

François Bigey

List of Publications by Year in descending order

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36
papers

2,230
citations

331670

21
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
1	Eukaryote-to-eukaryote gene transfer events revealed by the genome sequence of the wine yeast <i>Saccharomyces cerevisiae</i> EC1118. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16333-16338.	7.1	438
2	Adaptation of <i>S. cerevisiae</i> to Fermented Food Environments Reveals Remarkable Genome Plasticity and the Footprints of Domestication. <i>Molecular Biology and Evolution</i> , 2018, 35, 1712-1727.	8.9	214
3	A Carotenoid Cleavage Dioxygenase from <i>Vitis vinifera</i> L.: functional characterization and expression during grape berry development in relation to C13-norisoprenoid accumulation. <i>Journal of Experimental Botany</i> , 2005, 56, 2721-2731.	4.8	205
4	Evolutionary Advantage Conferred by an Eukaryote-to-Eukaryote Gene Transfer Event in Wine Yeasts. <i>Molecular Biology and Evolution</i> , 2015, 32, 1695-1707.	8.9	165
5	Study of the amidase signature group. <i>BBA - Proteins and Proteomics</i> , 1996, 1298, 285-293.	2.1	121
6	Deciphering the Molecular Basis of Wine Yeast Fermentation Traits Using a Combined Genetic and Genomic Approach. <i>G3: Genes, Genomes, Genetics</i> , 2011, 1, 263-281.	1.8	103
7	A genetic approach of wine yeast fermentation capacity in nitrogen-starvation reveals the key role of nitrogen signaling. <i>BMC Genomics</i> , 2014, 15, 495.	2.8	99
8	Phenotypic Landscape of <i>Saccharomyces cerevisiae</i> during Wine Fermentation: Evidence for Origin-Dependent Metabolic Traits. <i>PLoS ONE</i> , 2011, 6, e25147.	2.5	93
9	High-level expression of <i>Candida parapsilosis</i> lipase/acyltransferase in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2004, 111, 41-50.	3.8	74
10	Acyl Transfer Activity of an Amidase from <i>Rhodococcus</i> sp. Strain R312: Formation of a Wide Range of Hydroxamic Acids. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2844-2852.	3.1	72
11	Amplification of a <i>Zygosaccharomyces bailii</i> DNA Segment in Wine Yeast Genomes by Extrachromosomal Circular DNA Formation. <i>PLoS ONE</i> , 2011, 6, e17872.	2.5	70
12	Genomic signatures of adaptation to wine biological ageing conditions in biofilm-forming flor yeasts. <i>Molecular Ecology</i> , 2017, 26, 2150-2166.	3.9	68
13	The lipase/acyltransferase from <i>Candida parapsilosis</i> . <i>FEBS Journal</i> , 2002, 269, 1734-1745.	0.2	67
14	Natural Yeast Promoter Variants Reveal Epistasis in the Generation of Transcriptional-Mediated Noise and Its Potential Benefit in Stressful Conditions. <i>Genome Biology and Evolution</i> , 2015, 7, 969-984.	2.5	49
15	Identification of a triacylglycerol lipase gene family in <i>Candida deformans</i> : molecular cloning and functional expression. <i>Yeast</i> , 2003, 20, 233-248.	1.7	45
16	Evidence for Two Main Domestication Trajectories in <i>Saccharomyces cerevisiae</i> Linked to Distinct Bread-Making Processes. <i>Current Biology</i> , 2021, 31, 722-732.e5.	3.9	43
17	Genome Sequence of the Food Spoilage Yeast <i>Zygosaccharomyces bailii</i> CLIB 213 T. <i>Genome Announcements</i> , 2013, 1, .	0.8	39
18	Intrastrain genomic and phenotypic variability of the commercial <i>Saccharomyces cerevisiae</i> strain Zymaflore VL1 reveals microevolutionary adaptation to vineyard environments. <i>FEMS Yeast Research</i> , 2015, 15, fov063.	2.3	32

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19	Biocatalyst improvement for the production of short-chain hydroxamic acids. <i>Enzyme and Microbial Technology</i> , 1997, 20, 424-431.	3.2	24
20	Production of a recombinant carotenoid cleavage dioxygenase from grape and enzyme assay in water-miscible organic solvents. <i>Biotechnology Letters</i> , 2007, 29, 837-841.	2.2	23
21	A novel lipase/acyltransferase from the yeast <i>Candida albicans</i> : expression and characterisation of the recombinant enzyme. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 203-212.	3.6	22
22	Overexpression and characterization of two human salivary proline rich proteins. <i>Protein Expression and Purification</i> , 2006, 47, 524-532.	1.3	22
23	Amide metabolism: a putative ABC transporter in <i>Rhodococcus</i> sp. R312. <i>Gene</i> , 1996, 182, 215-218.	2.2	18
24	Overexpression of ovine leptin in <i>Pichia pastoris</i> : physiological yeast response to leptin production and characterization of the recombinant hormone. <i>Yeast</i> , 2004, 21, 249-263.	1.7	18
25	Sizing of the <i>Rhodococcus</i> sp. R312 genome by pulsed-field gel electrophoresis. Localization of genes involved in nitrile degradation. <i>Antonie Van Leeuwenhoek</i> , 1995, 68, 173-179.	1.7	16
26	Transcriptional analysis of the nitrile-degrading operon from <i>Rhodococcus</i> sp. ACV2 and high level production of recombinant amidase with an <i>Escherichia coli</i> T7 expression system. <i>Journal of Applied Microbiology</i> , 1999, 86, 752-760.	3.1	16
27	Spectrophotometric assay of aliphatic monohydroxamic acids and 1 [±] -, 1 ² -, and 1 ³ -aminohydroxamic acids in aqueous medium. <i>Analytica Chimica Acta</i> , 1997, 353, 359-366.	5.4	15
28	The yeast mating-type switching endonuclease HO is a domesticated member of an unorthodox homing genetic element family. <i>ELife</i> , 2020, 9, .	6.0	15
29	Cloning of the wide spectrum amidase gene from <i>Brevibacterium</i> sp. R312 by genetic complementation. Overexpression in <i>Brevibacterium</i> sp. and <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1994, 122, 129-136.	1.8	10
30	Karyotype studies on different strains of <i>Candida molischiana</i> by pulsed-field gel electrophoresis. <i>Current Genetics</i> , 1995, 28, 150-154.	1.7	7
31	Relief from nitrogen starvation triggers transient destabilization of glycolytic mRNAs in <i>Saccharomyces cerevisiae</i> cells. <i>Molecular Biology of the Cell</i> , 2018, 29, 490-498.	2.1	7
32	<i>Brevibacterium linens</i> pBL33 and <i>Rhodococcus rhodochrous</i> pRC1 cryptic plasmids replicate in <i>Rhodococcus</i> sp. R312 (formerly <i>Brevibacterium</i> sp. R312). <i>Gene</i> , 1995, 154, 77-79.	2.2	6
33	Simple indicators of plasmid loss during fermentation of <i>Bacillus thuringiensis</i> . <i>Enzyme and Microbial Technology</i> , 2007, 40, 1052-1058.	3.2	6
34	Genome Sequence of <i>Torulaspota microellipsoides</i> CLIB 830 ^T . <i>Genome Announcements</i> , 2018, 6, .	0.8	5
35	Relief from nitrogen starvation entails quick unexpected down-regulation of glycolytic/lipid metabolism genes in enological <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2019, 14, e0215870.	2.5	1
36	<i>Vitis vinifera</i> carotenoid cleavage dioxygenase (VvCCD1): gene expression during grape berry development and cleavage of carotenoids by recombinant protein. <i>Developments in Food Science</i> , 2006, 43, 85-88.	0.0	0