

Danilo Porro

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111
papers

5,184
citations

34
h-index

70
g-index

120
ext. papers

5,746
ext. citations

4.6
avg, IF

5.24
L-index

#	Paper	IF	Citations
111	Microbial production of organic acids: expanding the markets. <i>Trends in Biotechnology</i> , 2008 , 26, 100-8	15.1	599
110	Melanoma contains CD133 and ABCG2 positive cells with enhanced tumourigenic potential. <i>European Journal of Cancer</i> , 2007 , 43, 935-46	7.5	457
109	Replacement of a metabolic pathway for large-scale production of lactic acid from engineered yeasts. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 4211-5	4.8	316
108	Homofermentative lactate production cannot sustain anaerobic growth of engineered <i>Saccharomyces cerevisiae</i> : possible consequence of energy-dependent lactate export. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 2898-905	4.8	308
107	Improvement of lactic acid production in <i>Saccharomyces cerevisiae</i> by cell sorting for high intracellular pH. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 5492-9	4.8	290
106	Protein folding and conformational stress in microbial cells producing recombinant proteins: a host comparative overview. <i>Microbial Cell Factories</i> , 2008 , 7, 11	6.4	229
105	Recombinant protein production in yeasts. <i>Methods in Molecular Biology</i> , 2012 , 824, 329-58	1.4	198
104	Recombinant protein production in yeasts. <i>Molecular Biotechnology</i> , 2005 , 31, 245-59	3	134
103	Development of metabolically engineered <i>Saccharomyces cerevisiae</i> cells for the production of lactic acid. <i>Biotechnology Progress</i> , 1995 , 11, 294-8	2.8	104
102	Oscillations in continuous cultures of budding yeast: a segregated parameter analysis. <i>Biotechnology and Bioengineering</i> , 1988 , 32, 411-7	4.9	104
101	16 years research on lactic acid production with yeast - ready for the market?. <i>Biotechnology and Genetic Engineering Reviews</i> , 2010 , 27, 229-56	4.1	86
100	Intracellular pH distribution in <i>Saccharomyces cerevisiae</i> cell populations, analyzed by flow cytometry. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 1515-21	4.8	83
99	A novel pathway to produce butanol and isobutanol in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , 2013 , 6, 68	7.8	77
98	Production of recombinant proteins and metabolites in yeasts: when are these systems better than bacterial production systems?. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 939-48	5.7	77
97	Efficient homolactic fermentation by <i>Kluyveromyces lactis</i> strains defective in pyruvate utilization and transformed with the heterologous LDH gene. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 5621-5	4.8	69
96	Biosynthesis of vitamin C by yeast leads to increased stress resistance. <i>PLoS ONE</i> , 2007 , 2, e1092	3.7	69
95	Lactate production yield from engineered yeasts is dependent from the host background, the lactate dehydrogenase source and the lactate export. <i>Microbial Cell Factories</i> , 2006 , 5, 4	6.4	65

94	Production of L-ascorbic acid by metabolically engineered <i>Saccharomyces cerevisiae</i> and <i>Zygosaccharomyces bailii</i> . <i>Applied and Environmental Microbiology</i> , 2004 , 70, 6086-91	4.8	64
93	A mutation in a novel yeast proteasomal gene, RPN11/MPR1, produces a cell cycle arrest, overreplication of nuclear and mitochondrial DNA, and an altered mitochondrial morphology. <i>Molecular Biology of the Cell</i> , 1998 , 9, 2917-31	3.5	64
92	Involvement of a cell size control mechanism in the induction and maintenance of oscillations in continuous cultures of budding yeast. <i>Biotechnology and Bioengineering</i> , 1990 , 36, 453-9	4.9	64
91	Fourier transform infrared spectroscopy as a method to study lipid accumulation in oleaginous yeasts. <i>Biotechnology for Biofuels</i> , 2014 , 7, 12	7.8	58
90	Lactose/whey utilization and ethanol production by transformed <i>Saccharomyces cerevisiae</i> cells. <i>Biotechnology and Bioengineering</i> , 1992 , 39, 799-805	4.9	57
89	Differential gene expression in recombinant <i>Pichia pastoris</i> analysed by heterologous DNA microarray hybridisation. <i>Microbial Cell Factories</i> , 2004 , 3, 17	6.4	53
88	The yeast <i>Zygosaccharomyces bailii</i> : a new host for heterologous protein production, secretion and for metabolic engineering applications. <i>FEMS Yeast Research</i> , 2004 , 4, 493-504	3.1	45
87	Quantitative flow cytometry: analysis of protein distributions in budding yeast. A mini-review. <i>Yeast</i> , 1993 , 9, 815-23	3.4	45
86	Evolutionary restoration of fertility in an interspecies hybrid yeast, by whole-genome duplication after a failed mating-type switch. <i>PLoS Biology</i> , 2017 , 15, e2002128	9.7	43
85	Assessing an effective feeding strategy to optimize crude glycerol utilization as sustainable carbon source for lipid accumulation in oleaginous yeasts. <i>Microbial Cell Factories</i> , 2016 , 15, 75	6.4	42
84	Glucose metabolism and cell size in continuous cultures of <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 2003 , 229, 165-71	2.9	40
83	Control by nutrients of growth and cell cycle progression in budding yeast, analyzed by double-tag flow cytometry. <i>Journal of Bacteriology</i> , 1998 , 180, 3864-72	3.5	40
82	Deletion or overexpression of mitochondrial NAD ⁺ carriers in <i>Saccharomyces cerevisiae</i> alters cellular NAD and ATP contents and affects mitochondrial metabolism and the rate of glycolysis. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 2239-46	4.8	38
81	Mutations of the CK2 phosphorylation site of Sic1 affect cell size and S-Cdk kinase activity in <i>Saccharomyces cerevisiae</i> . <i>Molecular Microbiology</i> , 2004 , 51, 447-60	4.1	38
80	Alterations of the glucose metabolism in a triose phosphate isomerase-negative <i>Saccharomyces cerevisiae</i> mutant. <i>Yeast</i> , 2001 , 18, 663-70	3.4	38
79	Influence of growth temperature on the production of antibody Fab fragments in different microbes: a host comparative analysis. <i>Biotechnology Progress</i> , 2011 , 27, 38-46	2.8	37
78	<i>Saccharomyces cerevisiae</i> SFP1: at the crossroads of central metabolism and ribosome biogenesis. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 1686-1699	2.9	36
77	Microbial n-butanol production from Clostridia to non-Clostridial hosts. <i>Engineering in Life Sciences</i> , 2014 , 14, 16-26	3.4	34

76	Effect of oxygenation and temperature on glucose-xylose fermentation in <i>Kluyveromyces marxianus</i> CBS712 strain. <i>Microbial Cell Factories</i> , 2014 , 13, 51	6.4	34
75	Towards understanding of the complex structure of growing yeast populations. <i>Journal of Biotechnology</i> , 2007 , 128, 393-402	3.7	34
74	The impact of oxygen on the transcriptome of recombinant <i>S. cerevisiae</i> and <i>P. pastoris</i> - a comparative analysis. <i>BMC Genomics</i> , 2011 , 12, 218	4.5	33
73	Analysis and modeling of growing budding yeast populations at the single cell level. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009 , 75, 114-20	4.6	33
72	Cloning, disruption and protein secretory phenotype of the GAS1 homologue of <i>Pichia pastoris</i> . <i>FEMS Microbiology Letters</i> , 2006 , 264, 40-7	2.9	32
71	Morphologically-structured models of growing budding yeast populations. <i>Journal of Biotechnology</i> , 2006 , 124, 420-38	3.7	30
70	Improved secretion of native human insulin-like growth factor 1 from <i>gas1</i> mutant <i>Saccharomyces cerevisiae</i> cells. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 5477-9	4.8	29
69	Induction by hypoxia of heterologous-protein production with the KIPDC1 promoter in yeasts. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 922-9	4.8	26
68	Protein aggregation and membrane lipid modifications under lactic acid stress in wild type and OPI1 deleted <i>Saccharomyces cerevisiae</i> strains. <i>Microbial Cell Factories</i> , 2016 , 15, 39	6.4	25
67	Metabolically engineered yeasts: potential industrial applications. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008 , 15, 31-40	0.9	25
66	A double flow cytometric tag allows tracking of the dynamics of cell cycle progression of newborn <i>Saccharomyces cerevisiae</i> cells during balanced exponential growth. <i>Yeast</i> , 1995 , 11, 1157-69	3.4	25
65	In <i>Saccharomyces cerevisiae</i> , protein secretion into the growth medium depends on environmental factors. <i>Yeast</i> , 1993 , 9, 77-84	3.4	25
64	Alteration of cell population structure due to cell lysis in <i>Saccharomyces cerevisiae</i> cells overexpressing the GAL4 gene. <i>Yeast</i> , 1993 , 9, 575-82	3.4	25
63	Different response to acetic acid stress in <i>Saccharomyces cerevisiae</i> wild-type and l-ascorbic acid-producing strains. <i>Yeast</i> , 2013 , 30, 365-78	3.4	24
62	Reverse engineering of protein secretion by uncoupling of cell cycle phases from growth. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 2403-12	4.9	24
61	The spoilage yeast <i>Zygosaccharomyces bailii</i> : Foe or friend?. <i>Yeast</i> , 2017 , 34, 359-370	3.4	23
60	SFP1 is involved in cell size modulation in respiro-fermentative growth conditions. <i>Yeast</i> , 2005 , 22, 385-94	3.4	23
59	Old obstacles and new horizons for microbial chemical production. <i>Current Opinion in Biotechnology</i> , 2014 , 30, 101-6	11.4	22

58	Effect of HXT1 and HXT7 hexose transporter overexpression on wild-type and lactic acid producing <i>Saccharomyces cerevisiae</i> cells. <i>Microbial Cell Factories</i> , 2010 , 9, 15	6.4	22
57	In budding yeast, reactive oxygen species induce both RAS-dependent and RAS-independent cell cycle-specific arrest. <i>Molecular Microbiology</i> , 1999 , 32, 753-64	4.1	22
56	Flow-Cytometric Determination of the Respiratory Activity in Growing <i>Saccharomyces cerevisiae</i> Populations. <i>Biotechnology Progress</i> , 1994 , 10, 193-197	2.8	22
55	Tracking of individual cell cohorts in asynchronous <i>Saccharomyces cerevisiae</i> populations. <i>Biotechnology Progress</i> , 1995 , 11, 342-7	2.8	22
54	Towards a blueprint of the cell cycle. <i>Oncogene</i> , 2001 , 20, 1128-34	9.2	21
53	The importance of fermentative conditions for the biotechnological production of lignin modifying enzymes from white-rot fungi. <i>FEMS Microbiology Letters</i> , 2017 , 364,	2.9	20
52	Advances in molecular tools for the use of <i>Zygosaccharomyces bailii</i> as host for biotechnological productions and construction of the first auxotrophic mutant. <i>FEMS Yeast Research</i> , 2010 , 10, 894-908	3.1	18
51	Secretion of <i>Escherichia coli</i> beta-galactosidase in <i>Saccharomyces cerevisiae</i> using the signal sequence from the glucoamylase-encoding <i>STA2</i> gene. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 164, 1331-8	3.4	18
50	Re-assessment of YAP1 and MCR1 contributions to inhibitor tolerance in robust engineered <i>Saccharomyces cerevisiae</i> fermenting undetoxified lignocellulosic hydrolysate. <i>AMB Express</i> , 2014 , 4, 56	4.1	17
49	Heterologous protein production in <i>Zygosaccharomyces bailii</i> : physiological effects and fermentative strategies. <i>FEMS Yeast Research</i> , 2005 , 5, 647-52	3.1	17
48	Microbial desulfurization of ground tire rubber (GTR): Characterization of microbial communities and rheological and mechanical properties of GTR and natural rubber composites (GTR/NR). <i>Polymer Degradation and Stability</i> , 2019 , 160, 102-109	4.7	17
47	Optimization of construct design and fermentation strategy for the production of bioactive ATF-SAP, a saporin based anti-tumoral uPAR-targeted chimera. <i>Microbial Cell Factories</i> , 2016 , 15, 194	6.4	16
46	L-ascorbic acid producing yeasts learn from plants how to recycle it. <i>Metabolic Engineering</i> , 2011 , 13, 177-85	9.7	16
45	Heterologous gene expression in continuous cultures of budding yeast. <i>Applied Microbiology and Biotechnology</i> , 1991 , 34, 632-6	5.7	16
44	meal hydrolysate as sustainable biomass for the production of carotenoids by. <i>Biotechnology for Biofuels</i> , 2020 , 13, 47	7.8	15
43	Cloning of the <i>Zygosaccharomyces bailii</i> GAS1 homologue and effect of cell wall engineering on protein secretory phenotype. <i>Microbial Cell Factories</i> , 2010 , 9, 7	6.4	15
42	Effect of the leader sequence on the expression of recombinant <i>C. rugosa</i> lipase by <i>S. cerevisiae</i> cells. <i>Biotechnology Letters</i> , 1996 , 18, 281	3	15
41	Isolation, nucleotide sequence, and physiological relevance of the gene encoding triose phosphate isomerase from <i>Kluyveromyces lactis</i> . <i>Applied and Environmental Microbiology</i> , 1999 , 65, 4216-9	4.8	14

40	Copper homeostasis as a target to improve <i>Saccharomyces cerevisiae</i> tolerance to oxidative stress. <i>Metabolic Engineering</i> , 2018 , 46, 43-50	9.7	13
39	Development of high cell density cultures of engineered <i>Saccharomyces cerevisiae</i> cells able to grow on lactose. <i>Biotechnology Letters</i> , 1992 , 14, 1085-1088	3	13
38	Real-time flow cytometric quantification of GFP expression and Gfp-fluorescence generation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Microbiological Methods</i> , 2000 , 42, 57-64	2.8	12
37	Physiological and genetic modulation of inducible expression of <i>Escherichia coli</i> β -galactosidase in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 1988 , 28, 160-165	5.7	12
36	n-butanol: challenges and solutions for shifting natural metabolic pathways into a viable microbial production. <i>FEMS Microbiology Letters</i> , 2016 , 363,	2.9	12
35	Transcriptional Response to Lactic Acid Stress in the Hybrid Yeast <i>Zygosaccharomyces parabaillii</i> . <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	11
34	CK2 activity is modulated by growth rate in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2010 , 398, 44-50	3.4	11
33	Enhanced expression of heterologous proteins by the use of a superinducible vector in budding yeast. <i>Applied Microbiology and Biotechnology</i> , 1992 , 36, 655-8	5.7	11
32	Protein and cell volume distributions during the production of beta-galactosidase in batch cultures of <i>Kluyveromyces lactis</i> . <i>Journal of Biotechnology</i> , 1987 , 5, 227-231	3.7	10
31	Production of Organic Acids by Yeasts and Filamentous Fungi 2017 , 205-223		10
30	Assessing physio-macromolecular effects of lactic acid on <i>Zygosaccharomyces bailii</i> cells during microaerobic fermentation. <i>FEMS Yeast Research</i> , 2016 , 16,	3.1	10
29	The <i>Saccharomyces cerevisiae</i> poly(A) binding protein Pab1 as a target for eliciting stress tolerant phenotypes. <i>Scientific Reports</i> , 2015 , 5, 18318	4.9	9
28	Differential localisation of nPKC delta during cell cycle progression. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 294, 127-31	3.4	9
27	Conversion of sugar beet residues into lipids by <i>Lipomyces starkeyi</i> for biodiesel production. <i>Microbial Cell Factories</i> , 2020 , 19, 204	6.4	9
26	Recombinant protein production in yeasts. <i>Methods in Molecular Biology</i> , 2004 , 267, 241-58	1.4	8
25	Molecular tools and protocols for engineering the acid-tolerant yeast <i>Zygosaccharomyces bailii</i> as a potential cell factory. <i>Methods in Molecular Biology</i> , 2014 , 1152, 63-85	1.4	8
24	Changes in SAM2 expression affect lactic acid tolerance and lactic acid production in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2014 , 13, 147	6.4	7
23	Monitoring the transport of recombinant <i>Candida rugosa</i> lipase by a green fluorescent protein-lipase fusion. <i>Biotechnology Letters</i> , 2003 , 25, 1945-8	3	7

22	Investigating the multibudded and binucleate phenotype of the yeast <i>Zygosaccharomyces bailii</i> growing on minimal medium. <i>FEMS Yeast Research</i> , 2008 , 8, 906-15	3.1	6
21	Isolation and sequence analysis of the gene encoding triose phosphate isomerase from <i>Zygosaccharomyces bailii</i> . <i>Yeast</i> , 2001 , 18, 775-80	3.4	6
20	Selection of yeast cells with a higher plasmid copy number in a <i>Saccharomyces cerevisiae</i> autoselection system. <i>Yeast</i> , 1996 , 12, 199-205	3.4	6
19	Opposite effects of TPA on G1/S transition and on cell size in the low metastatic B16F1 with respect to high metastatic BL6 murine melanoma cells. <i>Cancer Letters</i> , 1998 , 132, 159-64	9.9	5
18	A modular systems biology analysis of cell cycle entrance into S-phase. <i>Topics in Current Genetics</i> , 2005 , 325-347		5
17	Yeasts in Biotechnology 2012 , 347-370		3
16	Relation between growth dynamics and diffusional limitations in <i>Saccharomyces cerevisiae</i> cells growing as entrapped in an insolubilised gelatin gel. <i>FEMS Microbiology Letters</i> , 2001 , 195, 245-51	2.9	3
15	Relating growth dynamics and glucoamylase excretion of individual <i>Saccharomyces cerevisiae</i> cells. <i>Journal of Microbiological Methods</i> , 2000 , 42, 49-55	2.8	3
14	Temperature-induced lipocalin (TIL): a shield against stress-inducing environmental shocks in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2017 , 17,	3.1	2
13	High lipase production by <i>Candida rugosa</i> is associated with G1 cells. A flow cytometry study. <i>Biotechnology Letters</i> , 2001 , 23, 1803-1808	3	2
12	Microbial analysis at the single-cell level. <i>Journal of Microbiological Methods</i> , 2000 , 42, 1-2	2.8	2
11	Growth phase modulation of the productivity of β -galactosidase in budding yeast cultures. <i>Journal of Biotechnology</i> , 1989 , 12, 71-78	3.7	2
10	Using Glycerol to Produce European Sea Bass Feed With Oleaginous Microbial Biomass: Effects on Growth Performance, Filet Fatty Acid Profile, and FADS2 Gene Expression. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	2
9	Heterologous production of five Hepatitis C virus-derived antigens in three <i>Saccharomyces cerevisiae</i> host strains. <i>Journal of Biotechnology</i> , 2005 , 120, 46-58	3.7	1
8	Could microalgae be a strategic choice for responding to the demand for omega-3 fatty acids? A European perspective. <i>Trends in Food Science and Technology</i> , 2022 , 121, 142-155	15.3	1
7	Physiological Effects of GLT1 Modulation in <i>Saccharomyces cerevisiae</i> Strains Growing on Different Nitrogen Sources. <i>Journal of Microbiology and Biotechnology</i> , 2016 , 26, 326-36	3.3	1
6	Production of Metabolites and Heterologous Proteins 2014 , 299-326		1
5	VirMutSig: Discovery and assignment of viral mutational signatures from sequencing data. <i>STAR Protocols</i> , 2021 , 2, 100911	1.4	0

4	Optimization of Carotenoids Production from Camelina sativa Meal Hydrolysate by Rhodosporidium toruloides. <i>Fermentation</i> , 2021 , 7, 208	4.7	○
3	State of the Art on the Microbial Production of Industrially Relevant Organic Acids. <i>Catalysts</i> , 2022 , 12, 234	4	○
2	Disruption of the GAS1 gene of Pichia pastoris confers a supersecretory phenotype for Rhizopus oryzae lipase, but not for human trypsinogen. <i>Microbial Cell Factories</i> , 2006 , 5, P69	6.4	
1	Molecular Tools for Leveraging the Potential of the Acid-Tolerant Yeast Zygosaccharomyces bailii as Cell Factory. <i>Methods in Molecular Biology</i> , 2022 , 179-204	1.4	