Claudia Donnini

List of Publications by Year
in descending order

62 papers	2,576 citations	172457 29 h-index	197818 49 g-index
62 all docs	62 docs citations	62 times ranked	3782 citing authors

#	Article	IF	Citations
1	MPV17 encodes an inner mitochondrial membrane protein and is mutated in infantile hepatic mitochondrial DNA depletion. Nature Genetics, 2006, 38, 570-575.	21.4	380
2	Infantile Encephalopathy and Defective Mitochondrial DNA Translation in Patients with Mutations of Mitochondrial Elongation Factors EFG1 and EFTu. American Journal of Human Genetics, 2007, 80, 44-58.	6.2	172
3	Defective i6A37 Modification of Mitochondrial and Cytosolic tRNAs Results from Pathogenic Mutations in TRIT1 and Its Substrate tRNA. PLoS Genetics, 2014, 10, e1004424.	3.5	112
4	RAG1 andRAG2: Nuclear genes involved in the dependence/independence on mitochondrial respiratory function for growth on sugars. Yeast, 1989, 5, 99-106.	1.7	105
5	VARS2andTARS2Mutations in Patients with Mitochondrial Encephalomyopathies. Human Mutation, 2014, 35, 983-989.	2.5	86
6	TRMT5 Mutations Cause a Defect in Post-transcriptional Modification of Mitochondrial tRNA Associated with Multiple Respiratory-Chain Deficiencies. American Journal of Human Genetics, 2015, 97, 319-328.	6.2	83
7	Association between gene variants and response to buprenorphine maintenance treatment. Psychiatry Research, 2014, 215, 202-207.	3.3	73
8	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
9	Association of the serotonin transporter promoter polymorphism with smoking behavior among adolescents. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2005, 135B, 73-78.	1.7	70
10	Sym1, the yeast ortholog of the MPV17 human disease protein, is a stress-induced bioenergetic and morphogenetic mitochondrial modulator. Human Molecular Genetics, 2010, 19, 1098-1107.	2.9	69
11	Human Kappa opioid receptor gene (OPRK1) polymorphism is associated with opiate addiction. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2007, 144B, 771-775.	1.7	68
12	MTO1 Mutations are Associated with Hypertrophic Cardiomyopathy and Lactic Acidosis and Cause Respiratory Chain Deficiency in Humans and Yeast. Human Mutation, 2013, 34, 1501-1509.	2.5	67
13	Serotonin transporter promoter polymorphism genotype is associated with temperament, personality traits and illegal drugs use among adolescents. Journal of Neural Transmission, 2005, 112, 1397-1410.	2.8	63
14	Respiration-Dependent Utilization of Sugars in Yeasts: a Determinant Role for Sugar Transporters. Journal of Bacteriology, 2002, 184, 427-432.	2.2	62
15	A Homozygous Mutation in<scp>LYRM</scp>7/<scp>MZM</scp>1<scp>L</scp>Associated with Early Onset Encephalopathy, Lactic Acidosis, and Severe Reduction of Mitochondrial Complex<scp>III</scp>Activity. Human Mutation, 2013, 34, 1619-1622.	2.5	60
16	Childhood neglect and parental care perception in cocaine addicts: Relation with psychiatric symptoms and biological correlates. Neuroscience and Biobehavioral Reviews, 2009, 33, 601-610.	6.1	56
17	Galactose transport inKluyveromyces lactis: major role of the glucose permease Hgt1. FEMS Yeast Research, 2006, 6, 1235-1242.	2.3	48
18	Supervised daily consumption, contingent take-home incentive and non-contingent take-home in methadone maintenance. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 483-489.	4.8	44

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19	Psychobiological responses to unpleasant emotions in cannabis users. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 47-57.	3.2	44
20	Pathogenic variants in glutamyl-tRNAGln amidotransferase subunits cause a lethal mitochondrial cardiomyopathy disorder. Nature Communications, 2018, 9, 4065.	12.8	44
21	Secretion of Human Serum Albumin by Kluyveromyces lactis Overexpressing KlPDI1 and KlERO1. Applied and Environmental Microbiology, 2005, 71, 4359-4363.	3.1	43
22	Allelic association of a dopamine transporter gene polymorphism with antisocial behaviour in heroin-dependent patients. Addiction Biology, 2005, 10, 275-281.	2.6	42
23	Clinical Features, Molecular Heterogeneity, and Prognostic Implications in YARS2-Related Mitochondrial Myopathy. JAMA Neurology, 2017, 74, 686.	9.0	41
24	Adrenocorticotropic hormone and cortisol plasma levels directly correlate with childhood neglect and depression measures in addicted patients. Addiction Biology, 2008, 13, 95-104.	2.6	40
25	Perceived parenting behavior in the childhood of cocaine users: Relationship with genotype and personality traits. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2007, 144B, 52-57.	1.7	36
26	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
27	Analysis of monoamine oxidase A (MAO-A) promoter polymorphism in male heroin-dependent subjects: behavioural and personality correlates. Journal of Neural Transmission, 2004, 111, 611-621.	2.8	33
28	Carboxylic acids permeases in yeast: two genes in Kluyveromyces lactis. Gene, 2004, 339, 111-119.	2.2	33
29	Gene variants and educational attainment in cannabis use: mediating role of DNA methylation. Translational Psychiatry, 2018, 8, 23.	4.8	32
30	Dysregulated responses to emotions among abstinent heroin users: Correlation with childhood neglect and addiction severity. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2014, 48, 220-228.	4.8	30
31	Elongator-dependent modification of cytoplasmic tRNA^{Lys}_{UUU}is required for mitochondrial function under stress conditions. Nucleic Acids Research, 2015, 43, 8368-8380.	14.5	30
32	Promising Medications for Cocaine Dependence Treatment. Recent Patents on CNS Drug Discovery, 2011, 6, 146-160.	0.9	27
33	IMP2, a nuclear gene controlling the mitochondrial dependence of galactose, maltose and raffinose utilization inSaccharomyces cerevisiae. Yeast, 1992, 8, 83-93.	1.7	26
34	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
35	Adverse childhood experiences (ACEs), genetic polymorphisms and neurochemical correlates in experimentation with psychotropic drugs among adolescents. Neuroscience and Biobehavioral Reviews, 2011, 35, 1771-1778.	6.1	23
36	DNA polymerase ÃŽÂ³ and disease: what we have learned from yeast. Frontiers in Genetics, 2015, 6, 106.	2.3	23

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37	Oxygen-Dependent Transcriptional Regulator Hap1p Limits Glucose Uptake by Repressing the Expression of the Major Glucose Transporter Gene RAG1 in Kluyveromyces lactis. Eukaryotic Cell, 2008, 7, 1895-1905.	3.4	22
38	Homovanillic acid (HVA) plasma levels inversely correlate with attention deficit-hyperactivity and childhood neglect measures in addicted patients. Journal of Neural Transmission, 2007, 114, 1637-1647.	2.8	20
39	A Novel Homozygous YARS2 Mutation in Two Italian Siblings and a Review of Literature. JIMD Reports, 2014, 20, 95-101.	1.5	19
40	Improved Production of Heterologous Proteins by a Glucose Repression-Defective Mutant of Kluyveromyces lactis. Applied and Environmental Microbiology, 2004, 70, 2632-2638.	3.1	18
41	Genetic and Environmental Risk Factors for Cannabis Use: Preliminary Results for the Role of Parental Care Perception. Substance Use and Misuse, 2019, 54, 670-680.	1.4	18
42	Lactose-induced cell death of ?-galactosidase mutants in. FEMS Yeast Research, 2005, 5, 727-734.	2.3	17
43	Relevance of perceived childhood neglect, 5â€HTT gene variants and hypothalamusâ€“pituitaryâ€“adrenal axis dysregulation to substance abuse susceptibility. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2010, 153B, 715-722.	1.7	17
44	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
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	Mutations in the mitochondrial tryptophanylâ€tRNA synthetase cause growth retardation and progressive leukoencephalopathy. Molecular Genetics & Genomic Medicine, 2019, 7, e654.	1.2	13
48	Pathological alleles of MPV17 modeled in the yeast Saccharomyces cerevisiae orthologous gene SYM1 reveal their inability to take part in a high molecular weight complex. PLoS ONE, 2018, 13, e0205014.	2.5	10
49	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
50	MIG1-dependent andMIG1-independent regulation ofGAL gene expression inSaccharomyces cerevisiae: role of Imp2p. Yeast, 2003, 20, 1085-1096.	1.7	9
51	Perceived parental care during childhood, ACTH, cortisol and nicotine dependence in the adult. Psychiatry Research, 2016, 245, 458-465.	3.3	9
52	Effect of chloramphenicol, antimycin A and hydroxamate on the morphogenetic development of the dimorphic ascomyceteEndomycopsis capsularis. Antonie Van Leeuwenhoek, 1981, 47, 311-323.	1.7	8
53	Alcohol use disorders among adult children of alcoholics (ACOAs): Gene-environment resilience factors. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110167.	4.8	8
54	KNQ1, aKluyveromyces lactisgene encoding a transmembrane protein, may be involved in iron homeostasis. FEMS Yeast Research, 2007, 7, 715-721.	2.3	6

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55	DNA methylation changes in genes involved in inflammation and depression in fibromyalgia: a pilot study. Scandinavian Journal of Pain, 2021, 21, 372-383.	1.3	6
56	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
57	Sideroblastic anemia with myopathy secondary to novel, pathogenic missense variants in the YARS2 gene. Haematologica, 2018, 103, e564-e566.	3.5	5
58	A combination of two novel VARS2 variants causes a mitochondrial disorder associated with failure to thrive and pulmonary hypertension. Journal of Molecular Medicine, 2019, 97, 1557-1566.	3.9	5
59	DNA Methylation Changes in Fibromyalgia Suggest the Role of the Immune-Inflammatory Response and Central Sensitization. Journal of Clinical Medicine, 2021, 10, 4992.	2.4	5
60	A family-based study to identify genetic biomarkers of fibromyalgia: consideration of patients' subgroups. Clinical and Experimental Rheumatology, 2021, 39, 144-152.	0.8	5
61	The role of the nuclear gene â€œmitochondrial mutability controlâ€•(MMC1) in the process of mutability of the mitochondrial genome by different mutagens in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1983, 190, 504-510.	2.4	1
62	A family-based study to identify genetic biomarkers of fibromyalgia: consideration of patients' subgroups. Clinical and Experimental Rheumatology, 2021, 39 Suppl 130, 144-152.	0.8	0