by <i>Ashbya gossypii</i> . <i>Molecular Biotechnology</i> , 2014 , 56, 524-34	3	15
79	Enhanced heterologous protein production in <i>Pichia pastoris</i> under increased air pressure. <i>Biotechnology Progress</i> , 2014 , 30, 1040-7	2.8	9
78	Cre-loxP-based system for removal and reuse of selection markers in <i>Ashbya gossypii</i> targeted engineering. <i>Fungal Genetics and Biology</i> , 2014 , 68, 1-8	3.9	19
77	Fusion tags for protein solubility, purification and immunogenicity in <i>Escherichia coli</i> : the novel Fh8 system. <i>Frontiers in Microbiology</i> , 2014 , 5, 63	5.7	205
76	Genome-wide metabolic re-annotation of <i>Ashbya gossypii</i> : new insights into its metabolism through a comparative analysis with <i>Saccharomyces cerevisiae</i> and <i>Kluyveromyces lactis</i> . <i>BMC Genomics</i> , 2014 , 15, 810	4.5	11
75	Recombinant production of plant lectins in microbial systems for biomedical application - the frutalin case study. <i>Frontiers in Plant Science</i> , 2014 , 5, 390	6.2	19
74	Genome-wide screening of <i>Saccharomyces cerevisiae</i> genes required to foster tolerance towards industrial wheat straw hydrolysates. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 1753-61	4.2	20
73	Integrated approach for effective bioethanol production using whole slurry from autohydrolyzed <i>Eucalyptus globulus</i> wood at high-solid loadings. <i>Fuel</i> , 2014 , 135, 482-491	7.1	55
72	High-level expression of <i>Aspergillus niger</i> b-galactosidase in <i>Ashbya gossypii</i> . <i>Biotechnology Progress</i> , 2014 , 30, 261-68	2.8	16
71	Investigation of protein secretion and secretion stress in <i>Ashbya gossypii</i> . <i>BMC Genomics</i> , 2014 , 15, 1137-45	4.5	8
70	Effect of hemicellulose liquid phase on the enzymatic hydrolysis of autohydrolyzed <i>Eucalyptus globulus</i> wood. <i>Biomass Conversion and Biorefinery</i> , 2014 , 4, 77-86	2.3	18
69	Recombinant expression and purification of the antimicrobial peptide magainin-2. <i>Biotechnology Progress</i> , 2013 , 29, 17-22	2.8	32
68	The Fh8 tag: a fusion partner for simple and cost-effective protein purification in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2013 , 92, 163-70	2	21
67	Fractionation of <i>Eucalyptus globulus</i> Wood by Glycerol/Water Pretreatment: Optimization and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 14342-14352	3.9	33
66	Characterization of the <i>Ashbya gossypii</i> secreted N-glycome and genomic insights into its N-glycosylation pathway. <i>Carbohydrate Research</i> , 2013 , 381, 19-27	2.9	12
65	Recombinant lectins: an array of tailor-made glycan-interaction biosynthetic tools. <i>Critical Reviews in Biotechnology</i> , 2013 , 33, 66-80	9.4	35

64	The novel Fh8 and H fusion partners for soluble protein expression in <i>Escherichia coli</i> : a comparison with the traditional gene fusion technology. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 6779-91	5.7	55
63	Influence of trace elements supplementation on the production of recombinant frutalin by <i>Pichia pastoris</i> KM71H in fed-batch process. <i>Chemical Papers</i> , 2013 , 67,	1.9	5
62	A novel adjuvant-free H fusion system for the production of recombinant immunogens in <i>Escherichia coli</i> : Its application to a 12 kDa antigen from <i>Cryptosporidium parvum</i> . <i>Bioengineered</i> , 2013 , 4, 413-9	5.7	2
61	Random and direct mutagenesis to enhance protein secretion in <i>Ashbya gossypii</i> . <i>Bioengineered</i> , 2013 , 4, 322-31	5.7	19
60	Dairy. <i>Contemporary Food Engineering</i> , 2013 , 295-326		
59	Plasmid-mediate transfer of FLO1 into industrial <i>Saccharomyces cerevisiae</i> PE-2 strain creates a strain useful for repeat-batch fermentations involving flocculation-sedimentation. <i>Bioresource Technology</i> , 2012 , 108, 162-8	11	11
58	Cell recycling during repeated very high gravity bio-ethanol fermentations using the industrial <i>Saccharomyces cerevisiae</i> strain PE-2. <i>Biotechnology Letters</i> , 2012 , 34, 45-53	3	31
57	The Effect of the Electric Field on Lag Phase, β -Galactosidase Production and Plasmid Stability of a Recombinant <i>Saccharomyces cerevisiae</i> Strain Growing on Lactose. <i>Food and Bioprocess Technology</i> , 2012 , 5, 3014-3020	5.1	18
56	Nutritional requirements and strain heterogeneity in <i>Ashbya gossypii</i> . <i>Journal of Basic Microbiology</i> , 2012 , 52, 582-9	2.7	13
55	Bacterial cellulose modified using recombinant proteins to improve neuronal and mesenchymal cell adhesion. <i>Biotechnology Progress</i> , 2012 , 28, 526-32	2.8	54
54	Wound healing activity of the human antimicrobial peptide LL37. <i>Peptides</i> , 2011 , 32, 1469-76	3.8	153
53	Chemical composition and sensory analysis of cheese whey-based beverages using kefir grains as starter culture. <i>International Journal of Food Science and Technology</i> , 2011 , 46, 871-878	3.8	30
52	Identification of candidate genes for yeast engineering to improve bioethanol production in very high gravity and lignocellulosic biomass industrial fermentations. <i>Biotechnology for Biofuels</i> , 2011 , 4, 57	7.8	39
51	Robust industrial <i>Saccharomyces cerevisiae</i> strains for very high gravity bio-ethanol fermentations. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 130-6	3.3	51
50	Recombinant microbial systems for improved β -galactosidase production and biotechnological applications. <i>Biotechnology Advances</i> , 2011 , 29, 600-9	17.8	111
49	Comparative study of the biochemical changes and volatile compound formations during the production of novel whey-based kefir beverages and traditional milk kefir. <i>Food Chemistry</i> , 2011 , 126, 249-253	8.5	58
48	Cytotoxic effects of native and recombinant frutalin, a plant galactose-binding lectin, on HeLa cervical cancer cells. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 568932		24
47	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for lactose/whey fermentation. <i>Bioengineered Bugs</i> , 2010 , 1, 164-71		55

46	Escherichia coli expression and purification of LL37 fused to a family III carbohydrate-binding module from Clostridium thermocellum. <i>Protein Expression and Purification</i> , 2010 , 71, 1-7	2	34
45	Expression of Trichoderma reesei cellulases CBHI and EGI in Ashbya gossypii. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 1437-46	5.7	31
44	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. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010 , 37, 973-82	4.2	32
43	Selection of Saccharomyces cerevisiae strains for efficient very high gravity bio-ethanol fermentation processes. <i>Biotechnology Letters</i> , 2010 , 32, 1655-61	3	45
42	Fermentation of lactose to bio-ethanol by yeasts as part of integrated solutions for the valorisation of cheese whey. <i>Biotechnology Advances</i> , 2010 , 28, 375-84	17.8	274
41	Technological trends, global market, and challenges of bio-ethanol production. <i>Biotechnology Advances</i> , 2010 , 28, 817-30	17.8	504
40	Improving the affinity of fibroblasts for bacterial cellulose using carbohydrate-binding modules fused to RGD. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 9-17	5.4	66
39	Biological activity of heterologous murine interleukin-10 and preliminary studies on the use of a dextrin nanogel as a delivery system. <i>International Journal of Pharmaceutics</i> , 2010 , 400, 234-42	6.5	26
38	Production of fermented cheese whey-based beverage using kefir grains as starter culture: evaluation of morphological and microbial variations. <i>Bioresource Technology</i> , 2010 , 101, 8843-50	11	74
37	Improving bacterial cellulose for blood vessel replacement: Functionalization with a chimeric protein containing a cellulose-binding module and an adhesion peptide. <i>Acta Biomaterialia</i> , 2010 , 6, 4034-41	10.8	120
36	Optimization of low-cost medium for very high gravity ethanol fermentations by Saccharomyces cerevisiae using statistical experimental designs. <i>Bioresource Technology</i> , 2010 , 101, 7856-63	11	109
35	Virtual laboratories in (bio)chemical engineering education. <i>Education for Chemical Engineers</i> , 2010 , 5, e22-e27	2.4	38
34	cDNA cloning and functional expression of the alpha-D-galactose-binding lectin frutalin in Escherichia coli. <i>Molecular Biotechnology</i> , 2009 , 43, 212-20	3	24
33	A comparative study of recombinant and native frutalin binding to human prostate tissues. <i>BMC Biotechnology</i> , 2009 , 9, 78	3.5	17
32	Bacterial Activity in Heavy Metals Polluted Soils: Metal Efflux Systems in Native Rhizobial Strains. <i>Geomicrobiology Journal</i> , 2009 , 26, 281-288	2.5	10
31	Differentiation of human pre-adipocytes by recombinant adiponectin. <i>Protein Expression and Purification</i> , 2008 , 59, 122-6	2	8
30	Escherichia coli expression and purification of four antimicrobial peptides fused to a family 3 carbohydrate-binding module (CBM) from Clostridium thermocellum. <i>Protein Expression and Purification</i> , 2008 , 59, 161-8	2	29
29	Expression of frutalin, an alpha-D-galactose-binding jacalin-related lectin, in the yeast Pichia pastoris. <i>Protein Expression and Purification</i> , 2008 , 60, 188-93	2	33

28	Adaptive evolution of a lactose-consuming <i>Saccharomyces cerevisiae</i> recombinant. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1748-56	4.8	69
27	Stimulation of zero-trans rates of lactose and maltose uptake into yeasts by preincubation with hexose to increase the adenylate energy charge. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 3076-84	4.8	8
26	The inhibitory effect of an RGD-human chitin-binding domain fusion protein on the adhesion of fibroblasts to reacylated chitosan films. <i>Molecular Biotechnology</i> , 2008 , 40, 269-79	3	5
25	Fermentation of high concentrations of lactose to ethanol by engineered flocculent <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2008 , 30, 1953-8	3	26
24	Development of a strategy to functionalize a dextrin-based hydrogel for animal cell cultures using a starch-binding module fused to RGD sequence. <i>BMC Biotechnology</i> , 2008 , 8, 78	3.5	12
23	Comparative transcriptome analysis between original and evolved recombinant lactose-consuming <i>Saccharomyces cerevisiae</i> strains. <i>Biotechnology Journal</i> , 2008 , 3, 1591-7	5.6	8
22	Polycystic ovary syndrome and hyperprolactinemia are distinct entities. <i>Gynecological Endocrinology</i> , 2007 , 23, 267-72	2.4	42
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18	Relationships between hydrodynamics and rheology of flocculating yeast suspensions in a high-cell-density airlift bioreactor. <i>Biotechnology and Bioengineering</i> , 2005 , 89, 393-9	4.9	23
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15	Production of βgalactosidase from recombinant <i>Saccharomyces cerevisiae</i> grown on lactose. <i>Journal of Chemical Technology and Biotechnology</i> , 2004 , 79, 809-815	3.5	16
14	Evaluation of pituitary and thyroid hormones in patients with subarachnoid hemorrhage due to ruptured intracranial aneurysm. <i>Arquivos De Neuro-Psiquiatria</i> , 2003 , 61, 14-9	1.6	27
13	Construction of a flocculent <i>Saccharomyces cerevisiae</i> strain secreting high levels of <i>Aspergillus niger</i> beta-galactosidase. <i>Applied Microbiology and Biotechnology</i> , 2002 , 58, 645-50	5.7	30
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9	Applications of yeast flocculation in biotechnological processes. <i>Biotechnology and Bioprocess Engineering</i> , 2000 , 5, 288-305	3-1	49
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6	Continuous ethanol fermentation of lactose by a recombinant flocculating <i>Saccharomyces cerevisiae</i> strain. <i>Biotechnology and Bioengineering</i> , 1999 , 64, 692-7	4-9	46
5	Transformation of a flocculating <i>Saccharomyces cerevisiae</i> using lithium acetate and pYAC4. <i>Journal of Basic Microbiology</i> , 1999 , 39, 37-41	2-7	4
4	Rapid and sensitive detection of b-galactosidase-producing yeasts by using microtiter plate assay. <i>Biotechnology Letters</i> , 1997 , 11, 399-402		3
3	Magnetic Nanoparticles as Support for Cellulase Immobilization Strategy for Enzymatic Hydrolysis Using Hydrothermally Pretreated Corn Cob Biomass. <i>Bioenergy Research</i> , 1	3-1	4
2	Selection and subsequent physiological characterisation of industrial <i>Saccharomyces cerevisiae</i> strains during continuous growth at sub- and supra optimal temperatures		2
1	Differential proteomic analysis by SWATH-MS unravels the most dominant mechanisms underlying yeast adaptation to non-optimal temperatures under anaerobic conditions		3