

CÃ©cile NeuvÃ©glise

List of Publications by Year in descending order

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84
papers

6,421
citations

108046

37
h-index

78623

77
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85
all docs

85
docs citations

85
times ranked

7000
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome evolution in yeasts. <i>Nature</i> , 2004, 430, 35-44.	13.7	1,498
2	Genomic Analysis of the Necrotrophic Fungal Pathogens <i>Sclerotinia sclerotiorum</i> and <i>Botrytis cinerea</i> . <i>PLoS Genetics</i> , 2011, 7, e1002230.	1.5	902
3	<i>Yarrowia lipolytica</i> : Safety assessment of an oleaginous yeast with a great industrial potential. <i>Critical Reviews in Microbiology</i> , 2014, 40, 187-206.	2.7	369
4	Analysis of the Genome and Transcriptome of <i>Cryptococcus neoformans</i> var. <i>grubii</i> Reveals Complex RNA Expression and Microevolution Leading to Virulence Attenuation. <i>PLoS Genetics</i> , 2014, 10, e1004261.	1.5	336
5	Comparative genomics of protoploid <i>Saccharomycetaceae</i> . <i>Genome Research</i> , 2009, 19, 1696-1709.	2.4	207
6	Genomic Exploration of the Hemiascomycetous Yeasts: 1. A set of yeast species for molecular evolution studies. <i>FEBS Letters</i> , 2000, 487, 3-12.	1.3	186
7	Comparative genomics of emerging pathogens in the <i>Candida glabrata</i> clade. <i>BMC Genomics</i> , 2013, 14, 623.	1.2	174
8	Molecular evolution of eukaryotic genomes: hemiascomycetous yeast spliceosomal introns. <i>Nucleic Acids Research</i> , 2003, 31, 1121-1135.	6.5	118
9	<i>Pichia sorbitophila</i> , an Interspecies Yeast Hybrid, Reveals Early Steps of Genome Resolution After Polyploidization. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 299-311.	0.8	113
10	Hexokinase: A limiting factor in lipid production from fructose in <i>Yarrowia lipolytica</i> . <i>Metabolic Engineering</i> , 2014, 26, 89-99.	3.6	113
11	Genomic Evolution of the Long Terminal Repeat Retrotransposons in Hemiascomycetous Yeasts. <i>Genome Research</i> , 2002, 12, 930-943.	2.4	96
12	Reconstruction of ancestral chromosome architecture and gene repertoire reveals principles of genome evolution in a model yeast genus. <i>Genome Research</i> , 2016, 26, 918-932.	2.4	95
13	Deciphering the Hybridisation History Leading to the Lager Lineage Based on the Mosaic Genomes of <i>Saccharomyces bayanus</i> Strains NBRC1948 and CBS380T. <i>PLoS ONE</i> , 2011, 6, e25821.	1.1	93
14	Genomic Exploration of the Hemiascomycetous Yeasts: 17. <i>Yarrowia lipolytica</i> . <i>FEBS Letters</i> , 2000, 487, 95-100.	1.3	88
15	Evolution of Gene Order in the Genomes of Two Related Yeast Species. <i>Genome Research</i> , 2001, 11, 2009-2019.	2.4	84
16	Genomic Exploration of the Hemiascomycetous Yeasts: 4. The genome of <i>Saccharomyces cerevisiae</i> revisited. <i>FEBS Letters</i> , 2000, 487, 31-36.	1.3	75
17	Genomic Exploration of the Hemiascomycetous Yeasts: 18. Comparative analysis of chromosome maps and synteny with <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2000, 487, 101-112.	1.3	71
18	The intronome of budding yeasts. <i>Comptes Rendus - Biologies</i> , 2011, 334, 662-670.	0.1	64

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19	Detection and analysis of alternative splicing in <i>Yarrowia lipolytica</i> reveal structural constraints facilitating nonsense-mediated decay of intron-retaining transcripts. <i>Genome Biology</i> , 2010, 11, R65.	13.9	63
20	Zinc Finger Transcription Factors Displaced SREBP Proteins as the Major Sterol Regulators during <i>Saccharomycotina</i> Evolution. <i>PLoS Genetics</i> , 2014, 10, e1004076.	1.5	63
21	Engineering polyhydroxyalkanoate content and monomer composition in the oleaginous yeast <i>Yarrowia lipolytica</i> by modifying the ÅY-oxidation multifunctional protein. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1327-1340.	1.7	58
22	The complete genome of <i>Blastobotrys (Arxula) adenivorans</i> LS3 - a yeast of biotechnological interest. <i>Biotechnology for Biofuels</i> , 2014, 7, 66.	6.2	57
23	Insertion of Horizontally Transferred Genes within Conserved Syntenic Regions of Yeast Genomes. <i>PLoS ONE</i> , 2009, 4, e6515.	1.1	57
24	Genomic Exploration of the Hemiascomycetous Yeasts: 14. <i>Debaryomyces hansenii</i> var. <i>hansenii</i> . <i>FEBS Letters</i> , 2000, 487, 82-86.	1.3	56
25	Differentiation of <i>Debaryomyces hansenii</i> and <i>Candida famata</i> by rRNA gene intergenic spacer fingerprinting and reassessment of phylogenetic relationships among <i>D. hansenii</i> , <i>C. famata</i> , <i>D. fabryi</i> , <i>C. flareri</i> (= <i>D. subglobosus</i>) and <i>D. prosopidis</i> : description of <i>D. vietnamensis</i> sp. nov. closely related to <i>D. nepalensis</i> . <i>FEMS Yeast Research</i> , 2009, 9, 641-662.	1.1	55
26	Roles of multiple acyl-CoA oxidases in the routing of carbon flow towards Î²-oxidation and polyhydroxyalkanoate biosynthesis in <i>Yarrowia lipolytica</i> . <i>FEMS Yeast Research</i> , 2010, 10, 917-927.	1.1	55
27	Genomic Exploration of the Hemiascomycetous Yeasts: 20. Evolution of gene redundancy compared to <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2000, 487, 122-133.	1.3	49
28	Alternative Splicing Regulates Targeting of Malate Dehydrogenase in <i>Yarrowia lipolytica</i> . <i>DNA Research</i> , 2012, 19, 231-244.	1.5	48
29	Genomic Exploration of the Hemiascomycetous Yeasts: 19. Ascomycetes-specific genes. <i>FEBS Letters</i> , 2000, 487, 113-121.	1.3	47
30	Comparative Mitochondrial Genomics within and among Yeast Species of the <i>Lachancea</i> Genus. <i>PLoS ONE</i> , 2012, 7, e47834.	1.1	45
31	Transposable elements in yeasts. <i>Comptes Rendus - Biologies</i> , 2011, 334, 679-686.	0.1	44
32	The Complex Evolutionary Dynamics of Hsp70s: A Genomic and Functional Perspective. <i>Genome Biology and Evolution</i> , 2013, 5, 2460-2477.	1.1	44
33	Awakening the endogenous Leloir pathway for efficient galactose utilization by <i>Yarrowia lipolytica</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 185.	6.2	44
34	Unusual composition of a yeast chromosome arm is associated with its delayed replication. <i>Genome Research</i> , 2009, 19, 1710-1721.	2.4	43
35	Mutator -Like Element in the Yeast <i>Yarrowia lipolytica</i> Displays Multiple Alternative Splicings. <i>Eukaryotic Cell</i> , 2005, 4, 615-624.	3.4	41
36	Comparative Physiology of Oleaginous Species from the <i>Yarrowia</i> Clade. <i>PLoS ONE</i> , 2013, 8, e63356.	1.1	41

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37	Genomic Exploration of the Hemiascomycetous Yeasts: 5. <i>Saccharomyces bayanus</i> var. <i>uvarum</i> . FEBS Letters, 2000, 487, 37-41.	1.3	40
38	Genome Sequence of the Food Spoilage Yeast <i>Zygosaccharomyces bailii</i> CLIB 213 T. Genome Announcements, 2013, 1, .	0.8	39
39	Genomic Exploration of the Hemiascomycetous Yeasts: 3. Methods and strategies used for sequence analysis and annotation. FEBS Letters, 2000, 487, 17-30.	1.3	37
40	Yli, a Non-LTR Retrotransposon L1 Family in the Dimorphic Yeast <i>Yarrowia lipolytica</i> . Molecular Biology and Evolution, 2002, 19, 664-677.	3.5	33
41	Comprehensive Analysis of a Yeast Lipase Family in the <i>Yarrowia</i> Clade. PLoS ONE, 2015, 10, e0143096.	1.1	33
42	Genome Sequence of the Yeast <i>Cyberlindnera fabianii</i> (<i>Hansenula fabianii</i>). Genome Announcements, 2014, 2, .	0.8	31
43	Sweet and sour potential of yeast from the <i>Yarrowia</i> clade. Biomass and Bioenergy, 2016, 92, 48-54.	2.9	31
44	Characterization of hexose transporters in <i>Yarrowia lipolytica</i> reveals new groups of Sugar Porters involved in yeast growth. Fungal Genetics and Biology, 2017, 100, 1-12.	0.9	31
45	Mitochondrial genomes of yeasts of the <i>Yarrowia</i> clade. FEMS Yeast Research, 2012, 12, 317-331.	1.1	28
46	l-Methionine Degradation Pathway in <i>Kluyveromyces lactis</i> : Identification and Functional Analysis of the Genes Encoding l-Methionine Aminotransferase. Applied and Environmental Microbiology, 2006, 72, 3330-3335.	1.4	27
47	EUF1 â€“ a newly identified gene involved in erythritol utilization in <i>Yarrowia lipolytica</i> . Scientific Reports, 2017, 7, 12507.	1.6	27
48	<i>Blastobotrys adenivorans</i> and <i>B. raffinosifermentans</i> , two sibling yeast species which accumulate lipids at elevated temperatures and from diverse sugars. Biotechnology for Biofuels, 2019, 12, 154.	6.2	27
49	Identification of telomerase RNAs in species of the <i>Yarrowia</i> clade provides insights into the co-evolution of telomerase, telomeric repeats and telomere-binding proteins. Scientific Reports, 2019, 9, 13365.	1.6	27
50	Trends in IT Innovation to Build a Next Generation Bioinformatics Solution to Manage and Analyse Biological Big Data Produced by NGS Technologies. BioMed Research International, 2015, 2015, 1-15.	0.9	26
51	Draft Genome Sequence of <i>Rhodospiridium toruloides</i> CECT1137, an Oleaginous Yeast of Biotechnological Interest. Genome Announcements, 2014, 2, .	0.8	24
52	Genomic Exploration of the Hemiascomycetous Yeasts: 21. Comparative functional classification of genes. FEBS Letters, 2000, 487, 134-149.	1.3	23
53	Dicistronic tRNAâ€“5S rRNA genes in <i>Yarrowia lipolytica</i> : an alternative TFIIIA-independent way for expression of 5S rRNA genes. Nucleic Acids Research, 2008, 36, 5832-5844.	6.5	23
54	<i>SOA</i> genes encode proteins controlling lipase expression in response to triacylglycerol utilization in the yeast <i>Yarrowia lipolytica</i> . FEMS Yeast Research, 2010, 10, 93-103.	1.1	23

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55	Investigation of Genetic Relationships Between <i>Hanseniaspora</i> Species Found in Grape Musts Revealed Interspecific Hybrids With Dynamic Genome Structures. <i>Frontiers in Microbiology</i> , 2019, 10, 2960.	1.5	23
56	Genome sequence of the type strain CLIB 1764 T (= CBS 14374 T) of the yeast species <i>Kazachstania saulgeensis</i> isolated from French organic sourdough. <i>Genomics Data</i> , 2017, 13, 41-43.	1.3	21
57	Evolutionary Dynamics of hAT DNA Transposon Families in <i>Saccharomycetaceae</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 172-190.	1.1	20
58	Multiple Parameters Drive the Efficiency of CRISPR/Cas9-Induced Gene Modifications in <i>Yarrowia lipolytica</i> . <i>Journal of Molecular Biology</i> , 2018, 430, 4293-4306.	2.0	19
59	Genomic Exploration of the Hemiascomycetous Yeasts: 9. <i>Saccharomyces kluyveri</i> . <i>FEBS Letters</i> , 2000, 487, 56-60.	1.3	18
60	Important genetic diversity revealed by inter-LTR PCR fingerprinting of <i>Kluyveromyces marxianus</i> and <i>Debaryomyces hansenii</i> strains from French traditional cheeses. <i>Dairy Science and Technology</i> , 2009, 89, 569-581.	2.2	18
61	Draft Genome Sequence of <i>Yarrowia lipolytica</i> Strain A-101 Isolated from Polluted Soil in Poland. <i>Genome Announcements</i> , 2016, 4, .	0.8	18
62	High Complexity and Degree of Genetic Variation in <i>Brettanomyces bruxellensis</i> Population. <i>Genome Biology and Evolution</i> , 2020, 12, 795-807.	1.1	18
63	Genomic Exploration of the Hemiascomycetous Yeasts: 6. <i>Saccharomyces exiguus</i> . <i>FEBS Letters</i> , 2000, 487, 42-46.	1.3	17
64	The evolution of Jen3 proteins and their role in dicarboxylic acid transport in <i>Yarrowia</i> . <i>MicrobiologyOpen</i> , 2015, 4, 100-120.	1.2	15
65	Genomic Exploration of the Hemiascomycetous Yeasts: 7. <i>Saccharomyces servazzii</i> . <i>FEBS Letters</i> , 2000, 487, 47-51.	1.3	13
66	Draft Genome Sequence of <i>Lachancea lanzarotensis</i> CBS 12615 ^T an Ascomycetous Yeast Isolated from Grapes. <i>Genome Announcements</i> , 2015, 3, .	0.8	12
67	Whole-Genome Sequencing and Intraspecific Analysis of the Yeast Species <i>Lachancea quebecensis</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 733-741.	1.1	12
68	<i>Yarrowia lipolytica</i> causes sporadic cases and local outbreaks of infections and colonisation. <i>Mycoses</i> , 2020, 63, 737-745.	1.8	12
69	Triplicate genes for mitochondrial ADP/ATP carriers in the aerobic yeast <i>Yarrowia lipolytica</i> are regulated differentially in the absence of oxygen. <i>Molecular Genetics and Genomics</i> , 2005, 273, 84-91.	1.0	8
70	Genome Sequence of the Oleaginous Yeast <i>Yarrowia lipolytica</i> H222. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	8
71	Transforming <i>Candida hispaniensis</i> , a promising oleaginous and flavogenic yeast. <i>Yeast</i> , 2020, 37, 348-355.	0.8	8
72	A 37-amino acid loop in the <i>Yarrowia lipolytica</i> hexokinase impacts its activity and affinity and modulates gene expression. <i>Scientific Reports</i> , 2021, 11, 6412.	1.6	7

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73	Truncation of Gal4p explains the inactivation of the GAL/MEL regulon in both <i>Saccharomyces bayanus</i> and some <i>Saccharomyces cerevisiae</i> wine strains. <i>FEMS Yeast Research</i> , 2016, 16, fow070.	1.1	6
74	Genome Sequence of <i>Torulaspora microellipsoides</i> CLIB 830 ^T . <i>Genome Announcements</i> , 2018, 6, .	0.8	5
75	Developing Methods to Circumvent the Conundrum of Chromosomal Rearrangements Occurring in Multiplex Gene Edition. <i>ACS Synthetic Biology</i> , 2020, 9, 2562-2575.	1.9	4
76	Comparative Genomics of <i>Yarrowia lipolytica</i> . <i>Microbiology Monographs</i> , 2013, , 1-30.	0.3	4
77	Exon junction complex components Y14 and Mago still play a role in budding yeast. <i>Scientific Reports</i> , 2019, 9, 849.	1.6	3
78	The native acyltransferase-coding genes DGA1 and DGA2 affect lipid accumulation in <i>Blastobotrys raffinosifermentans</i> differently when overexpressed. <i>FEMS Yeast Research</i> , 2020, 20, .	1.1	3
79	New Cytoplasmic Virus-Like Elements (VLEs) in the Yeast <i>Debaryomyces hansenii</i> . <i>Toxins</i> , 2021, 13, 615.	1.5	3
80	AndrÄ© Goffeau's imprinting on second generation yeast â€œgenomologistsâ€. <i>Yeast</i> , 2019, 36, 167-175.	0.8	1
81	Enhancing Structural Annotation of Yeast Genomes with RNA-Seq Data. <i>Methods in Molecular Biology</i> , 2016, 1361, 41-56.	0.4	1
82	Genes encoding DNA polymerases on linear dsDNA plasmids of <i>Debaryomyces hansenii</i> yeasts share very high homology. <i>New Biotechnology</i> , 2014, 31, S219.	2.4	0
83	Noncoding RNA Genes Transcribed by RNA Polymerase III in <i>Yarrowia lipolytica</i> . <i>Microbiology Monographs</i> , 2013, , 79-109.	0.3	0
84	Development of a Vector Set for High or Inducible Gene Expression and Protein Secretion in the Yeast Genus <i>Blastobotrys</i> . <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 418.	1.5	0