Jozef Nosek

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2883779/publications.pdf

Version: 2024-02-01

105	2,688	186265	223800
papers	citations	28 h-index	46 g-index

112	112	112	2559
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monoclonal antibodies targeting two immunodominant epitopes on the Spike protein neutralize emerging SARS-CoV-2 variants of concern. EBioMedicine, 2022, 76, 103818.	6.1	14
2	Transcriptome and proteome profiling reveals complex adaptations of Candida parapsilosis cells assimilating hydroxyaromatic carbon sources. PLoS Genetics, 2022, 18, e1009815.	3.5	1
3	Genome analysis of five recently described species of the CUG-Ser clade uncovers Candida theae as a new hybrid lineage with pathogenic potential in the Candida parapsilosis species complex. DNA Research, 2022, , .	3.4	4
4	Step-by-Step Evolution of Telomeres: Lessons from Yeasts. Genome Biology and Evolution, 2021, 13, .	2.5	27
5	Mitochondrial protein phosphorylation in yeast revisited. Mitochondrion, 2021, 57, 148-162.	3.4	8
6	Shared evolutionary footprints suggest mitochondrial oxidative damage underlies multiple complex I losses in fungi. Open Biology, 2021, 11, 200362.	3.6	10
7	OCT1 â€“ a yeast mitochondrial thiolase involved in the 3-oxoadipate pathway. FEMS Yeast Research, 2021, 21, .	2.3	2
8	Genome analysis of Candida subhashii reveals its hybrid nature and dual mitochondrial genome conformations. DNA Research, 2021, 28, .	3.4	14
9	A SARS-CoV-2 mutant from B.1.258 lineage with âˆ†H69/âˆ†V70 deletion in the Spike protein circulating in Central Europe in the fall 2020. Virus Genes, 2021, 57, 556-560.	1.6	27
10	The yeast mitochondrial succinylome: Implications for regulation of mitochondrial nucleoids. Journal of Biological Chemistry, 2021, 297, 101155.	3.4	8
11	Design and Synthesis of Pyrano[3,2-b]indolones Showing Antimycobacterial Activity. ACS Infectious Diseases, 2021, 7, 88-100.	3.8	7
12	Surveillance of SARS-CoV-2 lineage B.1.1.7 in Slovakia using a novel, multiplexed RT-qPCR assay. Scientific Reports, 2021, 11, 20494.	3.3	24
13	Nanopore sequencing of SARS-CoV-2: Comparison of short and long PCR-tiling amplicon protocols. PLoS ONE, 2021, 16, e0259277.	2.5	16
14	Mitochondrial HMG-Box Containing Proteins: From Biochemical Properties to the Roles in Human Diseases. Biomolecules, 2020, 10, 1193.	4.0	14
15	Role of folding kinetics of secondary structures in telomeric G-overhangs in the regulation of telomere maintenance in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2020, 295, 8958-8971.	3.4	17
16	Co-evolution in the Jungle: From Leafcutter Ant Colonies to Chromosomal Ends. Journal of Molecular Evolution, 2020, 88, 293-318.	1.8	1
17	A New View of the T-Loop Junction: Implications for Self-Primed Telomere Extension, Expansion of Disease-Related Nucleotide Repeat Blocks, and Telomere Evolution. Frontiers in Genetics, 2019, 10, 792.	2.3	29
18	Identification of telomerase RNAs in species of the Yarrowia clade provides insights into the co-evolution of telomerase, telomeric repeats and telomere-binding proteins. Scientific Reports, 2019, 9, 13365.	3.3	27

#	Article	IF	Citations
19	Genome Sequence of Flavor-Producing Yeast Saprochaete suaveolens NRRL Y-17571. Microbiology Resource Announcements, 2019, 8, .	0.6	1
20	Genome Sequence of an Arthroconidial Yeast, Saprochaete fungicola CBS 625.85. Microbiology Resource Announcements, 2019, 8, .	0.6	1
21	Candida parapsilosis: from Genes to the Bedside. Clinical Microbiology Reviews, 2019, 32, .	13.6	182
22	Genome Sequence of the Yeast Saprochaete ingens CBS 517.90. Microbiology Resource Announcements, 2019, 8, .	0.6	1
23	Genome sequence of the opportunistic human pathogen Magnusiomyces capitatus. Current Genetics, 2019, 65, 539-560.	1.7	14
24	Ten simple rules for writing a cover letter to accompany a job application for an academic position. PLoS Computational Biology, 2018, 14, e1006132.	3.2	7
25	Commentary: Single-stranded telomere-binding protein employs a dual rheostat for binding affinity and specificity that drives function. Frontiers in Genetics, 2018, 9, 742.	2.3	5
26	Eukaryotic transporters for hydroxyderivatives of benzoic acid. Scientific Reports, 2017, 7, 8998.	3.3	8
27	Double-stranded telomeric DNA binding proteins: Diversity matters. Cell Cycle, 2017, 16, 1568-1577.	2.6	17
28	Draft Genome Sequence of an Obligate Psychrophilic Yeast, Candida psychrophila NRRL Y-17665 T. Genome Announcements, 2017, 5, .	0.8	2
29	Evolution of Telomeres in Schizosaccharomyces pombe and Its Possible Relationship to the Diversification of Telomere Binding Proteins. PLoS ONE, 2016, 11, e0154225.	2.5	16
30	Yeast mitochondrial HMG proteins: DNA-binding properties of the most evolutionarily divergent component of mitochondrial nucleoids. Bioscience Reports, 2016, 36, e00288.	2.4	9
31	Mgm101: A double-duty Rad52-like protein. Cell Cycle, 2016, 15, 3169-3176.	2.6	7
32	Mitochondrial Carriers Link the Catabolism of Hydroxyaromatic Compounds to the Central Metabolism in Candida parapsilosis. G3: Genes, Genomes, Genetics, 2016, 6, 4047-4058.	1.8	7
33	The structure and DNA-binding properties of Mgm101 from a yeast with a linear mitochondrial genome. Nucleic Acids Research, 2016, 44, 2227-2239.	14.5	7
34	Identification of Yeast Mutants Exhibiting Altered Sensitivity to Valinomycin and Nigericin Demonstrate Pleiotropic Effects of Ionophores on Cellular Processes. PLoS ONE, 2016, 11, e0164175.	2.5	6
35	Mdm31 protein mediates sensitivity to potassium ionophores but does not regulate mitochondrial morphology or phospholipid trafficking inSchizosaccharomyces pombe. Yeast, 2015, 32, 345-354.	1.7	1
36	Saccharomyces cerevisiae as a model for the study of extranuclear functions of mammalian telomerase. Current Genetics, 2015, 61, 517-527.	1.7	9

#	Article	IF	Citations
37	Programmed translational bypassing elements in mitochondria: structure, mobility, and evolutionary origin. Trends in Genetics, 2015, 31, 187-194.	6.7	19
38	Metabolic gene clusters encoding the enzymes of two branches of the 3-oxoadipate pathway in the pathogenic yeast Candida albicans. FEMS Yeast Research, 2015, 15, .	2.3	20
39	The Genomic Aftermath of Hybridization in the Opportunistic Pathogen Candida metapsilosis. PLoS Genetics, 2015, 11, e1005626.	3.5	139
40	Massive programmed translational jumping in mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5926-5931.	7.1	58
41	Timing of meiosis: Microtubules on the move. Cell Cycle, 2014, 13, 13-13.	2.6	1
42	Mitochondrial genome of the basidiomycetous yeast Jaminaea angkorensis. Current Genetics, 2014, 60, 49-59.	1.7	17
43	Mathematical model of alternative mechanism of telomere length maintenance. Physical Review E, 2014, 89, 032701.	2.1	3
44	The Strictly Aerobic Yeast Yarrowia lipolytica Tolerates Loss of a Mitochondrial DNA-Packaging Protein. Eukaryotic Cell, 2014, 13, 1143-1157.	3.4	15
45	Replication Intermediates of the Linear Mitochondrial DNA of Candida parapsilosis Suggest a Common Recombination Based Mechanism for Yeast Mitochondria. Journal of Biological Chemistry, 2014, 289, 22659-22670.	3.4	26
46	Yeast membranes and cell wall: from basics to applications. Current Genetics, 2013, 59, 167-169.	1.7	6
47	A new tool for an old problem. Cell Cycle, 2012, 11, 1755-1755.	2.6	2
48	Synergism of the Two Myb Domains of Tay1 Protein Results in High Affinity Binding to Telomeres. Journal of Biological Chemistry, 2012, 287, 32206-32215.	3.4	18
49	Mitochondrial genome variability within the Candida parapsilosis species complex. Mitochondrion, 2012, 12, 514-519.	3.4	20
50	Gentisate and 3-oxoadipate pathways in the yeast Candida parapsilosis: identification and functional analysis of the genes coding for 3-hydroxybenzoate 6-hydroxylase and 4-hydroxybenzoate 1-hydroxylase. Microbiology (United Kingdom), 2011, 157, 2152-2163.	1.8	56
51	Evolution of linear chromosomes and multipartite genomes in yeast mitochondria. Nucleic Acids Research, 2011, 39, 4202-4219.	14.5	69
52	Lack of the catalytic subunit of telomerase leads to growth defects accompanied by structural changes at the chromosomal ends in Yarrowia lipolytica. Current Genetics, 2010, 56, 413-425.	1.7	11
53	A single amino acid mutation alters the capsid protein electrophoretic double-band phenotype of the Plum pox virus strain PPV-Rec. Archives of Virology, 2010, 155, 1151-1155.	2.1	15
54	Tay1 Protein, a Novel Telomere Binding Factor from Yarrowia lipolytica. Journal of Biological Chemistry, 2010, 285, 38078-38092.	3.4	27

#	Article	IF	Citations
55	The mitochondrial genome of the pathogenic yeast Candida subhashii: GC-rich linear DNA with a protein covalently attached to the 5â€² termini. Microbiology (United Kingdom), 2010, 156, 2153-2163.	1.8	36
56	Filling out the gaps is the hardest (yet rewarding) task: The genome-wide collection of the fission yeast deletion mutants is near completion. Cell Cycle, 2010, 9, 2271-2274.	2.6	1
57	Formation of C-terminally truncated version of the Taz1 protein employs cleavage-box structure in mRNA. Biochemical and Biophysical Research Communications, 2010, 392, 391-396.	2.1	1
58	Novel subfamily of mitochondrial HMG box-containing proteins: functional analysis of Gcf1p from Candida albicans. Microbiology (United Kingdom), 2009, 155, 1226-1240.	1.8	29
59	Identification and comparative analysis of telomerase RNAs from Candida species reveal conservation of functional elements. Rna, 2009, 15, 546-559.	3.5	91
60	Mitochondrial nucleoids from the yeast Candida parapsilosis: expansion of the repertoire of proteins associated with mitochondrial DNA. Microbiology (United Kingdom), 2009, 155, 1558-1568.	1.8	28
61	Telomere heterogeneity: Taking advantage of stochastic events. FEBS Letters, 2009, 583, 1067-1071.	2.8	10
62	Biology and genetics of the pathogenic yeast Candida parapsilosis. Current Genetics, 2009, 55, 497-509.	1.7	53
63	Telomeric circles: universal players in telomere maintenance?. Nature Structural and Molecular Biology, 2009, 16, 1010-1015.	8.2	89
64	Preparation of yeast mitochondrial DNA for direct sequence analysis. Current Genetics, 2008, 54, 105-109.	1.7	15
65	Disruption of genes encoding pyruvate dehydrogenase kinases leads to retarded growth on acetate and ethanol in Saccharomyces cerevisiae. Yeast, 2008, 25, 9-19.	1.7	10
66	Development of a set of plasmid vectors for genetic manipulations of the pathogenic yeast Candida parapsilosis. Gene, 2007, 396, 338-345.	2.2	23
67	Comparison of element levels in minimal and complex yeast media. Canadian Journal of Microbiology, 2007, 53, 533-535.	1.7	19
68	Mitochondrial chromosome structure: an insight from analysis of complete yeast genomes. FEMS Yeast Research, 2006, 6, 356-370.	2.3	28
69	On the origin of telomeres: a glimpse at the pre-telomerase world. BioEssays, 2006, 28, 182-190.	2.5	54
70	Complete DNA sequences of the mitochondrial genomes of the pathogenic yeasts Candida orthopsilosis and Candida metapsilosis: insight into the evolution of linear DNA genomes from mitochondrial telomere mutants. Nucleic Acids Research, 2006, 34, 2472-2481.	14.5	62
71	Mitochondrial chromosome structure: an insight from analysis of complete yeast genomes. FEMS Yeast Research, 2006, .	2.3	0
72	Amplification of Telomeric Arrays via Rolling-circle Mechanism. Journal of Biological Chemistry, 2005, 280, 10840-10845.	3.4	63

#	Article	IF	Citations
73	Linear versus circular mitochondrial genomes: intraspecies variability of mitochondrial genome architecture in Candida parapsilosis. Microbiology (United Kingdom), 2004, 150, 1571-1580.	1.8	52
74	Differentiation of the Yeasts Williopsis, Zygowilliopsis and Komagataea by Karyotypic and PCR Analyses. Systematic and Applied Microbiology, 2004, 27, 192-197.	2.8	10
75	Complete DNA sequence of the linear mitochondrial genome of the pathogenic yeast Candida parapsilosis. Molecular Genetics and Genomics, 2004, 272, 173-180.	2.1	56
76	High-efficiency transformation of the pathogenic yeast Candida parapsilosis. Current Genetics, 2004, 45, 183-186.	1.7	20
77	Taz1 Binding to a Fission Yeast Model Telomere. Journal of Biological Chemistry, 2004, 279, 50764-50772.	3.4	45
78	Alternatives to telomerase: keeping linear chromosomes via telomeric circles. FEBS Letters, 2004, 567, 142-146.	2.8	50
79	The chromosome end replication: lessons from mitochondrial genetics. Journal of Applied Biomedicine, 2004, 2, 71-79.	1.7	8
80	Mitochondrial genome diversity: evolution of the molecular architecture and replication strategy. Current Genetics, 2003, 44, 73-84.	1.7	87
81	An Overlooked Riddle of Lifeâ€™s Origins: Energy-Dependent Nucleic Acid Unzipping. Journal of Molecular Evolution, 2003, 57, S182-S189.	1.8	9
82	Yeast telomeres: how to ignore essential double-strand DNA breaks?. Journal of Applied Biomedicine, 2003, 1, 189-198.	1.7	0
83	Mitochondrial Telomeres as Molecular Markers for Identification of the Opportunistic Yeast Pathogen Candida parapsilosis. Journal of Clinical Microbiology, 2002, 40, 1283-1289.	3.9	38
84	t-Loops in yeast mitochondria. Mitochondrion, 2002, 1, 455-459.	3.4	35
85	Isolation of genes coding for Ade2 and Ura3 homologues from the multinuclear yeast Dipodascus magnusii. Current Genetics, 2002, 41, 20-24.	1.7	3
86	Genetic manipulation of the pathogenic yeast Candida parapsilosis. Current Genetics, 2002, 42, 27-35.	1.7	30
87	Mitochondrial Single-Stranded DNA-Binding Proteins: in Search for New Functions. Biological Chemistry, 2001, 382, 179-86.	2.5	11
88	Electron microscopic analysis supports a dual role for the mitochondrial telomere-binding protein of Candida parapsilosis. Journal of Molecular Biology, 2001, 305, 61-69.	4.2	30
89	The respiratory complex I in yeast: Isolation of a geneNUO51 coding for the nucleotide-binding subunit of NADH: Ubiquinone oxidoreductase from the obligately aerobic yeastYarrowia lipolytica. Folia Microbiologica, 2000, 45, 429-433.	2.3	4
90	Extragenomic double-stranded DNA circles in yeast with linear mitochondrial genomes: potential involvement in telomere maintenance. Nucleic Acids Research, 2000, 28, 4479-4487.	14.5	64

#	Article	IF	Citations
91	Mitochondrial Telomere-binding Protein from Candida parapsilosis Suggests an Evolutionary Adaptation of a Nonspecific Single-stranded DNA-binding Protein. Journal of Biological Chemistry, 1999, 274, 8850-8857.	3.4	33
92	Linear DNA plasmid pPK2 ofPichia kluyveri: distinction between cytoplasmic and mitochondrial linear plasmids in yeasts. Yeast, 1999, 15, 781-791.	1.7	23
93	Isolation and expression of the gene encoding mitochondrial ADP/ATP carrier (AAC) from the pathogenic yeastCandida parapsilosis. Yeast, 1999, 15, 1237-1242.	1.7	12
94	Linear DNA plasmid pPK2 of Pichia kluyveri: distinction between cytoplasmic and mitochondrial linear plasmids in yeasts. Yeast, 1999, 15, 781-791.	1.7	1
95	Linear mitochondrial genomes: 30 years down the line. Trends in Genetics, 1998, 14, 184-188.	6.7	119
96	Development of a transformation system for the multinuclear yeastDipodascus (Endomyces) magnusii. , 1998, 14, 805-812.		6
97	Identification of a Putative Mitochondrial Telomere-binding Protein of the Yeast Candida parapsilosis. Journal of Biological Chemistry, 1997, 272, 3049-3056.	3.4	42
98	Several Polymers Enhance the Sensitivity of the Southwestern Assay. Analytical Biochemistry, 1995, 227, 387-389.	2.4	6
99	Linear mitochondrial DNAs from yeasts: telomeres with large tandem repetitions. Molecular Genetics and Genomics, 1995, 247, 61-72.	2.4	72
100	Electrophoretic karyotype of Dipodascus (Endomyces) magnusii: two main intraspecific chromosomal polymorphisms associated with the difference in total genome size. Current Genetics, 1995, 29, 81-87.	1.7	8
101	Yeast sequencing reports. Genes of the linear mitochondrial DNA ofWilliopsis mrakii: Coding sequences for a maturase-like protein, a ribosomal protein VAR1 homologue, cytochrome oxidase subunit 2 and methionyl tRNA. Yeast, 1994, 10, 391-398.	1.7	16
102	Mitochondrial transfer RNA genes of the yeast Candida parapsilosis. Gene, 1994, 142, 307-308.	2.2	4
103	NADH dehydrogenase subunit genes in the mitochondrial DNA of yeasts. Journal of Bacteriology, 1994, 176, 5622-5630.	2.2	71
104	Mitochondrial DNA of Endomyces (Dipodascus) magnusii. Current Genetics, 1993, 23, 549-552.	1.7	7
105	Isolation of a dsRNA virus from Dipodascus (Endomyces) magnusii. Current Genetics, 1993, 23, 219-222.	1.7	7