Frank E Nargang

List of Publications by Year
in descending order

47 papers	3,150 citations	201575 27 h-index	223716 46 g-index
47 all docs	47 docs citations	47 times ranked	2019 citing authors

#	Article	IF	Citations
1	Lessons from the Genome Sequence of Neurospora crassa : Tracing the Path from Genomic Blueprint to Multicellular Organism. Microbiology and Molecular Biology Reviews, 2004, 68, 1-108.	2.9	572
2	The Preprotein Translocation Channel of the Outer Membrane of Mitochondria. Cell, 1998, 93, 1009-1019.	13.5	363
3	The Tom Core Complex. Journal of Cell Biology, 1999, 147, 959-968.	2.3	200
4	Tim50, a novel component of the TIM23 preprotein translocase of mitochondria. EMBO Journal, 2003, 22, 816-825.	3.5	171
5	The Tim8-Tim13 Complex of Neurospora crassa Functions in the Assembly of Proteins into Both Mitochondrial Membranes. Journal of Biological Chemistry, 2004, 279, 12396-12405.	1.6	154
6	Biogenesis of Porin of the Outer Mitochondrial Membrane Involves an Import Pathway via Receptors and the General Import Pore of the Tom Complex. Journal of Cell Biology, 2001, 152, 289-300.	2.3	151
7	Kinesin is essential for cell morphogenesis and polarized secretion in Neurospora crassa. EMBO Journal, 1997, 16, 3025-3034.	3.5	137
8	The Isolated Complex of the Translocase of the Outer Membrane of Mitochondria. Journal of Biological Chemistry, 1998, 273, 31032-31039.	1.6	97
9	Cloning and Analysis of the Alternative Oxidase Gene of Neurospora crassa. Genetics, 1996, 142, 129-140.	1.2	87
10	The Oxa1 Protein Forms a Homooligomeric Complex and Is an Essential Part of the Mitochondrial Export Translocase in Neurospora crassa. Journal of Biological Chemistry, 2002, 277, 12846-12853.	1.6	81
11	Dynamics of the TOM Complex of Mitochondria during Binding and Translocation of Preproteins. Molecular and Cellular Biology, 1998, 18, 5256-5262.	1.1	73
12	Biogenesis of mitochondrial proteins. Current Opinion in Cell Biology, 1996, 8, 505-512.	2.6	72
13	The Oxa2 Protein ofNeurospora crassaPlays a Critical Role in the Biogenesis of Cytochrome Oxidase and Defines a Ubiquitous Subbranch of the Oxa1/YidC/Alb3 Protein Family. Molecular Biology of the Cell, 2004, 15, 1853-1861.	0.9	69
14	The Neurospora crassa cya-5 nuclear gene encodes a protein with a region of homology to the Saccharomyces cerevisiae PET309 protein and is required in a post-transcriptional step for the expression of the mitochondrially encoded COXI protein. Current Genetics, 1997, 32, 273-280.	0.8	68
15	Reconstituted TOM Core Complex and Tim9/Tim10 Complex of Mitochondria Are Sufficient for Translocation of the ADP/ATP Carrier across Membranes. Molecular Biology of the Cell, 2004, 15, 1445-1458.	0.9	65
16	Functions of the Small Proteins in the TOM Complex of Neurospora crasssa. Molecular Biology of the Cell, 2005, 16, 4172-4182.	0.9	59
17	Roles of the Mdm10, Tom7, Mdm12, and Mmm1 Proteins in the Assembly of Mitochondrial Outer Membrane Proteins in Neurospora crassa. Molecular Biology of the Cell, 2010, 21, 1725-1736.	0.9	57
18	Assembly of Tom6 and Tom7 into the TOM Core Complex ofNeurospora crassa. Journal of Biological Chemistry, 2001, 276, 17679-17685.	1.6	56

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19	Role of Tom5 in Maintaining the Structural Stability of the TOM Complex of Mitochondria. Journal of Biological Chemistry, 2005, 280, 14499-14506.	1.6	50
20	Alternative oxidase expression in Neurospora crassa. Fungal Genetics and Biology, 2003, 39, 176-190.	0.9	48
21	Characterization of Neurospora crassa Tom40-deficient Mutants and Effect of Specific Mutations on Tom40 Assembly. Journal of Biological Chemistry, 2003, 278, 765-775.	1.6	44
22	Structural Requirements of Tom40 for Assembly into Preexisting TOM Complexes of Mitochondria. Molecular Biology of the Cell, 2001, 12, 1189-1198.	0.9	43
23	Characterization of the insertase for Î²-barrel proteins of the outer mitochondrial membrane. Journal of Cell Biology, 2012, 199, 599-611.	2.3	43
24	Nuclear cytochrome-deficient mutants of neurospora crassa: Isolation, characterization, and genetic mapping. Molecular Genetics and Genomics, 1977, 153, 247-257.	2.4	39
25	An Import Signal in the Cytosolic Domain of theNeurospora Mitochondrial Outer Membrane Protein TOM22. Journal of Biological Chemistry, 1998, 273, 11527-11532.	1.6	38
26	Role of the Negative Charges in the Cytosolic Domain of TOM22 in the Import of Precursor Proteins into Mitochondria. Molecular and Cellular Biology, 1998, 18, 3173-3181.	1.1	38
27	Inactivation of the Neurospora crassa mitochondrial outer membrane protein TOM70 by repeat-induced point mutation (RIP) causes defects in mitochondrial protein import and morphology. Current Genetics, 1999, 36, 137-146.	0.8	27
28	Effect of Mutations in Tom40 on Stability of the Translocase of the Outer Mitochondrial Membrane (TOM) Complex, Assembly of Tom40, and Import of Mitochondrial Preproteins*. Journal of Biological Chemistry, 2006, 281, 22554-22565.	1.6	26
29	Genetic Evidence for a Regulatory Pathway Controlling Alternative Oxidase Production in Neurospora crassa. Genetics, 2005, 169, 123-135.	1.2	25
30	Analysis of Mutations in Neurospora crassa ERMES Components Reveals Specific Functions Related to Î²-Barrel Protein Assembly and Maintenance of Mitochondrial Morphology. PLoS ONE, 2013, 8, e71837.	1.1	20
31	Two Zinc-Cluster Transcription Factors Control Induction of Alternative Oxidase in Neurospora crassa. Genetics, 2007, 177, 1997-2006.	1.2	19
32	Evidence Supporting the 19 Î²-Strand Model for Tom40 from Cysteine Scanning and Protease Site Accessibility Studies. Journal of Biological Chemistry, 2014, 289, 21640-21650.	1.6	19
33	Alternative Splicing Gives Rise to Different Isoforms of the Neurospora crassa Tob55 Protein That Vary in Their Ability to Insert Î²-Barrel Proteins Into the Outer Mitochondrial Membrane. Genetics, 2007, 177, 137-149.	1.2	18
34	The Neurospora crassa TOB Complex: Analysis of the Topology and Function of Tob38 and Tob37. PLoS ONE, 2011, 6, e25650.	1.1	18
35	Identification of an Alternative Oxidase Induction Motif in the Promoter Region of the aod-1 Gene in Neurospora crassa. Genetics, 2007, 175, 1597-1606.	1.2	15
36	Investigation of regulatory factors required for alternative oxidase production in Neurospora crassa. Physiologia Plantarum, 2009, 137, 407-418.	2.6	15

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37	Neurospora crassa as a Model Organism for Mitochondrial Biogenesis. Methods in Molecular Biology, 2007, 372, 107-123.	0.4	14
38	Identification of Genes Required for Alternative Oxidase Production in the Neurospora crassa Gene Knockout Library. G3: Genes, Genomes, Genetics, 2012, 2, 1345-1356.	0.8	13
39	Folylpolyglutamate synthesis in Neurospora crassa: Primary structure of the folylpolyglutamate synthetase gene and elucidation of the met-6 mutation. Phytochemistry, 1998, 49, 2221-2232.	1.4	10
40	Import and assembly of Neurospora crassa Tom40 into mitochondria of Trypanosoma brucei in vivo. Current Genetics, 2003, 44, 85-94.	0.8	9
41	Folylpolyglutamate synthesis in Neurospora crassa: Transformation of polyglutamate-deficient mutants. Phytochemistry, 1995, 38, 603-608.	1.4	8
42	Alternative Oxidase Transcription Factors AOD2 and AOD5 ofNeurospora crassaControl the Expression of Genes Involved in Energy Production and Metabolism. G3: Genes, Genomes, Genetics, 2017, 7, 449-466.	0.8	6
43	Mitochondria and Respiration. , 2014, , 153-178.		4
44	Isolation and Sequencing of a Plant cDNA Encoding a Bifunctional Methylenetetrahydrofolate Dehydrogenase : Methenyltetrahydrofolate Cyclohydrolase Protein. Pteridines, 1999, 10, 171-177.	0.5	3
45	Involvement of a G Protein Regulatory Circuit in Alternative Oxidase Production inNeurospora crassa. G3: Genes, Genomes, Genetics, 2019, 9, 3453-3465.	0.8	3
46	Mitochondrial biogenesis: Protein import into and across the outer membrane. Topics in Current Genetics, 2004, , 37-58.	0.7	2
47	Characterization of Single Gene Deletion Mutants Affecting Alternative Oxidase Production in Neurospora crassa: Role of the yvh1 Gene. Microorganisms, 2020, 8, 1186.	1.6	1