Tiziana Lodi

List of Publications by Year
in descending order

67 papers	1,930 citations	279798 23 h-index	289244 40 g-index
67 all docs	67 docs citations	67 times ranked	2799 citing authors

#	Article	IF	Citations
1	Drug repositioning as a therapeutic strategy for neurodegenerations associated with OPA1 mutations. Human Molecular Genetics, 2021, 29, 3631-3645.	2.9	13
2	Efficient clofilium tosylate-mediated rescue of POLG-related disease phenotypes in zebrafish. Cell Death and Disease, 2021, 12, 100.	6.3	13
3	The Power of Yeast in Modelling Human Nuclear Mutations Associated with Mitochondrial Diseases. Genes, 2021, 12, 300.	2.4	15
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	Defective mitochondrial rRNA methyltransferase MRM2 causes MELAS-like clinical syndrome. Human Molecular Genetics, 2017, 26, 4257-4266.	2.9	63
15	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
16	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
17	DNA polymerase ÃŽÂ³ and disease: what we have learned from yeast. Frontiers in Genetics, 2015, 6, 106.	2.3	23
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	<i>FLO11</i>expression and lipid biosynthesis are required for air-liquid biofilm formation in a<i>Saccharomyces cerevisiae</i>flor strain. FEMS Yeast Research, 2012, 12, 864-866.	2.3	25
24	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
25	Insights into Physiological and Genetic Mupirocin Susceptibility in Bifidobacteria. Applied and Environmental Microbiology, 2011, 77, 3141-3146.	3.1	37
26	Predicting the contribution of novel POLG mutations to human disease through analysis in yeast model. Mitochondrion, 2011, 11, 182-190.	3.4	23
27	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
28	A variable neurodegenerative phenotype with polymerase Â mutation. Journal of Neurology, Neurosurgery and Psychiatry, 2009, 80, 1181-1182.	1.9	18
29	Oxygen is required to restore flor strain viability and lipid biosynthesis under fermentative conditions. FEMS Yeast Research, 2009, 9, 217-225.	2.3	21
30	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
31	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
32	Characterization of<i>KlGUT2</i>, a gene of the glycerol-3-phosphate shuttle, in<i>Kluyveromyces lactis</i>. FEMS Yeast Research, 2008, 8, 697-705.	2.3	16
33	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
34	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
35	A Single Nucleotide Polymorphism in the DNA Polymerase Gamma Gene of <i>Saccharomyces cerevisiae</i> Laboratory Strains Is Responsible for Increased Mitochondrial DNA Mutability. Genetics, 2007, 177, 1227-1231.	2.9	25
36	Induction and characterization of morphologic mutants in a natural Saccharomyces cerevisiae strain. Canadian Journal of Microbiology, 2007, 53, 223-230.	1.7	3

#	Article	IF	Citations
37	KNQ1, aKluyveromyces lactisgene encoding a transmembrane protein, may be involved in iron homeostasis. FEMS Yeast Research, 2007, 7, 715-721.	2.3	6
38	Evolution of the carboxylate Jen transporters in fungi. FEMS Yeast Research, 2007, 7, 646-656.	2.3	22
39	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
40	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
41	Galactose transport in<i>Kluyveromyces lactis</i>: major role of the glucose permease Hgt1. FEMS Yeast Research, 2006, 6, 1235-1242.	2.3	48
42	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
43	Secretion of Human Serum Albumin by Kluyveromyces lactis Overexpressing KlPDI1 and KlERO1. Applied and Environmental Microbiology, 2005, 71, 4359-4363.	3.1	43
44	Lactose-induced cell death of ?-galactosidase mutants in. FEMS Yeast Research, 2005, 5, 727-734.	2.3	17
45	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
46	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
47	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
48	Carboxylic acids permeases in yeast: two genes in Kluyveromyces lactis. Gene, 2004, 339, 111-119.	2.2	33
49	MIG1-dependent andMIG1-independent regulation ofGAL gene expression inSaccharomyces cerevisiae: role of Imp2p. Yeast, 2003, 20, 1085-1096.	1.7	9
50	LYS2 gene and its mutation inKluyveromyces lactis. Yeast, 2003, 20, 1171-1175.	1.7	4
51	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
52	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
53	Cloning and characterization of the lactate-specific inducible geneKlCYB2, encoding the cytochromeb2 ofKluyveromyces lactis. Yeast, 2000, 16, 657-665.	1.7	16
54	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

#	Article	IF	Citations
55	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
56	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
57	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
58	Expression of a lipocalin in <i>Pichia pastoris</i>: secretion, purification and binding activity of a recombinant mouse major urinary protein. FEBS Letters, 1997, 401, 73-77.	2.8	47
59	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
60	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
61	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
62	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
63	Carbon catabolite repression in Kluyveromyces lactis: isolation and characterization of the KINLD gene encoding the mitochondrial enzyme D-lactate ferricytochrome c oxidoreductase. Molecular Genetics and Genomics, 1994, 244, 622-629.	2.4	39
64	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
65	IMP2, a nuclear gene controlling the mitochondrial dependence of galactose, maltose and raffinose utilization inSaccharomyces cerevisiae. Yeast, 1992, 8, 83-93.	1.7	26
66	Antimycin A- and hydroxamate-insensitive respiration in yeasts. Antonie Van Leeuwenhoek, 1985, 51, 57-64.	1.7	11
67	Respiratory pathways in Hansenula saturnus. Antonie Van Leeuwenhoek, 1983, 49, 537-549.	1.7	5