

Thomas D Fox

List of Publications by Year in descending order

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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 zea mays mitochondrial gene coding cytochrome oxidase subunit II has an intervening sequence and does not contain TGA codons. <i>Cell</i> , 1981, 26, 315-323.	28.9	472
2	Control of Mitochondrial Gene Expression in <i>Saccharomyces Cerevisiae</i> . <i>Annual Review of Genetics</i> , 1990, 24, 91-108.	7.6	268
3	Escape of DNA from mitochondria to the nucleus in <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , 1990, 346, 376-379.	27.8	259
4	[10] Analysis and manipulation of yeast mitochondrial genes. <i>Methods in Enzymology</i> , 1991, 194, 149-165.	1.0	241
5	Inventory control: cytochrome c oxidase assembly regulates mitochondrial translation. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 14-20.	37.0	182
6	Mitochondrial Protein Synthesis, Import, and Assembly. <i>Genetics</i> , 2012, 192, 1203-1234.	2.9	177
7	Mss51p promotes mitochondrial Cox1p synthesis and interacts with newly synthesized Cox1p. <i>EMBO Journal</i> , 2003, 22, 5951-5961.	7.8	167
8	<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. <i>Genetics</i> , 1987, 115, 637-647.	2.9	152
9	Interactions among COX1, COX2, and COX3 mRNA-specific Translational Activator Proteins on the Inner Surface of the Mitochondrial Inner Membrane of <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2003, 14, 324-333.	2.1	140
10	A nuclear mutation that post-transcriptionally blocks accumulation of a yeast mitochondrial gene product can be suppressed by a mitochondrial gene rearrangement. <i>Journal of Molecular Biology</i> , 1984, 175, 431-452.	4.2	130
11	Mitochondrial genome rearrangement leads to extension and relocation of the cytochrome c oxidase subunit I gene in sorghum. <i>Cell</i> , 1986, 47, 567-576.	28.9	126
12	Cox18p Is Required for Export of the Mitochondrially Encoded <i>Saccharomyces cerevisiae</i> Cox2p C-Tail and Interacts with Pnt1p and Mss2p in the Inner Membrane. <i>Molecular Biology of the Cell</i> , 2002, 13, 1122-1131.	2.1	105
13	The yeast nuclear gene CBS1 is required for translation of mitochondrial mRNAs bearing the cob 5' untranslated leader. <i>Molecular Genetics and Genomics</i> , 1987, 206, 45-50.	2.4	90
14	Dual Functions of Mss51 Couple Synthesis of Cox1 to Assembly of Cytochrome <i>c</i> Oxidase in <i>Saccharomyces cerevisiae</i> Mitochondria. <i>Molecular Biology of the Cell</i> , 2009, 20, 4371-4380.	2.1	80
15	Pet11p, an Inner Membrane-bound Translational Activator That Limits Expression of the <i>Saccharomyces cerevisiae</i> Mitochondrial Gene COX2. <i>Journal of Biological Chemistry</i> , 2001, 276, 6392-6397.	3.4	79
16	Substitution of an invariant nucleotide at the base of the highly conserved 530 loop™ of 15S rRNA causes suppression of yeast mitochondrial ochre mutations. <i>Nucleic Acids Research</i> , 1989, 17, 4535-4539.	14.5	75
17	Genetic transformation of <i>Saccharomyces cerevisiae</i> mitochondria. <i>Methods in Cell Biology</i> , 2001, 65, 381-396.	1.1	75
18	Roles of Oxa1-related inner-membrane translocases in assembly of respiratory chain complexes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 60-70.	4.1	74

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19	Mitochondrial Translation of <i>Saccharomyces cerevisiae</i> COX2 mRNA Is Controlled by the Nucleotide Sequence Specifying the Pre-Cox2p Leader Peptide. <i>Molecular and Cellular Biology</i> , 2001, 21, 2359-2372.	2.3	62
20	Genetic and physical analysis of the mitochondrial gene for subunit II of yeast cytochrome c oxidase. <i>Journal of Molecular Biology</i> , 1979, 130, 63-82.	4.2	61
21	Functional Interactions between Yeast Mitochondrial Ribosomes and mRNA 5' Untranslated Leaders. <i>Molecular and Cellular Biology</i> , 1998, 18, 1826-1834.	2.3	60
22	In Vivo Analysis of <i>Saccharomyces cerevisiae</i> COX2 mRNA 5' Untranslated Leader Functions in Mitochondrial Translation Initiation and Translational Activation. <i>Genetics</i> , 1997, 147, 87-100.	2.9	60
23	Mutations Affecting a Yeast Mitochondrial Inner Membrane Protein, Pnt1p, Block Export of a Mitochondrially Synthesized Fusion Protein from the Matrix. <i>Molecular and Cellular Biology</i> , 1999, 19, 6598-6607.	2.3	56
24	Aberrant Translation of Cytochrome c Oxidase Subunit I mRNA Species in the Absence of Mss51p in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2007, 18, 523-535.	2.1	54
25	Reduced but accurate translation from a mutant AUA initiation codon in the mitochondrial COX2 mRNA of <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1994, 242, 383-390.	2.4	48
26	Organelle transformation: Shoot first, ask questions later. <i>Trends in Biochemical Sciences</i> , 1990, 15, 465-468.	7.5	47
27	Suppression of carboxy-terminal truncations of the yeast mitochondrial mRNA-specific translational activator PET122 by mutations in two new genes, MRP17 and PET127. <i>Molecular Genetics and Genomics</i> , 1992, 235, 64-73.	2.4	46
28	Peripheral Mitochondrial Inner Membrane Protein, Mss2p, Required for Export of the Mitochondrially Coded Cox2p C Tail in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2001, 21, 7663-7672.	2.3	42
29	Genetic Transformation of <i>Saccharomyces cerevisiae</i> and <i>Chlamydomonas reinhardtii</i> Mitochondria. <i>Methods in Cell Biology</i> , 2007, 80, 525-548.	1.1	42
30	Translocation of Mitochondrially Synthesized Cox2 Domains from the Matrix to the Intermembrane Space. <i>Molecular and Cellular Biology</i> , 2007, 27, 4664-4673.	2.3	41
31	The Carboxyl-terminal End of Cox1 Is Required for Feedback Assembly Regulation of Cox1 Synthesis in <i>Saccharomyces cerevisiae</i> Mitochondria. <i>Journal of Biological Chemistry</i> , 2010, 285, 34382-34389.	3.4	38
32	Translocation and Assembly of Mitochondrially Coded <i>Saccharomyces cerevisiae</i> Cytochrome c Oxidase Subunit Cox2 by Oxa1 and Yme1 in the Absence of Cox18. <i>Genetics</i> , 2009, 182, 519-528.	2.9	36
33	Translation Initiation in <i>Saccharomyces cerevisiae</i> Mitochondria: Functional Interactions Among Mitochondrial Ribosomal Protein Rsm28p, Initiation Factor 2, Methionyl-tRNA-Formyltransferase and Novel Protein Rmd9p. <i>Genetics</i> , 2007, 175, 1117-1126.	2.9	33
34	Highly Diverged Homologs of <i>Saccharomyces cerevisiae</i> Mitochondrial mRNA-Specific Translational Activators Have Orthologous Functions in Other Budding Yeasts. <i>Genetics</i> , 2000, 154, 999-1012.	2.9	33
35	PET112, a <i>Saccharomyces cerevisiae</i> nuclear gene required to maintain rho + mitochondrial DNA. <i>Current Genetics</i> , 1994, 25, 299-304.	1.7	32
36	Relocation of the unusual VAR1 gene from the mitochondrion to the nucleus. <i>Biochemistry and Cell Biology</i> , 1995, 73, 987-995.	2.0	31

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37	Expression of green fluorescent protein from a recoded gene inserted into <i>Saccharomyces cerevisiae</i> mitochondrial DNA. <i>Mitochondrion</i> , 2001, 1, 181-189.	3.4	30
38	Multiple Roles of the Cox20 Chaperone in Assembly of <i>Saccharomyces cerevisiae</i> Cytochrome <i>c</i> Oxidase. <i>Genetics</i> , 2012, 190, 559-567.	2.9	30
39	Evidence that Synthesis of the <i>Saccharomyces cerevisiae</i> Mitochondrially Encoded Ribosomal Protein Var1p May Be Membrane Localized. <i>Eukaryotic Cell</i> , 2003, 2, 651-653.	3.4	27
40	Migratory DNA: Mitochondrial genes in the nucleus. <i>Nature</i> , 1983, 301, 371-372.	27.8	26
41	Molecular genetic: Diverged genetic codes in protozoans and a bacterium. <i>Nature</i> , 1985, 314, 132-133.	27.8	25
42	The Cox1 C-terminal domain is a central regulator of cytochrome c oxidase biogenesis in yeast mitochondria. <i>Journal of Biological Chemistry</i> , 2017, 292, 10912-10925.	3.4	25
43	Synthesis and processing of ribosomal RNA in isolated yeast mitochondria. <i>Nucleic Acids Research</i> , 1981, 9, 6379-6390.	14.5	24
44	Overexpression of the <i>COX2</i> translational activator, Pet11p, prevents translation of <i>COX1</i> mRNA and cytochrome <i>c</i> oxidase assembly in mitochondria of <i>Saccharomyces cerevisiae</i> . <i>Molecular Microbiology</i> , 2005, 56, 1689-1704.	2.5	24
45	The maxicircle of <i>Trypanosoma brucei</i> kinetoplast DNA hybridizes with a mitochondrial gene encoding cytochrome oxidase subunit II. <i>Molecular and Biochemical Parasitology</i> , 1982, 5, 381-390.	1.1	19
46	Antagonistic signals within the COX2 mRNA coding sequence control its translation in <i>Saccharomyces cerevisiae</i> mitochondria. <i>Rna</i> , 2003, 9, 419-431.	3.5	19
47	Deletion of the Leader Peptide of the Mitochondrially Encoded Precursor of <i>Saccharomyces cerevisiae</i> Cytochrome c Oxidase Subunit II. <i>Genetics</i> , 1997, 145, 903-910.	2.9	18
48	<i>Schizosaccharomyces pombe</i> homologs of the <i>Saccharomyces cerevisiae</i> mitochondrial proteins Cbp6 and Mss51 function at a post-translational step of respiratory complex biogenesis. <i>Mitochondrion</i> , 2012, 12, 381-390.	3.4	17
49	A point mutation in the 5'-untranslated leader that affects translational activation of the mitochondrial COX 3 mRNA. <i>Current Genetics</i> , 1995, 28, 60-66.	1.7	16
50	Genetic transformation of <i>Saccharomyces cerevisiae</i> mitochondria. <i>Methods in Enzymology</i> , 2002, 350, 97-111.	1.0	16
51	Alteration of a Novel Dispensable Mitochondrial Ribosomal Small-Subunit Protein, Rsm28p, Allows Translation of Defective COX2 mRNAs. <i>Eukaryotic Cell</i> , 2005, 4, 337-345.	3.4	15
52	MrpL36p, a Highly Diverged L31 Ribosomal Protein Homolog With Additional Functional Domains in <i>Saccharomyces cerevisiae</i> Mitochondria. <i>Genetics</i> , 2004, 167, 65-75.	2.9	14
53	Activity of Mitochondrially Synthesized Reporter Proteins Is Lower Than That of Imported Proteins and Is Increased by Lowering cAMP in Glucose-Grown <i>Saccharomyces cerevisiae</i> Cells. <i>Genetics</i> , 2003, 165, 961-974.	2.9	13
54	Molecular biology: Multiple forms of mitochondrial DNA in higher plants. <i>Nature</i> , 1984, 307, 415-415.	27.8	4

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55	[21] Genetic strategies for identification of mitochondrial translation factors in <i>Saccharomyces cerevisiae</i> . <i>Methods in Enzymology</i> , 1996, 264, 228-237.	1.0	3
56	Positive Control of Translation in Organellar Genetic Systems. , 1993, , 157-166.		3
57	An MBoC Favorite: Mitochondrial transmission during mating in <i>Saccharomyces cerevisiae</i> is determined by mitochondrial fusion and fission and the intramitochondrial segregation of mitochondrial DNA. <i>Molecular Biology of the Cell</i> , 2012, 23, 4144-4144.	2.1	1
58	Translation in Yeast Mitochondria: A Review of General Features and a Case of mRNA-Specific Positive Control. , 1990, , 411-420.		0