Tiziana Lodi

List of Publications by Year
in descending order

67	1,930	279798 23	289244 40
papers	citations	h-index	g-index

67	67	67	2799
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complete loss-of-function of the heart/muscle-specific adenine nucleotide translocator is associated with mitochondrial myopathy and cardiomyopathy. Human Molecular Genetics, 2005, 14, 3079-3088.	2.9	165
2	The Mitochondrial Disulfide Relay System Protein GFER Is Mutated in Autosomal-Recessive Myopathy with Cataract and Combined Respiratory-Chain Deficiency. American Journal of Human Genetics, 2009, 84, 594-604.	6.2	121
3	Biallelic Mutations of Methionyl-tRNA Synthetase Cause a Specific Type of Pulmonary Alveolar Proteinosis Prevalent on RÃ©union Island. American Journal of Human Genetics, 2015, 96, 826-831.	6.2	94
4	Recurrent De Novo Dominant Mutations in SLC25A4 Cause Severe Early-Onset Mitochondrial Disease and Loss of Mitochondrial DNA Copy Number. American Journal of Human Genetics, 2016, 99, 860-876.	6.2	93
5	Behaviour of Saccharomyces cerevisiae wine strains during adaptation to unfavourable conditions of fermentation on synthetic medium: Cell lipid composition, membrane integrity, viability and fermentative activity. International Journal of Food Microbiology, 2008, 121, 84-91.	4.7	91
6	Genetic and chemical rescue of the Saccharomyces cerevisiae phenotype induced by mitochondrial DNA polymerase mutations associated with progressive external ophthalmoplegia in humans. Human Molecular Genetics, 2006, 15, 2846-2855.	2.9	80
7	Mutations in AAC2, equivalent to human adPEO-associated ANT1 mutations, lead to defective oxidative phosphorylation in Saccharomyces cerevisiae and affect mitochondrial DNA stability. Human Molecular Genetics, 2004, 13, 923-934.	2.9	71
8	Isolation of the DLD gene of Saccharomyces cerevisiae encoding the mitochondrial enzyme D-lactate ferricytochrome c oxidoreductase. Molecular Genetics and Genomics, 1993, 238, 315-324.	2.4	70
9	Defective mitochondrial rRNA methyltransferase MRM2 causes MELAS-like clinical syndrome. Human Molecular Genetics, 2017, 26, 4257-4266.	2.9	63
10	Galactose transport inKluyveromyces lactis: major role of the glucose permease Hgt1. FEMS Yeast Research, 2006, 6, 1235-1242.	2.3	48
11	Expression of a lipocalin in Pichia pastoris: secretion, purification and binding activity of a recombinant mouse major urinary protein. FEBS Letters, 1997, 401, 73-77.	2.8	47
12	Secretion of Human Serum Albumin by Kluyveromyces lactis Overexpressing KlPDI1 and KlERO1. Applied and Environmental Microbiology, 2005, 71, 4359-4363.	3.1	43
13	Carbon catabolite repression in Kluyveromyces lactis: isolation and characterization of the KlNLD gene encoding the mitochondrial enzyme D-lactate ferricytochrome c oxidoreductase. Molecular Genetics and Genomics, 1994, 244, 622-629.	2.4	39
14	Co-ordinate regulation of lactate metabolism genes in yeast: the role of the lactate permease gene JEN1. Molecular Genetics and Genomics, 2002, 266, 838-847.	2.1	39
15	In vitro evaluation of the activity of thiosemicarbazone derivatives against mycotoxigenic fungi affecting cereals. International Journal of Food Microbiology, 2015, 200, 104-111.	4.7	39
16	Insights into Physiological and Genetic Mupirocin Susceptibility in Bifidobacteria. Applied and Environmental Microbiology, 2011, 77, 3141-3146.	3.1	37
17	Deciphering OPA1 mutations pathogenicity by combined analysis of human, mouse and yeast cell models. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3496-3514.	3.8	36
18	FOG1 and FOG2 genes, required for the transcriptional activation of glucose-repressible genes of Kluyveromyces lactis , are homologous to GAL83 and SNF1 of Saccharomyces cerevisiae. Current Genetics, 1996, 29, 316-326.	1.7	35

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19	Carboxylic acids permeases in yeast: two genes in Kluyveromyces lactis. Gene, 2004, 339, 111-119.	2.2	33
20	Regulation of the Saccharomyces cerevisiae DLD1 gene encoding the mitochondrial protein D-lactate ferricytochrome c oxidoreductase by HAP1 and HAP2/3/4/5. Molecular Genetics and Genomics, 1999, 262, 623-632.	2.4	30
21	IMP2, a nuclear gene controlling the mitochondrial dependence of galactose, maltose and raffinose utilization inSaccharomyces cerevisiae. Yeast, 1992, 8, 83-93.	1.7	26
22	Deletion of the Glucose-6-Phosphate Dehydrogenase Gene Kl ZWF1 Affects both Fermentative and Respiratory Metabolism in Kluyveromyces lactis. Eukaryotic Cell, 2007, 6, 19-27.	3.4	26
23	A Single Nucleotide Polymorphism in the DNA Polymerase Gamma Gene of Saccharomyces cerevisiae Laboratory Strains Is Responsible for Increased Mitochondrial DNA Mutability. Genetics, 2007, 177, 1227-1231.	2.9	25
24	FLO11expression and lipid biosynthesis are required for air-liquid biofilm formation in aSaccharomyces cerevisiaeflor strain. FEMS Yeast Research, 2012, 12, 864-866.	2.3	25
25	Three Target Genes for the Transcriptional Activator Cat8p of Kluyveromyces lactis : Acetyl Coenzyme A Synthetase Genes KlACS1 and KlACS2 and Lactate Permease Gene KlJEN1. Journal of Bacteriology, 2001, 183, 5257-5261.	2.2	24
26	The Deletion of the Succinate Dehydrogenase Gene KlSDH1 in Kluyveromyces lactis Does Not Lead to Respiratory Deficiency. Eukaryotic Cell, 2004, 3, 589-597.	3.4	23
27	Predicting the contribution of novel POLG mutations to human disease through analysis in yeast model. Mitochondrion, 2011, 11, 182-190.	3.4	23
28	DNA polymerase ÃŽÂ³ and disease: what we have learned from yeast. Frontiers in Genetics, 2015, 6, 106.	2.3	23
29	Evolution of the carboxylate Jen transporters in fungi. FEMS Yeast Research, 2007, 7, 646-656.	2.3	22
30	Oxygen is required to restore flor strain viability and lipid biosynthesis under fermentative conditions. FEMS Yeast Research, 2009, 9, 217-225.	2.3	21
31	Overexpression of DNA Polymerase Zeta Reduces the Mitochondrial Mutability Caused by Pathological Mutations in DNA Polymerase Gamma in Yeast. PLoS ONE, 2012, 7, e34322.	2.5	20
32	A variable neurodegenerative phenotype with polymerase Â mutation. Journal of Neurology, Neurosurgery and Psychiatry, 2009, 80, 1181-1182.	1.9	18
33	Combined use ofSaccharomyces cerevisiae,Caenorhabditis elegansand patient fibroblasts leads to the identification of clofilium tosylate as a potential therapeutic chemical against POLG-related diseases. Human Molecular Genetics, 2016, 25, 715-727.	2.9	18
34	Lactose-induced cell death of ?-galactosidase mutants in. FEMS Yeast Research, 2005, 5, 727-734.	2.3	17
35	Mutation D104G in ANT1 gene: Complementation study in Saccharomyces cerevisiae as a model system. Biochemical and Biophysical Research Communications, 2006, 341, 810-815.	2.1	17
36	Construction and validation of a yeast model system for studying in vivo the susceptibility to nucleoside analogues of DNA polymerase gamma allelic variants. Mitochondrion, 2010, 10, 183-187.	3.4	17

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37	Structural modification of cuminaldehyde thiosemicarbazone increases inhibition specificity toward aflatoxin biosynthesis and sclerotia development in Aspergillus flavus. Applied Microbiology and Biotechnology, 2017, 101, 6683-6696.	3.6	17
38	Yeast expression of mammalian Onzin and fungal FCR1 suggests ancestral functions of PLAC8 proteins in mitochondrial metabolism and DNA repair. Scientific Reports, 2019, 9, 6629.	3.3	17
39	Mechanistic insights on the mode of action of an antiproliferative thiosemicarbazone-nickel complex revealed by an integrated chemogenomic profiling study. Scientific Reports, 2020, 10, 10524.	3.3	17
40	Cloning and characterization of the lactate-specific inducible geneKlCYB2, encoding the cytochromeb2 ofKluyveromyces lactis. Yeast, 2000, 16, 657-665.	1.7	16
41	Characterization ofKlGUT2, a gene of the glycerol-3-phosphate shuttle, inKluyveromyces lactis. FEMS Yeast Research, 2008, 8, 697-705.	2.3	16
42	Mitochondrial thiol oxidase Erv1: both shuttle cysteine residues are required for its function with distinct roles. Biochemical Journal, 2014, 460, 199-210.	3.7	16
43	Polymorphisms in DNA polymerase Î³ affect the mtDNA stability and the NRTI-induced mitochondrial toxicity in Saccharomyces cerevisiae. Mitochondrion, 2015, 20, 52-63.	3.4	16
44	Validation of a MGM1/OPA1 chimeric gene for functional analysis in yeast of mutations associated with dominant optic atrophy. Mitochondrion, 2015, 25, 38-48.	3.4	16
45	The Power of Yeast in Modelling Human Nuclear Mutations Associated with Mitochondrial Diseases. Genes, 2021, 12, 300.	2.4	15
46	FOG1 andFOG2 genes, required for the transcriptional activation of glucose-repressible genes ofKluyveromyces lactis, are homologous toGAL83 andSNF1 ofSaccharomyces cerevisiae. Current Genetics, 1996, 29, 316-326.	1.7	13
47	Drug repositioning as a therapeutic strategy for neurodegenerations associated with OPA1 mutations. Human Molecular Genetics, 2021, 29, 3631-3645.	2.9	13
48	Efficient clofilium tosylate-mediated rescue of POLG-related disease phenotypes in zebrafish. Cell Death and Disease, 2021, 12, 100.	6.3	13
49	Transcriptional regulation of the KlDLD gene, encoding the mitochondrial enzyme D-lactate ferricytochrome c oxidoreductase in Kluyveromyces lactis : effect of Klhap2 and fog mutations. Current Genetics, 1998, 34, 12-20.	1.7	12
50	A Klaac null mutant of Kluyveromyces lactis is complemented by a single copy of the Saccharomyces cerevisiae AAC1 gene. Current Genetics, 1999, 36, 29-36.	1.7	12
51	Antimycin A- and hydroxamate-insensitive respiration in yeasts. Antonie Van Leeuwenhoek, 1985, 51, 57-64.	1.7	11
52	KlADH3, a gene encoding a mitochondrial alcohol dehydrogenase, affects respiratory metabolism and cytochrome content inKluyveromyces lactis. FEMS Yeast Research, 2006, 6, 1184-1192.	2.3	10
53	Construction and characterization of centromeric, episomal and GFP-containing vectors for Saccharomyces cerevisiae prototrophic strains. Journal of Biotechnology, 2009, 143, 247-254.	3.8	10
54	A Yeast-Based Screening Unravels Potential Therapeutic Molecules for Mitochondrial Diseases Associated with Dominant ANT1 Mutations. International Journal of Molecular Sciences, 2021, 22, 4461.	4.1	10

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55	MIG1-dependent andMIG1-independent regulation ofGAL gene expression inSaccharomyces cerevisiae: role of Imp2p. Yeast, 2003, 20, 1085-1096.	1.7	9
56	Dominance of yeast aac2 R96H and aac2 R252G mutations, equivalent to pathological mutations in ant1, is due to gain of function. Biochemical and Biophysical Research Communications, 2017, 493, 909-913.	2.1	8
57	Genes conding for mitochondrial proteins are more strongly biased in Kluyveromyces lactis than in Saccharomyces cerevisiae. Current Genetics, 1994, 26, 91-93.	1.7	6
58	KNQ1, aKluyveromyces lactisgene encoding a transmembrane protein, may be involved in iron homeostasis. FEMS Yeast Research, 2007, 7, 715-721.	2.3	6
59	A Yeast-Based Repurposing Approach for the Treatment of Mitochondrial DNA Depletion Syndromes Led to the Identification of Molecules Able to Modulate the dNTP Pool. International Journal of Molecular Sciences, 2021, 22, 12223.	4.1	6
60	Respiratory pathways in Hansenula saturnus. Antonie Van Leeuwenhoek, 1983, 49, 537-549.	1.7	5
61	Amino and carboxy-terminal extensions of yeast mitochondrial DNA polymerase assemble both the polymerization and exonuclease active sites. Mitochondrion, 2019, 49, 166-177.	3.4	5
62	LYS2 gene and its mutation inKluyveromyces lactis. Yeast, 2003, 20, 1171-1175.	1.7	4
63	Sabotage at the Powerhouse? Unraveling the Molecular Target of 2-Isopropylbenzaldehyde Thiosemicarbazone, a Specific Inhibitor of Aflatoxin Biosynthesis and Sclerotia Development in Aspergillus flavus, Using Yeast as a Model System. Molecules, 2019, 24, 2971.	3.8	4
64	Induction and characterization of morphologic mutants in a natural Saccharomyces cerevisiae strain. Canadian Journal of Microbiology, 2007, 53, 223-230.	1.7	3
65	Modeling of pathogenic variants of mitochondrial DNA polymerase: insight into the replication defects and implication for human disease. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129608.	2.4	3
66	Characterization of a promoter mutation in the CYP3gene of Saccharomyces cerevisiae which cancels regulation by Cyp1p (Hap1p) without affecting its binding site. Molecular Genetics and Genomics, 1996, 253, 103-110.	2.4	2
67	Cloning and characterization of the lactateâ€specific inducible gene KlCYB2, encoding the cytochrome b2 of Kluyveromyces lactis. Yeast, 2000, 16, 657-665.	1.7	0