

M Esperanza Cerdn

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113
papers

2,017
citations

25
h-index

37
g-index

119
ext. papers

2,298
ext. citations

4.2
avg, IF

4.66
L-index

#	Paper	IF	Citations
113	New extremophilic lipases and esterases from metagenomics. <i>Current Protein and Peptide Science</i> , 2014 , 15, 445-55	2.8	120
112	Structural basis of specificity in tetrameric <i>Kluyveromyces lactis</i> β -galactosidase. <i>Journal of Structural Biology</i> , 2012 , 177, 392-401	3.4	78
111	A hypoxic consensus operator and a constitutive activation region regulate the ANB1 gene of <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1990 , 10, 5921-6	4.8	73
110	Respirofermentative metabolism in <i>Kluyveromyces lactis</i> : Insights and perspectives. <i>Enzyme and Microbial Technology</i> , 2000 , 26, 699-705	3.8	69
109	The yeast transcriptome in aerobic and hypoxic conditions: effects of hap1, rox1, rox3 and srb10 deletions. <i>Molecular Microbiology</i> , 2002 , 43, 545-55	4.1	68
108	Codon usage in <i>Kluyveromyces lactis</i> and in yeast cytochrome c-encoding genes. <i>Gene</i> , 1994 , 139, 43-9	3.8	62
107	Sugar metabolism, redox balance and oxidative stress response in the respiratory yeast <i>Kluyveromyces lactis</i> . <i>Microbial Cell Factories</i> , 2009 , 8, 46	6.4	61
106	Hot spring metagenomics. <i>Life</i> , 2013 , 3, 308-20	3	52
105	Respirofermentative metabolism in <i>Kluyveromyces lactis</i> : Ethanol production and the Crabtree effect. <i>Enzyme and Microbial Technology</i> , 1996 , 18, 585-591	3.8	51
104	Metagenomics of an Alkaline Hot Spring in Galicia (Spain): Microbial Diversity Analysis and Screening for Novel Lipolytic Enzymes. <i>Frontiers in Microbiology</i> , 2015 , 6, 1291	5.7	38
103	Reoxidation of cytosolic NADPH in <i>Kluyveromyces lactis</i> . <i>FEMS Yeast Research</i> , 2006 , 6, 371-80	3.1	38
102	Transcript analysis of 1003 novel yeast genes using high-throughput northern hybridizations. <i>EMBO Journal</i> , 2001 , 20, 3177-86	13	38
101	Reoxidation of the NADPH produced by the pentose phosphate pathway is necessary for the utilization of glucose by <i>Kluyveromyces lactis</i> rag2 mutants. <i>FEBS Letters</i> , 1996 , 387, 7-10	3.8	37
100	Micro-scale purification of β -galactosidase from <i>Kluyveromyces lactis</i> reveals that dimeric and tetrameric forms are active. <i>Biotechnology Letters</i> , 1998 , 12, 253-256		36
99	Transcriptome analysis of the thermotolerant yeast <i>Kluyveromyces marxianus</i> CCT 7735 under ethanol stress. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 6969-6980	5.7	35
98	Heterologous expression of glucose oxidase in the yeast <i>Kluyveromyces marxianus</i> . <i>Microbial Cell Factories</i> , 2010 , 9, 4	6.4	35
97	<i>Kluyveromyces marxianus</i> as a host for heterologous protein synthesis. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 6193-6208	5.7	31

96	Heterologous expression of a thermophilic esterase in <i>Kluyveromyces</i> yeasts. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 375-85	5.7	31
95	Structural analysis of <i>Saccharomyces cerevisiae</i> alpha-galactosidase and its complexes with natural substrates reveals new insights into substrate specificity of GH27 glycosidases. <i>Journal of Biological Chemistry</i> , 2010 , 285, 28020-33	5.4	31
94	The nuclear genes encoding the internal (KIND11) and external (KINDE1) alternative NAD(P)H:ubiquinone oxidoreductases of mitochondria from <i>Kluyveromyces lactis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005 , 1707, 199-210	4.6	28
93	Secretion and properties of a hybrid <i>Kluyveromyces lactis</i> - <i>Aspergillus niger</i> beta-galactosidase. <i>Microbial Cell Factories</i> , 2006 , 5, 41	6.4	28
92	New secretory strategies for <i>Kluyveromyces lactis</i> beta-galactosidase. <i>Protein Engineering, Design and Selection</i> , 2001 , 14, 379-86	1.9	28
91	Permeabilization of <i>Kluyveromyces lactis</i> cells for milk whey saccharification: A comparison of different treatments. <i>Biotechnology Letters</i> , 1992 , 6, 289-292		28
90	Biobutanol from cheese whey. <i>Microbial Cell Factories</i> , 2015 , 14, 27	6.4	27
89	Cellulases from Thermophiles Found by Metagenomics. <i>Microorganisms</i> , 2018 , 6,	4.9	27
88	Engineered autolytic yeast strains secreting <i>Kluyveromyces lactis</i> beta-galactosidase for production of heterologous proteins in lactose media. <i>Journal of Biotechnology</i> , 2004 , 109, 131-7	3.7	25
87	Heme-mediated transcriptional control in <i>Kluyveromyces lactis</i> . <i>Current Genetics</i> , 2000 , 38, 171-7	2.9	24
86	Transcript analysis of 250 novel yeast genes from chromosome XIV. <i>Yeast</i> , 1999 , 15, 329-50	3.4	24
85	Regulation of cytochrome c expression in the aerobic respiratory yeast <i>Kluyveromyces lactis</i> . <i>FEBS Letters</i> , 1995 , 360, 39-42	3.8	24
84	Covalent immobilization of beta-galactosidase on corn grits. A system for lactose hydrolysis without diffusional resistance. <i>Process Biochemistry</i> , 1994 , 29, 7-12	4.8	24
83	Characterization of the second external alternative dehydrogenase from mitochondria of the respiratory yeast <i>Kluyveromyces lactis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 1476-84	4.6	23
82	Heterologous expression of an esterase from <i>Thermus thermophilus</i> HB27 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2010 , 145, 226-32	3.7	22
81	Heterologous <i>Kluyveromyces lactis</i> beta-galactosidase production and release by <i>Saccharomyces cerevisiae</i> osmotic-remedial thermosensitive autolytic mutants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997 , 1335, 235-41	4	22
80	Disruption of six novel <i>Saccharomyces cerevisiae</i> genes reveals that YGL129c is necessary for growth in non-fermentable carbon sources, YGL128c for growth at low or high temperatures and YGL125w is implicated in the biosynthesis of methionine. <i>Yeast</i> , 1999 , 15, 145-54	3.4	21
79	Sequence of a cytochrome c gene from <i>Kluyveromyces lactis</i> and its upstream region. <i>Yeast</i> , 1993 , 9, 201-4	3.4	19

78	Oxygen-dependent upstream activation sites of <i>Saccharomyces cerevisiae</i> cytochrome c genes are related forms of the same sequence. <i>Molecular and Cellular Biology</i> , 1988 , 8, 2275-9	4.8	19
77	High Mobility Group B Proteins, Their Partners, and Other Redox Sensors in Ovarian and Prostate Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 5845061	6.7	19
76	β-Aminolevulinatase synthase is required for apical transcellular barrier formation in the skin of the <i>Drosophila</i> larva. <i>European Journal of Cell Biology</i> , 2012 , 91, 204-15	6.1	18
75	Bioconversion of Beet Molasses to Alpha-Galactosidase and Ethanol. <i>Frontiers in Microbiology</i> , 2019 , 10, 405	5.7	17
74	Genomic Sequence of the Yeast <i>Kluyveromyces marxianus</i> CCT 7735 (UFV-3), a Highly Lactose-Fermenting Yeast Isolated from the Brazilian Dairy Industry. <i>Genome Announcements</i> , 2014 , 2,		17
73	Genome-wide analysis of <i>Kluyveromyces lactis</i> in wild-type and <i>rag2</i> mutant strains. <i>Genome</i> , 2004 , 47, 970-8	2.4	17
72	Functional characterization of KIHAP1: a model to foresee different mechanisms of transcriptional regulation by Hap1p in yeasts. <i>Gene</i> , 2007 , 405, 96-107	3.8	16
71	Genome-wide analysis of the yeast transcriptome upon heat and cold shock. <i>Comparative and Functional Genomics</i> , 2003 , 4, 366-75		16
70	Structural features of <i>Aspergillus niger</i> β-galactosidase define its activity against glycoside linkages. <i>FEBS Journal</i> , 2017 , 284, 1815-1829	5.7	15
69	Cloning, expression, purification and characterization of an oligomeric His-tagged thermophilic esterase from <i>Thermus thermophilus</i> HB27. <i>Process Biochemistry</i> , 2014 , 49, 927-935	4.8	15
68	Production and characterization of two N-terminal truncated esterases from <i>Thermus thermophilus</i> HB27 in a mesophilic yeast: effect of N-terminus in thermal activity and stability. <i>Protein Expression and Purification</i> , 2011 , 78, 120-30	2	15
67	Dealing with different methods for <i>Kluyveromyces lactis</i> beta-galactosidase purification. <i>Biological Procedures Online</i> , 1998 , 1, 48-58	8.3	15
66	An approach to the hypoxic and oxidative stress responses in <i>Kluyveromyces lactis</i> by analysis of mRNA levels. <i>FEMS Yeast Research</i> , 2007 , 7, 702-14	3.1	15
65	Rational mutagenesis by engineering disulphide bonds improves <i>Kluyveromyces lactis</i> beta-galactosidase for high-temperature industrial applications. <i>Scientific Reports</i> , 2017 , 7, 45535	4.9	14
64	The yeast hypoxic responses, resources for new biotechnological opportunities. <i>Biotechnology Letters</i> , 2012 , 34, 2161-73	3	14
63	Ixr1p and the control of the <i>Saccharomyces cerevisiae</i> hypoxic response. <i>Applied Microbiology and Biotechnology</i> , 2012 , 94, 173-84	5.7	14
62	The Challenges and Opportunities of LncRNAs in Ovarian Cancer Research and Clinical Use. <i>Cancers</i> , 2020 , 12,	6.6	13
61	Improved bioethanol production in an engineered <i>Kluyveromyces lactis</i> strain shifted from respiratory to fermentative metabolism by deletion of ND11. <i>Microbial Biotechnology</i> , 2015 , 8, 319-30	6.3	13

60	Regulatory factors controlling transcription of <i>Saccharomyces cerevisiae</i> IXR1 by oxygen levels: a model of transcriptional adaptation from aerobiosis to hypoxia implicating ROX1 and IXR1 cross-regulation. <i>Biochemical Journal</i> , 2009 , 425, 235-43	3.8	13
59	Isolation and characterization of the KlHEM1 gene in <i>Kluyveromyces lactis</i> . <i>Yeast</i> , 1997 , 13, 961-71	3.4	13
58	The role of glutathione reductase in the interplay between oxidative stress response and turnover of cytosolic NADPH in <i>Kluyveromyces lactis</i> . <i>FEMS Yeast Research</i> , 2008 , 8, 597-606	3.1	13
57	Characterization of promoter regions involved in high expression of KLCYC1. <i>FEBS Journal</i> , 1998 , 256, 67-74		12
56	Isolation and characterization of two nuclear genes encoding glutathione and thioredoxin reductases from the yeast <i>Kluyveromyces lactis</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004 , 1678, 170-5		12
55	Haem regulation of the mitochondrial import of the <i>Kluyveromyces lactis</i> 5-aminolaevulinate synthase: an organelle approach. <i>Yeast</i> , 2001 , 18, 41-8	3.4	12
54	<i>Thermus thermophilus</i> as a Source of Thermostable Lipolytic Enzymes. <i>Microorganisms</i> , 2015 , 3, 792-808	4.9	11
53	<i>Kluyveromyces lactis</i> : a suitable yeast model to study cellular defense mechanisms against hypoxia-induced oxidative stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2012 , 2012, 634674	6.7	11
52	KlRox1p contributes to yeast resistance to metals and is necessary for KLYCF1 expression in the presence of cadmium. <i>Gene</i> , 2012 , 497, 27-37	3.8	10
51	Proteomic analysis of the oxidative stress response in <i>Kluyveromyces lactis</i> and effect of glutathione reductase depletion. <i>Journal of Proteome Research</i> , 2010 , 9, 2358-76	5.6	10
50	A transcriptome analysis of <i>Kluyveromyces lactis</i> growing in cheese whey. <i>International Dairy Journal</i> , 2006 , 16, 207-214	3.5	10
49	Heterologous <i>Kluyveromyces lactis</i> β -galactosidase secretion by <i>Saccharomyces cerevisiae</i> super-secreting mutants. <i>Biotechnology Letters</i> , 2001 , 23, 33-40	3	10
48	Functional characterization of KlHEM13, a hypoxic gene of <i>Kluyveromyces lactis</i> . <i>Canadian Journal of Microbiology</i> , 2005 , 51, 241-9	3.2	9
47	The KLCYC1 gene, a downstream region for two differentially regulated transcripts. <i>Yeast</i> , 2001 , 18, 1347-55	3.4	9
46	Transcript analysis of 203 novel genes from <i>Saccharomyces cerevisiae</i> in hap1 and rox1 mutant backgrounds. <i>Genome</i> , 2000 , 43, 881-6	2.4	9
45	HMGB proteins involved in TOR signaling as general regulators of cell growth by controlling ribosome biogenesis. <i>Current Genetics</i> , 2018 , 64, 1205-1213	2.9	8
44	<i>Kluyveromyces lactis</i> β -galactosidase crystallization using full-factorial experimental design. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008 , 52-53, 178-182		8
43	Regulatory elements in the KlHEM1 promoter. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008 , 1779, 128-33	6	8

42	Cloning genes from a library using a clustering strategy and PCR. <i>Molecular Biotechnology</i> , 2004 , 26, 35-8		8
41	Kluyveromyces lactis HIS4 transcriptional regulation: similarities and differences to Saccharomyces cerevisiae HIS4 gene. <i>FEBS Letters</i> , 1999 , 458, 72-6	3.8	8
40	Identification of a putative methylenetetrahydrofolate reductase by sequence analysis of a 618 kb DNA fragment of yeast chromosome VII. <i>Yeast</i> , 1996 , 12, 1047-1051	3.4	8
39	Valuation of agro-industrial wastes as substrates for heterologous production of β -galactosidase. <i>Microbial Cell Factories</i> , 2018 , 17, 137	6.4	8
38	Ixr1 Regulates Ribosomal Gene Transcription and Yeast Response to Cisplatin. <i>Scientific Reports</i> , 2018 , 8, 3090	4.9	7
37	Ixr1p regulates oxygen-dependent HEM13 transcription. <i>FEMS Yeast Research</i> , 2010 , 10, 309-21	3.1	7
36	Genome-wide analysis of yeast transcription upon calcium shortage. <i>Cell Calcium</i> , 2002 , 32, 83-91	4	7
35	Metabolic engineering for direct lactose utilization by Saccharomyces cerevisiae. <i>Biotechnology Letters</i> , 2002 , 24, 1391-1396	3	7
34	Delineating the HMGB1 and HMGB2 interactome in prostate and ovary epithelial cells and its relationship with cancer. <i>Oncotarget</i> , 2018 , 9, 19050-19064	3.3	7
33	KlGcr1 controls glucose-6-phosphate dehydrogenase activity and responses to H ₂ O ₂ , cadmium and arsenate in Kluyveromyces lactis. <i>Fungal Genetics and Biology</i> , 2015 , 82, 95-103	3.9	6
32	Characterization of mussel H2A.Z.2: a new H2A.Z variant preferentially expressed in germinal tissues from Mytilus. <i>Biochemistry and Cell Biology</i> , 2016 , 94, 480-490	3.6	6
31	Optimization of Saccharomyces cerevisiae β -galactosidase production and application in the degradation of raffinose family oligosaccharides. <i>Microbial Cell Factories</i> , 2019 , 18, 172	6.4	6
30	Crystallization and preliminary X-ray crystallographic analysis of beta-galactosidase from Kluyveromyces lactis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010 , 66, 297-300		6
29	Characterization of HMGB1/2 Interactome in Prostate Cancer by Yeast Two Hybrid Approach: Potential Pathobiological Implications. <i>Cancers</i> , 2019 , 11,	6.6	5
28	The HIS4 gene from the yeast Kluyveromyces lactis. <i>Yeast</i> , 1998 , 14, 687-91	3.4	5
27	PICDI, a simple program for codon bias calculation. <i>Molecular Biotechnology</i> , 1996 , 5, 191-5	3	5
26	Dual function of Ixr1 in transcriptional regulation and recognition of cisplatin-DNA adducts is caused by differential binding through its two HMG-boxes. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017 , 1860, 256-269	6	4
25	Sky1 regulates the expression of sulfur metabolism genes in response to cisplatin. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1357-1368	2.9	4

24	Crystallization and preliminary X-ray diffraction data of β -galactosidase from <i>Aspergillus niger</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 1529-31	1.1	4
23	SKY1 and IXR1 interactions, their effects on cisplatin and spermine resistance in <i>Saccharomyces cerevisiae</i> . <i>Canadian Journal of Microbiology</i> , 2012 , 58, 184-8	3.2	4
22	A functional analysis of <i>Kluyveromyces lactis</i> glutathione reductase. <i>Yeast</i> , 2010 , 27, 431-41	3.4	4
21	Functional motifs outside the kinase domain of yeast Srb10p. Their role in transcriptional regulation and protein-interactions with Tup1p and Srb11p. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 1227-35	4	4
20	Functional characterisation and transcriptional regulation of the KIHEM12 gene from <i>Kluyveromyces lactis</i> . <i>Current Genetics</i> , 2004 , 46, 147-57	2.9	4
19	The KISRB10 gene from <i>Kluyveromyces lactis</i> . <i>Yeast</i> , 2004 , 21, 511-8	3.4	4
18	Proteomic analyses reveal that Sky1 modulates apoptosis and mitophagy in <i>Saccharomyces cerevisiae</i> cells exposed to cisplatin. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 12573-90	6.3	3
17	Comparative transcriptome analysis of yeast strains carrying <i>slt2</i> , <i>rlm1</i> , and <i>pop2</i> deletions. <i>Genome</i> , 2011 , 54, 99-109	2.4	3
16	Chromosomal mapping of the KLCYC1 gene from <i>Kluyveromyces lactis</i> . <i>Genome</i> , 1994 , 37, 515-7	2.4	3
15	The HMGB1-2 Ovarian Cancer Interactome. The Role of HMGB Proteins and Their Interacting Partners MIEN1 and NOP53 in Ovary Cancer and Drug-Response. <i>Cancers</i> , 2020 , 12,	6.6	3
14	Genomic analysis and lactose transporter expression in <i>Kluyveromyces marxianus</i> CCT 7735. <i>Fungal Biology</i> , 2019 , 123, 687-697	2.8	2
13	Crystallization and preliminary X-ray diffraction data of alpha-galactosidase from <i>Saccharomyces cerevisiae</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010 , 66, 44-7		2
12	The <i>Kluyveromyces lactis</i> gene KLGSK-3 combines functions which in <i>Saccharomyces cerevisiae</i> are performed by MCK1 and MSD1. <i>Current Genetics</i> , 1998 , 33, 262-7	2.9	2
11	Isolation and transcriptional regulation of the <i>Kluyveromyces lactis</i> FBA1 (fructose-1,6-bisphosphate aldolase) gene. <i>Canadian Journal of Microbiology</i> , 2004 , 50, 645-52	3.2	2
10	The yeast transcriptome in aerobic and hypoxic conditions: effects of <i>hap1</i> , <i>rox1</i> , <i>rox3</i> and <i>srb10</i> deletions. <i>Molecular Microbiology</i> , 2002 , 45, 265-265	4.1	2
9	Isolation and characterization of a NADH-dehydrogenase from rat liver mitochondria. <i>Revista Española De Fisiología</i> , 1987 , 43, 13-7		2
8	Heat-Loving β -Galactosidases from Cultured and Uncultured Microorganisms. <i>Current Protein and Peptide Science</i> , 2018 , 19, 1224-1234	2.8	2
7	Structural determination of Enzyme-Graphene Nanocomposite Sensor Material. <i>Scientific Reports</i> , 2019 , 9, 15519	4.9	1

6	Two proteins with different functions are derived from the KIHEM13 gene. <i>Eukaryotic Cell</i> , 2011 , 10, 1331-9		1
5	A functional analysis of KLSRB10: implications in <i>Kluyveromyces lactis</i> transcriptional regulation. <i>Yeast</i> , 2007 , 24, 1061-73	3-4	1
4	Differential Characteristics of HMGB2 Versus HMGB1 and their Perspectives in Ovary and Prostate Cancer. <i>Current Medicinal Chemistry</i> , 2020 , 27, 3271-3289	4-3	1
3	Characterization of a gene similar to BIK1 in the yeast <i>Kluyveromyces lactis</i> . <i>Yeast</i> , 2004 , 21, 1067-75	3-4	0
2	Heterologous <i>Aspergillus niger</i> β -galactosidase secretion by <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2007 , 131, S199-S200	3-7	
1	Extremophilic Esterases for Bioprocessing of Lignocellulosic Feedstocks 2017 , 205-223		