Manuel Becerra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7618907/publications.pdf

Version: 2024-02-01

64 papers	1,354 citations	331259 21 h-index	360668 35 g-index
64 all docs	64 docs citations	64 times ranked	1701 citing authors

#	Article	IF	Citations
1	Bioprospecting for Thermozymes and Characterization of a Novel Lipolytic Thermozyme Belonging to the SGNH/GDSL Family of Hydrolases. International Journal of Molecular Sciences, 2022, 23, 5733.	1.8	1
2	Characterization of a novel thermophilic metagenomic GH5 endoglucanase heterologously expressed in Escherichia coli and Saccharomyces cerevisiae. , 2022, 15, .		4
3	Biochemical and Structural Characterization of a novel thermophilic esterase EstD11 provide catalytic insights for the HSL family. Computational and Structural Biotechnology Journal, 2021, 19, 1214-1232.	1.9	17
4	Hot Springs Thermophilic Microbiomes. , 2021, , 87-105.		0
5	The HMGB Protein Kllxr1, a DNA Binding Regulator of Kluyveromyces lactis Gene Expression Involved in Oxidative Metabolism, Growth, and dNTP Synthesis. Biomolecules, 2021, 11, 1392.	1.8	2
6	Biovalorization of cheese whey and molasses wastes to galactosidases by recombinant yeasts. , 2020, , 149-161.		6
7	Microbial diversity analysis and screening for novel xylanase enzymes from the sediment of the Lobios Hot Spring in Spain. Scientific Reports, 2019, 9, 11195.	1.6	37
8	Optimization of Saccharomyces cerevisiae Î±-galactosidase production and application in the degradation of raffinose family oligosaccharides. Microbial Cell Factories, 2019, 18, 172.	1.9	20
9	Bioconversion of Beet Molasses to Alpha-Galactosidase and Ethanol. Frontiers in Microbiology, 2019, 10, 405.	1.5	22
10	Heat-Loving Î²-Galactosidases from Cultured and Uncultured Microorganisms. Current Protein and Peptide Science, 2018, 19, 1224-1234.	0.7	4
11	Valuation of agro-industrial wastes as substrates for heterologous production of Î±-galactosidase. Microbial Cell Factories, 2018, 17, 137.	1.9	16
12	Advances of Functional Metagenomics in Harnessing Thermozymes. , 2018, , 289-307.		3
13	Cellulases from Thermophiles Found by Metagenomics. Microorganisms, 2018, 6, 66.	1.6	46
14	Structural features of Aspergillus niger Î²â€galactosidase define its activity against glycoside linkages. FEBS Journal, 2017, 284, 1815-1829.	2.2	25
15	Rational mutagenesis by engineering disulphide bonds improves Kluyveromyces lactis beta-galactosidase for high-temperature industrial applications. Scientific Reports, 2017, 7, 45535.	1.6	24
16	Archaeal Biocommunication in Hot Springs Revealed by Metagenomics. , 2017, , 85-101.		0
17	Dual function of Ixr1 in transcriptional regulation and recognition of cisplatin-DNA adducts is caused by differential binding through its two HMG-boxes. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2017, 1860, 256-269.	0.9	9
18	HMGB Proteins from Yeast to Human. Gene Regulation, DNA Repair and Beyond. , 2017, , .		2

#	Article	IF	Citations
19	Extremophilic Esterases for Bioprocessing of Lignocellulosic Feedstocks. , 2017, , 205-223.		0
20	Improved bioethanol production in an engineered K luyveromyces lactis strain shifted from respiratory to fermentative metabolism by deletion of NDI 1. Microbial Biotechnology, 2015, 8, 319-330.	2.0	15
21	Biobutanol from cheese whey. Microbial Cell Factories, 2015, 14, 27.	1.9	35
22	KlGcr1 controls glucose-6-phosphate dehydrogenase activity and responses to H2O2, cadmium and arsenate in Kluyveromyces lactis. Fungal Genetics and Biology, 2015, 82, 95-103.	0.9	7
23	Sky1 regulates the expression of sulfur metabolism genes in response to cisplatin. Microbiology (United Kingdom), 2014, 160, 1357-1368.	0.7	6
24	Crystallization and preliminary X-ray diffraction data of Î²-galactosidase fromAspergillus niger. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1529-1531.	0.4	4
25	The yeast hypoxic responses, resources for new biotechnological opportunities. Biotechnology Letters, 2012, 34, 2161-2173.	1.1	15
26	Structural basis of specificity in tetrameric Kluyveromyces lactis Î²-galactosidase. Journal of Structural Biology, 2012, 177, 392-401.	1.3	88
27	Ixr1p and the control of the Saccharomyces cerevisiae hypoxic response. Applied Microbiology and Biotechnology, 2012, 94, 173-184.	1.7	22
28	Comparative transcriptome analysis of yeast strains carrying slt2, rlm1, and pop2 deletions. Genome, 2011, 54, 99-109.	0.9	3
29	Two Proteins with Different Functions Are Derived from the KlHEM13 Gene. Eukaryotic Cell, 2011, 10, 1331-1339.	3.4	1
30	Crystallization and preliminary X-ray diffraction data of Î±-galactosidase fromSaccharomyces cerevisiae. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 44-47.	0.7	2
31	Crystallization and preliminary X-ray crystallographic analysis of Î²-galactosidase fromKluyveromyces lactis. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 297-300.	0.7	9
32	Ixr1p regulates oxygen-dependent â€ƒHEM13â€ƒtranscription. FEMS Yeast Research, 2010, 10, 309-321.	1.1	13
33	Structural Analysis of Saccharomyces cerevisiae Î±-Galactosidase and Its Complexes with Natural Substrates Reveals New Insights into Substrate Specificity of GH27 Glycosidases. Journal of Biological Chemistry, 2010, 285, 28020-28033.	1.6	36
34	Growth phase-dependent expression of Kluyveromyces lactis genes and involvement of 3â€²-UTR elements. Process Biochemistry, 2008, 43, 1153-1157.	1.8	2
35	Kluyveromyces lactis Î²-galactosidase crystallization using full-factorial experimental design. Journal of Molecular Catalysis B: Enzymatic, 2008, 52-53, 178-182.	1.8	8
36	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.	1.1	7

#	Article	IF	Citations
37	An approach to the hypoxic and oxidative stress responses inKluyveromyces lactisby analysis of mRNA levels. FEMS Yeast Research, 2007, 7, 702-714.	1.1	17
38	Secretion of a hybrid K. lactis-A. niger Î²-galactosidase. Microbial Cell Factories, 2006, 5, P66.	1.9	0
39	Secretion and properties of a hybrid Kluyveromyces lactis-Aspergillus niger beta-galactosidase. Microbial Cell Factories, 2006, 5, 41.	1.9	33
40	A transcriptome analysis of Kluyveromyces lactis growing in cheese whey. International Dairy Journal, 2006, 16, 207-214.	1.5	11
41	Reoxidation of cytosolic NADPH inKluyveromyces lactis. FEMS Yeast Research, 2006, 6, 371-380.	1.1	43
42	Functional characterization of KlHEM13, a hypoxic gene of Kluyveromyces lactis. Canadian Journal of Microbiology, 2005, 51, 431-431.	0.8	1
43	Functional characterization of KlHEM13, a hypoxic gene of Kluyveromyces lactis. Canadian Journal of Microbiology, 2005, 51, 241-249.	0.8	11
44	Functional characterisation and transcriptional regulation of the KlHEM12 gene from Kluyveromyces lactis. Current Genetics, 2004, 46, 147-57.	0.8	6
45	Genome-wide analysis of Kluyveromyces lactis in wild-type and rag2 mutant strains. Genome, 2004, 47, 970-978.	0.9	21
46	Engineered autolytic yeast strains secreting Kluyveromyces lactis Î²-galactosidase for production of heterologous proteins in lactose media. Journal of Biotechnology, 2004, 109, 131-137.	1.9	27
47	Genome-Wide Analysis of the Yeast Transcriptome Upon Heat and Cold Shock. Comparative and Functional Genomics, 2003, 4, 366-375.	2.0	18
48	Influence of substituting milk powder for whey powder on yoghurt quality. Trends in Food Science and Technology, 2002, 13, 334-340.	7.8	102
49	Genome-Wide analysis of yeast transcription upon calcium shortage. Cell Calcium, 2002, 32, 83-91.	1.1	9
50	Crystal Structure of the MuSK Tyrosine Kinase. Structure, 2002, 10, 1187-1196.	1.6	122
51	The yeast transcriptome in aerobic and hypoxic conditions: effects ofhap1,rox1,rox3andsrb10deletions. Molecular Microbiology, 2002, 43, 545-555.	1.2	77
52	The yeast transcriptome in aerobic and hypoxic conditions: effects of hap1, rox1, rox3 and srb10 deletions. Molecular Microbiology, 2002, 45, 265-265.	1.2	2
53	Metabolic engineering for direct lactose utilization by Saccharomyces cerevisiae. Biotechnology Letters, 2002, 24, 1391-1396.	1.1	10
54	Lactose bioconversion by calcium-alginate immobilization of Kluyveromyces lactis cells. Enzyme and Microbial Technology, 2001, 29, 506-512.	1.6	51

#	Article	IF	Citations
55	Title is missing!. Biotechnology Letters, 2001, 23, 33-40.	1.1	13
56	New secretory strategies for Kluyveromyces lactis Î²-galactosidase. Protein Engineering, Design and Selection, 2001, 14, 379-386.	1.0	39
57	Title is missing!. Biotechnology Letters, 1998, 12, 253-256.	0.5	40
58	Dealing with different methods for Kluyveromyces lactis Î²-galactosidase purification. Biological Procedures Online, 1998, 1, 48-58.	1.4	19
59	Heterologous Kluyveromyces lactis Î²-galactosidase production and release by Saccharomyces cerevisiae osmotic-remedial thermosensitive autolytic mutants. Biochimica Et Biophysica Acta - General Subjects, 1997, 1335, 235-241.	1.1	27
60	Enzyme encapsulation on chitosan microbeads. Process Biochemistry, 1997, 32, 211-216.	1.8	69
61	Expression of a low-molecular-weight (10 kDa) calcium binding protein in glial cells of the brain of the trout (Teleostei). Anatomy and Embryology, 1997, 196, 403-416.	1.5	39
62	Sequence analysis of a 10 kb DNA fragment from yeast chromosome VII reveals a novel member of the dnaJ family. , 1996, 12, 145-148.		4
63	Yeast Î²-galactosidase in solid-state fermentations. Enzyme and Microbial Technology, 1996, 19, 39-44.	1.6	32
64	UtilizaciÃ³n de screencasts para un aprendizaje activo. , 0, , 15-24.		0