

# M Esperanza Cerdán

## List of Publications by Year in descending order

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117  
papers

2,543  
citations

201674

27  
h-index

265206

42  
g-index

119  
all docs

119  
docs citations

119  
times ranked

2546  
citing authors

#	ARTICLE	IF	CITATIONS
1	HMG Proteins from Molecules to Disease. <i>Biomolecules</i> , 2022, 12, 319.	4.0	0
2	The HMGB Protein Klxr1, a DNA Binding Regulator of <i>Kluyveromyces lactis</i> Gene Expression Involved in Oxidative Metabolism, Growth, and dNTP Synthesis. <i>Biomolecules</i> , 2021, 11, 1392.	4.0	2
3	HMGB1 Protein Interactions in Prostate and Ovary Cancer Models Reveal Links to RNA Processing and Ribosome Biogenesis through NuRD, THOC and Septin Complexes. <i>Cancers</i> , 2021, 13, 4686.	3.7	4
4	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, 2435.	3.7	11
5	The Challenges and Opportunities of LncRNAs in Ovarian Cancer Research and Clinical Use. <i>Cancers</i> , 2020, 12, 1020.	3.7	26
6	Differential Characteristics of HMGB2 Versus HMGB1 and their Perspectives in Ovary and Prostate Cancer. <i>Current Medicinal Chemistry</i> , 2020, 27, 3271-3289.	2.4	4
7	Optimization of <i>Saccharomyces cerevisiae</i> $\beta$ -galactosidase production and application in the degradation of raffinose family oligosaccharides. <i>Microbial Cell Factories</i> , 2019, 18, 172.	4.0	20
8	Structural determination of Enzyme-Graphene Nanocomposite Sensor Material. <i>Scientific Reports</i> , 2019, 9, 15519.	3.3	3
9	Characterization of HMGB1/2 Interactome in Prostate Cancer by Yeast Two Hybrid Approach: Potential Pathobiological Implications. <i>Cancers</i> , 2019, 11, 1729.	3.7	12
10	Genomic analysis and lactose transporter expression in <i>Kluyveromyces marxianus</i> CCT 7735. <i>Fungal Biology</i> , 2019, 123, 687-697.	2.5	4
11	Bioconversion of Beet Molasses to Alpha-Galactosidase and Ethanol. <i>Frontiers in Microbiology</i> , 2019, 10, 405.	3.5	22
12	Klxl1 Regulates Ribosomal Gene Transcription and Yeast Response to Cisplatin. <i>Scientific Reports</i> , 2018, 8, 3090.	3.3	11
13	HMGB proteins involved in TOR signaling as general regulators of cell growth by controlling ribosome biogenesis. <i>Current Genetics</i> , 2018, 64, 1205-1213.	1.7	15
14	Heat-Loving $\beta$ -Galactosidases from Cultured and Uncultured Microorganisms. <i>Current Protein and Peptide Science</i> , 2018, 19, 1224-1234.	1.4	4
15	Valuation of agro-industrial wastes as substrates for heterologous production of $\beta$ -galactosidase. <i>Microbial Cell Factories</i> , 2018, 17, 137.	4.0	16
16	Cellulases from Thermophiles Found by Metagenomics. <i>Microorganisms</i> , 2018, 6, 66.	3.6	46
17	Delineating the HMGB1 and HMGB2 interactome in prostate and ovary epithelial cells and its relationship with cancer. <i>Oncotarget</i> , 2018, 9, 19050-19064.	1.8	9
18	Structural features of <i>Aspergillus niger</i> $\beta$ -galactosidase define its activity against glycoside linkages. <i>FEBS Journal</i> , 2017, 284, 1815-1829.	4.7	25

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19	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.	3.3	24
20	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.	3.6	57
21	Dual function of <i>Ixr1</i> 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.	1.9	9
22	Extremophilic Esterases for Bioprocessing of Lignocellulosic Feedstocks. , 2017, , 205-223.		0
23	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, 1-17.	4.0	29
24	<i>Kluyveromyces marxianus</i> as a host for heterologous protein synthesis. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6193-6208.	3.6	49
25	Characterization of mussel H2A.Z.2: a new H2A.Z variant preferentially expressed in germinal tissues from <i>Mytilus</i> . <i>Biochemistry and Cell Biology</i> , 2016, 94, 480-490.	2.0	7
26	<i>Thermus thermophilus</i> as a Source of Thermostable Lipolytic Enzymes. <i>Microorganisms</i> , 2015, 3, 792-808.	3.6	13
27	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.	3.5	54
28	Improved bioethanol production in an engineered <i>Kluyveromyces lactis</i> strain shifted from respiratory to fermentative metabolism by deletion of <i>NDI 1</i> . <i>Microbial Biotechnology</i> , 2015, 8, 319-330.	4.2	15
29	Biobutanol from cheese whey. <i>Microbial Cell Factories</i> , 2015, 14, 27.	4.0	35
30	<i>KlGcr1</i> controls glucose-6-phosphate dehydrogenase activity and responses to H <sub>2</sub> O <sub>2</sub> , cadmium and arsenate in <i>Kluyveromyces lactis</i> . <i>Fungal Genetics and Biology</i> , 2015, 82, 95-103.	2.1	7
31	<i>Sky1</i> regulates the expression of sulfur metabolism genes in response to cisplatin. <i>Microbiology (United Kingdom)</i> , 2014, 160, 1357-1368.	1.8	6
32	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, .	0.8	23
33	Proteomic Analyses Reveal that <i>Sky1</i> Modulates Apoptosis and Mitophagy in <i>Saccharomyces cerevisiae</i> Cells Exposed to Cisplatin. <i>International Journal of Molecular Sciences</i> , 2014, 15, 12573-12590.	4.1	3
34	Crystallization and preliminary X-ray diffraction data of Î²-galactosidase from <i>Aspergillus niger</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1529-1531.	0.8	4
35	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.	3.7	17
36	New Extremophilic Lipases and Esterases from Metagenomics. <i>Current Protein and Peptide Science</i> , 2014, 15, 445-455.	1.4	144

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37	Hot Spring Metagenomics. <i>Life</i> , 2013, 3, 308-320.	2.4	69
38	The yeast hypoxic responses, resources for new biotechnological opportunities. <i>Biotechnology Letters</i> , 2012, 34, 2161-2173.	2.2	15
39	Structural basis of specificity in tetrameric <i>Kluyveromyces lactis</i> $\beta$ -galactosidase. <i>Journal of Structural Biology</i> , 2012, 177, 392-401.	2.8	88
40	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.	2.2	14
41	SKY1 and IXR1 interactions, their effects on cisplatin and spermine resistance in <i>Saccharomyces cerevisiae</i> . <i>Canadian Journal of Microbiology</i> , 2012, 58, 184-188.	1.7	5
42	<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, 1-14.	4.0	15
43	lrx1p and the control of the <i>Saccharomyces cerevisiae</i> hypoxic response. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 173-184.	3.6	22
44	$\beta$ -Aminolevulinic 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, 204-215.	3.6	23
45	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.	2.0	3
46	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, 120-130.	1.3	17
47	Heterologous expression of a thermophilic esterase in <i>Kluyveromyces</i> yeasts. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 375-385.	3.6	34
48	Two Proteins with Different Functions Are Derived from the <i>KlHEM13</i> Gene. <i>Eukaryotic Cell</i> , 2011, 10, 1331-1339.	3.4	1
49	Regulatory factors controlling transcription of <i>Saccharomyces cerevisiae</i> <i>IXR1</i> by oxygen levels: a model of transcriptional adaptation from aerobiosis to hypoxia implicating <i>ROX1</i> and <i>IXR1</i> cross-regulation. <i>Biochemical Journal</i> , 2010, 425, 235-243.	3.7	20
50	Heterologous expression of glucose oxidase in the yeast <i>Kluyveromyces marxianus</i> . <i>Microbial Cell Factories</i> , 2010, 9, 4.	4.0	40
51	Heterologous expression of an esterase from <i>Thermus thermophilus</i> HB27 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2010, 145, 226-232.	3.8	25
52	Crystallization and preliminary X-ray diffraction data of $\beta$ -galactosidase from <i>Saccharomyces cerevisiae</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 44-47.	0.7	2
53	Crystallization and preliminary X-ray crystallographic analysis of $\beta$ -galactosidase from <i>Kluyveromyces lactis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 297-300.	0.7	9
54	A functional analysis of <i>Kluyveromyces lactis</i> glutathione reductase. <i>Yeast</i> , 2010, 27, 431-441.	1.7	6

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55	lxl1p regulates oxygen-dependent $\beta$ -HEM13 transcription. FEMS Yeast Research, 2010, 10, 309-321.	2.3	13
56	Proteomic Analysis of the Oxidative Stress Response in <i>Kluyveromyces lactis</i> and Effect of Glutathione Reductase Depletion. Journal of Proteome Research, 2010, 9, 2358-2376.	3.7	12
57	Structural Analysis of <i>Saccharomyces cerevisiae</i> $\beta$ -Galactosidase and Its Complexes with Natural Substrates Reveals New Insights into Substrate Specificity of GH27 Glycosidases. Journal of Biological Chemistry, 2010, 285, 28020-28033.	3.4	36
58	Sugar metabolism, redox balance and oxidative stress response in the respiratory yeast <i>Kluyveromyces lactis</i> . Microbial Cell Factories, 2009, 8, 46.	4.0	75
59	The role of glutathione reductase in the interplay between oxidative stress response and turnover of cytosolic NADPH in <i>Kluyveromyces lactis</i> . FEMS Yeast Research, 2008, 8, 597-606.	2.3	18
60	<i>Kluyveromyces lactis</i> $\beta$ -galactosidase crystallization using full-factorial experimental design. Journal of Molecular Catalysis B: Enzymatic, 2008, 52-53, 178-182.	1.8	8
61	Regulatory elements in the KHEM1 promoter. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 128-133.	1.9	9
62	Functional characterization of KIHAP1: A model to foresee different mechanisms of transcriptional regulation by Hap1p in yeasts. Gene, 2007, 405, 96-107.	2.2	18
63	Heterologous <i>Aspergillus niger</i> $\beta$ -galactosidase secretion by <i>Saccharomyces cerevisiae</i> . Journal of Biotechnology, 2007, 131, S199-S200.	3.8	0
64	Functional motifs outside the kinase domain of yeast Srb10p. Their role in transcriptional regulation and protein-interactions with Tup1p and Srb11p. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1227-1235.	2.3	7
65	A functional analysis of <i>KLSRB10</i> : implications in <i>Kluyveromyces lactis</i> transcriptional regulation. Yeast, 2007, 24, 1061-1073.	1.7	2
66	An approach to the hypoxic and oxidative stress responses in <i>Kluyveromyces lactis</i> by analysis of mRNA levels. FEMS Yeast Research, 2007, 7, 702-714.	2.3	17
67	Secretion and properties of a hybrid <i>Kluyveromyces lactis</i> - <i>Aspergillus niger</i> beta-galactosidase. Microbial Cell Factories, 2006, 5, 41.	4.0	33
68	Characterization of the second external alternative dehydrogenase from mitochondria of the respiratory yeast <i>Kluyveromyces lactis</i> . Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1476-1484.	1.0	24
69	A transcriptome analysis of <i>Kluyveromyces lactis</i> growing in cheese whey. International Dairy Journal, 2006, 16, 207-214.	3.0	11
70	Reoxidation of cytosolic NADPH in <i>Kluyveromyces lactis</i> . FEMS Yeast Research, 2006, 6, 371-380.	2.3	43
71	Functional characterization of KIHEM13, a hypoxic gene of <i>Kluyveromyces lactis</i> . Canadian Journal of Microbiology, 2005, 51, 431-431.	1.7	1
72	Functional characterization of KIHEM13, a hypoxic gene of <i>Kluyveromyces lactis</i> . Canadian Journal of Microbiology, 2005, 51, 241-249.	1.7	11

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73	The nuclear genes encoding the internal (KIND1) 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.	1.0	31
74	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, 170-175.	2.4	14
75	Cloning Genes From a Library Using a Clustering Strategy and PCR. <i>Molecular Biotechnology</i> , 2004, 26, 35-38.	2.4	8
76	Functional characterisation and transcriptional regulation of the KHEM12 gene from <i>Kluyveromyces lactis</i> . <i>Current Genetics</i> , 2004, 46, 147-57.	1.7	6
77	The KISR10 gene from <i>Kluyveromyces lactis</i> . <i>Yeast</i> , 2004, 21, 511-518.	1.7	5
78	Characterization of a gene similar to BIK1 in the yeast <i>Kluyveromyces lactis</i> . <i>Yeast</i> , 2004, 21, 1067-1075.	1.7	2
79	Isolation and transcriptional regulation of the <i>Kluyveromyces lactis</i> FBA1 (fructose-1,6-bisphosphate) Tj ETQq1 1 0.784314 rgBJ /Overl	1.7	5
80	Genome-wide analysis of <i>Kluyveromyces lactis</i> in wild-type and rag2 mutant strains. <i>Genome</i> , 2004, 47, 970-978.	2.0	21
81	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, 131-137.	3.8	27
82	Genome-Wide Analysis of the Yeast Transcriptome Upon Heat and Cold Shock. <i>Comparative and Functional Genomics</i> , 2003, 4, 366-375.	2.0	18
83	Genome-Wide analysis of yeast transcription upon calcium shortage. <i>Cell Calcium</i> , 2002, 32, 83-91.	2.4	9
84	The yeast transcriptome in aerobic and hypoxic conditions: effects of hap1, rox1, rox3 and srb10 deletions. <i>Molecular Microbiology</i> , 2002, 43, 545-555.	2.5	77
85	The yeast transcriptome in aerobic and hypoxic conditions: effects of hap1, rox1, rox3 and srb10 deletions. <i>Molecular Microbiology</i> , 2002, 45, 265-265.	2.5	2
86	Metabolic engineering for direct lactose utilization by <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2002, 24, 1391-1396.	2.2	10
87	The KLCY1 gene, a downstream region for two differentially regulated transcripts. <i>Yeast</i> , 2001, 18, 1347-1355.	1.7	12
88	Haem regulation of the mitochondrial import of the <i>Kluyveromyces lactis</i> 5-aminolaevulinic synthase: an organelle approach. <i>Yeast</i> , 2001, 18, 41-48.	1.7	15
89	Transcript analysis of 1003 novel yeast genes using high-throughput northern hybridizations. <i>EMBO Journal</i> , 2001, 20, 3177-3186.	7.8	45
90	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 33-40.	2.2	13

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91	New secretory strategies for <i>Kluyveromyces lactis</i> $\beta$ -galactosidase. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 379-386.	2.1	39
92	Respirofermentative metabolism in <i>Kluyveromyces lactis</i> . <i>Enzyme and Microbial Technology</i> , 2000, 26, 699-705.	3.2	81
93	Heme-mediated transcriptional control in <i>Kluyveromyces lactis</i> . <i>Current Genetics</i> , 2000, 38, 171-177.	1.7	27
94	Transcript analysis of 203 novel genes from <i>Saccharomyces cerevisiae</i> in hap1 and rox1 mutant backgrounds. <i>Genome</i> , 2000, 43, 881-886.	2.0	10
95	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. , 1999, 15, 145-154.		24
96	Transcript analysis of 250 novel yeast genes from chromosome XIV. , 1999, 15, 329-350.		33
97	<i>Kluyveromyces lactis</i> HIS4 transcriptional regulation: similarities and differences to <i>Saccharomyces cerevisiae</i> HIS4 gene. <i>FEBS Letters</i> , 1999, 458, 72-76.	2.8	10
98	Title is missing!. <i>Biotechnology Letters</i> , 1998, 12, 253-256.	0.5	40
99	Dealing with different methods for <i>Kluyveromyces lactis</i> $\beta$ -galactosidase purification. <i>Biological Procedures Online</i> , 1998, 1, 48-58.	2.9	19
100	Characterization of promoter regions involved in high expression of KICYC1. <i>FEBS Journal</i> , 1998, 256, 67-74.	0.2	13
101	The HIS4 gene from the yeast <i>Kluyveromyces lactis</i> . , 1998, 14, 687-691.		5
102	The <i>Kluyveromyces lactis</i> gene KIGSK-3 combines functions which in <i>Saccharomyces cerevisiae</i> are performed by MCK1 and MSD1. <i>Current Genetics</i> , 1998, 33, 262-267.	1.7	2
103	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, 235-241.	2.4	27
104	Isolation and Characterization of the KIHEM1 Gene in <i>Kluyveromyces lactis</i> . , 1997, 13, 961-971.		16
105	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.	2.8	41
106	PICDI, a simple program for codon bias calculation. <i>Molecular Biotechnology</i> , 1996, 5, 191-195.	2.4	7
107	Identification of a putative methylenetetrahydrofolate reductase by sequence analysis of a 6.8 kb DNA fragment of yeast chromosome VII. <i>Yeast</i> , 1996, 12, 1047-1051.	1.7	8
108	Respirofermentative metabolism in <i>Kluyveromyces lactis</i> : Ethanol production and the Crabtree effect. <i>Enzyme and Microbial Technology</i> , 1996, 18, 585-591.	3.2	59

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109	Regulation of cytochrome expression in the aerobic respiratory yeast <i>Kluyveromyces lactis</i> . <i>FEBS Letters</i> , 1995, 360, 39-42.	2.8	28
110	Chromosomal mapping of the <i>KlCYC1</i> gene from <i>Kluyveromyces lactis</i> . <i>Genome</i> , 1994, 37, 515-517.	2.0	4
111	Covalent immobilization of $\beta$ -galactosidase on corn grits. A system for lactose hydrolysis without diffusional resistance. <i>Process Biochemistry</i> , 1994, 29, 7-12.	3.7	27
112	Codon usage in <i>Kluyveromyces lactis</i> and in yeast cytochrome c-encoding genes. <i>Gene</i> , 1994, 139, 43-49.	2.2	71
113	Sequence of a cytochrome c gene from <i>Kluyveromyces lactis</i> and its upstream region. <i>Yeast</i> , 1993, 9, 201-204.	1.7	20
114	Permeabilization of <i>Kluyveromyces lactis</i> cells for milk whey saccharification: A comparison of different treatments. <i>Biotechnology Letters</i> , 1992, 6, 289-292.	0.5	29
115	A hypoxic consensus operator and a constitutive activation region regulate the <i>ANB1</i> gene of <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1990, 10, 5921-5926.	2.3	82
116	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, 2275-2279.	2.3	23
117	Isolation and characterization of a NADH-dehydrogenase from rat liver mitochondria. <i>Revista Española De Fisiología</i> , 1987, 43, 13-7.	0.0	2