Thomas D Fox

List of Publications by Year
in descending order

58 papers	4,083 citations	126907 33 h-index	149698 56 g-index
58 all docs	58 docs citations	58 times ranked	1986 citing authors

#	Article	IF	Citations
1	The Cox1 C-terminal domain is a central regulator of cytochrome c oxidase biogenesis in yeast mitochondria. Journal of Biological Chemistry, 2017, 292, 10912-10925.	3.4	25
2	Multiple Roles of the Cox20 Chaperone in Assembly of <i>Saccharomyces cerevisiae</i> Cytochrome <i>c</i> Oxidase. Genetics, 2012, 190, 559-567.	2.9	30
3	An MBoC Favorite: Mitochondrial transmission during mating in Saccharomyces cerevisiae is determined by mitochondrial fusion and fission and the intramitochondrial segregation of mitochondrial DNA. Molecular Biology of the Cell, 2012, 23, 4144-4144.	2.1	1
4	Mitochondrial Protein Synthesis, Import, and Assembly. Genetics, 2012, 192, 1203-1234.	2.9	177
5	Schizosaccharomyces pombe homologs of the Saccharomyces cerevisiae mitochondrial proteins Cbp6 and Mss51 function at a post-translational step of respiratory complex biogenesis. Mitochondrion, 2012, 12, 381-390.	3.4	17
6	Inventory control: cytochrome c oxidase assembly regulates mitochondrial translation. Nature Reviews Molecular Cell Biology, 2011, 12, 14-20.	37.0	182
7	The Carboxyl-terminal End of Cox1 Is Required for Feedback Assembly Regulation of Cox1 Synthesis in Saccharomyces cerevisiae Mitochondria. Journal of Biological Chemistry, 2010, 285, 34382-34389.	3.4	38
8	Dual Functions of Mss51 Couple Synthesis of Cox1 to Assembly of Cytochrome<i>c</i>Oxidase in<i>Saccharomyces cerevisiae</i>Mitochondria. Molecular Biology of the Cell, 2009, 20, 4371-4380.	2.1	80
9	Translocation and Assembly of Mitochondrially Coded <i>Saccharomyces cerevisiae</i> Cytochrome <i>c</i> Oxidase Subunit Cox2 by Oxa1 and Yme1 in the Absence of Cox18. Genetics, 2009, 182, 519-528.	2.9	36
10	Roles of Oxa1-related inner-membrane translocases in assembly of respiratory chain complexes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 60-70.	4.1	74
11	Translocation of Mitochondrially Synthesized Cox2 Domains from the Matrix to the Intermembrane Space. Molecular and Cellular Biology, 2007, 27, 4664-4673.	2.3	41
12	Aberrant Translation of CytochromecOxidase Subunit 1 mRNA Species in the Absence of Mss51p in the YeastSaccharomyces cerevisiae. Molecular Biology of the Cell, 2007, 18, 523-535.	2.1	54
13	Translation Initiation in Saccharomyces cerevisiae Mitochondria: Functional Interactions Among Mitochondrial Ribosomal Protein Rsm28p, Initiation Factor 2, Methionyl-tRNA-Formyltransferase and Novel Protein Rmd9p. Genetics, 2007, 175, 1117-1126.	2.9	33
14	Genetic Transformation of Saccharomyces cerevisiae and Chlamydomonas reinhardtii Mitochondria. Methods in Cell Biology, 2007, 80, 525-548.	1.1	42
15	Overexpression of the <i>COX2</i> translational activator, Pet111p, prevents translation of <i>COX1</i> mRNA and cytochrome <i>c</i> oxidase assembly in mitochondria of <i>Saccharomyces cerevisiae</i>. Molecular Microbiology, 2005, 56, 1689-1704.	2.5	24
16	Alteration of a Novel Dispensable Mitochondrial Ribosomal Small-Subunit Protein, Rsm28p, Allows Translation of Defective COX2 mRNAs. Eukaryotic Cell, 2005, 4, 337-345.	3.4	15
17	MrpL36p, a Highly Diverged L31 Ribosomal Protein Homolog With Additional Functional Domains in Saccharomyces cerevisiae Mitochondria. Genetics, 2004, 167, 65-75.	2.9	14
18	Mss51p promotes mitochondrial Cox1p synthesis and interacts with newly synthesized Cox1p. EMBO Journal, 2003, 22, 5951-5961.	7.8	167

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19	Evidence that Synthesis of the Saccharomyces cerevisiae Mitochondrially Encoded Ribosomal Protein Var1p May Be Membrane Localized. Eukaryotic Cell, 2003, 2, 651-653.	3.4	27
20	Interactions amongCOX1,COX2, andCOX3mRNA-specific Translational Activator Proteins on the Inner Surface of the Mitochondrial Inner Membrane ofSaccharomyces cerevisiae. Molecular Biology of the Cell, 2003, 14, 324-333.	2.1	140
21	Antagonistic signals within the COX2 mRNA coding sequence control its translation in Saccharomyces cerevisiae mitochondria. Rna, 2003, 9, 419-431.	3.5	19
22	Activity of Mitochondrially Synthesized Reporter Proteins Is Lower Than That of Imported Proteins and Is Increased by Lowering cAMP in Glucose-Grown Saccharomyces cerevisiae Cells. Genetics, 2003, 165, 961-974.	2.9	13
23	Cox18p Is Required for Export of the Mitochondrially EncodedSaccharomyces cerevisiaeCox2p C-Tail and Interacts with Pnt1p and Mss2p in the Inner Membrane. Molecular Biology of the Cell, 2002, 13, 1122-1131.	2.1	105
24	Genetic transformation of Saccharomyces cerevisiae mitochondria. Methods in Enzymology, 2002, 350, 97-111.	1.0	16
25	Expression of green fluorescent protein from a recoded gene inserted into Saccharomyces cerevisiae mitochondrial DNA. Mitochondrion, 2001, 1, 181-189.	3.4	30
26	Genetic transformation of Saccharomyces cerevisiae mitochondria. Methods in Cell Biology, 2001, 65, 381-396.	1.1	75
27	Mitochondrial Translation of Saccharomyces cerevisiae COX2 mRNA Is Controlled by the Nucleotide Sequence Specifying the Pre-Cox2p Leader Peptide. Molecular and Cellular Biology, 2001, 21, 2359-2372.	2.3	62
28	Pet111p, an Inner Membrane-bound Translational Activator That Limits Expression of the Saccharomyces cerevisiaeMitochondrial Gene COX2. Journal of Biological Chemistry, 2001, 276, 6392-6397.	3.4	79
29	Peripheral Mitochondrial Inner Membrane Protein, Mss2p, Required for Export of the Mitochondrially Coded Cox2p C Tail in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2001, 21, 7663-7672.	2.3	42
30	Highly Diverged Homologs of Saccharomyces cerevisiae Mitochondrial mRNA-Specific Translational Activators Have Orthologous Functions in Other Budding Yeasts. Genetics, 2000, 154, 999-1012.	2.9	33
31	Mutations Affecting a Yeast Mitochondrial Inner Membrane Protein, Pnt1p, Block Export of a Mitochondrially Synthesized Fusion Protein from the Matrix. Molecular and Cellular Biology, 1999, 19, 6598-6607.	2.3	56
32	Functional Interactions between Yeast Mitochondrial Ribosomes and mRNA 5â€² Untranslated Leaders. Molecular and Cellular Biology, 1998, 18, 1826-1834.	2.3	60
33	Deletion of the Leader Peptide of the Mitochondrially Encoded Precursor of Saccharomyces cerevisiae Cytochrome c Oxidase Subunit II. Genetics, 1997, 145, 903-910.	2.9	18
34	In Vivo Analysis of Saccharomyces cerevisiae COX2 mRNA 5â€²-Untranslated Leader Functions in Mitochondrial Translation Initiation and Translational Activation. Genetics, 1997, 147, 87-100.	2.9	60
35	[21] Genetic strategies for identification of mitochondrial translation factors in Saccharomyces cerevisiae. Methods in Enzymology, 1996, 264, 228-237.	1.0	3
36	A point mutation in the 5?-untranslated leader that affects translational activation of the mitochondrial COX 3 mRNA. Current Genetics, 1995, 28, 60-66.	1.7	16

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37	Relocation of the unusual<i>VAR</i>1 gene from the mitochondrion to the nucleus. Biochemistry and Cell Biology, 1995, 73, 987-995.	2.0	31
38	PET112, a Saccharomyces cerevisiae nuclear gene required to maintain rho + mitochondrial DNA. Current Genetics, 1994, 25, 299-304.	1.7	32
39	Reduced but accurate translation from a mutant AUA initiation codon in the mitochondrial COX2 mRNA of Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1994, 242, 383-390.	2.4	48
40	Positive Control of Translation in Organellar Genetic Systems. , 1993, , 157-166.		3
41	Suppression of carboxy-terminal truncations of the yeast mitochondrial mRNA-specific translational activator PET122 by mutations in two new genes, MRP17 and PET127. Molecular Genetics and Genomics, 1992, 235, 64-73.	2.4	46
42	[10] Analysis and manipulation of yeast mitochondrial genes. Methods in Enzymology, 1991, 194, 149-165.	1.0	241
43	Escape of DNA from mitochondria to the nucleus in Saccharomyces cerevisiae. Nature, 1990, 346, 376-379.	27.8	259
44	Organelle transformation: Shoot first, ask questions later. Trends in Biochemical Sciences, 1990, 15, 465-468.	7.5	47
45	Control of Mitochondrial Gene Expression in Saccharomyces Cerevisiae. Annual Review of Genetics, 1990, 24, 91-108.	7.6	268
46	Translation in Yeast Mitochondria: A Review of General Features and a Case of mRNA-Specific Positive Control. , 1990, , 411-420.		0
47	Substitution of an invariant nucleotide at the base of the highly conserved â€˜530â€“loopâ€™ of 15S rRNA causes suppression of yeast mitochondrial ochre mutations. Nucleic Acids Research, 1989, 17, 4535-4539.	14.5	75
48	The yeast nuclear gene CBS1 is required for translation of mitochondrial mRNAs bearing the cob 5â€² untranslated leader. Molecular Genetics and Genomics, 1987, 206, 45-50.	2.4	90
49	<i>PET111</i>, a <i>Saccharomyces cerevisiae</i> Nuclear Gene Required for Translation of the Mitochondrial mRNA Encoding Cytochrome <i>c</i> Oxidase Subunit II. Genetics, 1987, 115, 637-647.	2.9	152
50	Mitochondrial genome rearrangement leads to extension and relocation of the cytochrome c oxidase subunit I gene in sorghum. Cell, 1986, 47, 567-576.	28.9	126
51	Molecular genetic: Diverged genetic codes in protozoans and a bacterium. Nature, 1985, 314, 132-133.	27.8	25
52	Molecular biology: Multiple forms of mitochondrial DNA in higher plants. Nature, 1984, 307, 415-415.	27.8	4
53	A nuclear mutation that post-transcriptionally blocks accumulation of a yeast mitochondrial gene product can be suppressed by a mitochondrial gene rearrangement. Journal of Molecular Biology, 1984, 175, 431-452.	4.2	130
54	Migratory DNA: Mitochondrial genes in the nucleus. Nature, 1983, 301, 371-372.	27.8	26

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55	The maxicircle of Trypanosoma brucei kinetoplast DNA hybridizes with a mitochondrial gene encoding cytochrome oxidase subunit II. Molecular and Biochemical Parasitology, 1982, 5, 381-390.	1.1	19
56	The zea mays mitochondrial gene coding cytochrome oxidase subunit II has an intervening sequence and does not contain TGA codons. Cell, 1981, 26, 315-323.	28.9	472
57	Synthesis and processing of ribosomal RNA in isolated yeast mitochondria. Nucleic Acids Research, 1981, 9, 6379-6390.	14.5	24
58	Genetic and physical analysis of the mitochondrial gene for subunit II of yeast cytochrome c oxidase. Journal of Molecular Biology, 1979, 130, 63-82.	4.2	61