

Kostyantyn Dmytruk

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

4,596
citations

18
h-index

61
g-index

61
ext. papers

5,279
ext. citations

4.4
avg, IF

4.17
L-index

#	Paper	IF	Citations
60	Co-Overexpression of RIB1 and RIB6 Increases Riboflavin Production in the Yeast <i>Candida famata</i> . <i>Fermentation</i> , 2022 , 8, 141	4.7	0
59	The impact of transcription factors Znf1, Sip4, Adr1, Tup1, and Hap4 on xylose alcoholic fermentation in the engineered yeast <i>Saccharomyces cerevisiae</i> . <i>Antonie Van Leeuwenhoek</i> , 2021 , 114, 1373-1385	2.1	1
58	Insertional tagging of the <i>Scheffersomyces stipitis</i> gene HEM25 involved in regulation of glucose and xylose alcoholic fermentation. <i>Cell Biology International</i> , 2021 , 45, 507-517	4.5	
57	Fructose-1,6-bisphosphatase degradation in the methylotrophic yeast <i>Komagataella phaffii</i> occurs in autophagy pathway. <i>Cell Biology International</i> , 2021 , 45, 528-535	4.5	0
56	Recent Advances in Construction of the Efficient Producers of Riboflavin and Flavin Nucleotides (FMN, FAD) in the Yeast <i>Candida famata</i> . <i>Methods in Molecular Biology</i> , 2021 , 2280, 15-30	1.4	0
55	Overexpression of Riboflavin Excretase Enhances Riboflavin Production in the Yeast <i>Candida famata</i> . <i>Methods in Molecular Biology</i> , 2021 , 2280, 31-42	1.4	1
54	Flavocytochrome b of the Methylotrophic Yeast <i>Ogataea polymorpha</i> : Construction of Overproducers, Purification, and Bioanalytical Application. <i>Methods in Molecular Biology</i> , 2021 , 2280, 249-260	1.4	
53	The Impact of Transcriptional Factors Znf1 and Sip4 on Xylose Alcoholic Fermentation in Recombinant Strains of Yeast <i>Saccharomyces Cerevisiae</i> . <i>Cytology and Genetics</i> , 2020 , 54, 386-392	0.7	2
52	Expression of yeast homolog of the mammal BCRP gene coding for riboflavin efflux protein activates vitamin B production in the flavinogenic yeast <i>Candida famata</i> . <i>Yeast</i> , 2020 , 37, 467-473	3.4	4
51	Role of the regulatory genes SEF1, VMA1 and SFU1 in riboflavin synthesis in the flavinogenic yeast <i>Candida famata</i> (<i>Candida flarerii</i>). <i>Yeast</i> , 2020 , 37, 497-504	3.4	6
50	100 Years Later, What Is New in Glycerol Bioproduction?. <i>Trends in Biotechnology</i> , 2020 , 38, 907-916	15.1	10
49	Modulation of the Purine Pathway for Riboflavin Production in Flavinogenic Recombinant Strain of the Yeast <i>Candida famata</i> . <i>Biotechnology Journal</i> , 2020 , 15, e1900468	5.6	7
48	Multinuclear Yeast <i>Magnusiomyces</i> (<i>Dipodascus</i> , <i>Endomyces</i>) <i>magnusii</i> is a Promising Isobutanol Producer. <i>Biotechnology Journal</i> , 2020 , 15, e1900490	5.6	5
47	The role of peroxisomes in xylose alcoholic fermentation in the engineered <i>Saccharomyces cerevisiae</i> . <i>Cell Biology International</i> , 2020 , 44, 1606-1615	4.5	4
46	Engineering of sugar transporters for improvement of xylose utilization during high-temperature alcoholic fermentation in <i>Ogataea polymorpha</i> yeast. <i>Microbial Cell Factories</i> , 2020 , 19, 96	6.4	7
45	Construction of advanced producers of first- and second-generation ethanol in <i>Saccharomyces cerevisiae</i> and selected species of non-conventional yeasts (<i>Scheffersomyces stipitis</i> , <i>Ogataea polymorpha</i>). <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020 , 47, 109-132	4.2	29
44	Development of new dominant selectable markers for the nonconventional yeasts <i>Ogataea polymorpha</i> and <i>Candida famata</i> . <i>Yeast</i> , 2020 , 37, 505-513	3.4	3

43	Overexpression of the genes of glycerol catabolism and glycerol facilitator improves glycerol conversion to ethanol in the methylotrophic thermotolerant yeast <i>Ogataea polymorpha</i> . <i>Yeast</i> , 2019 , 36, 329-339	3.4	6
42	Glutathione Metabolism in Yeasts and Construction of the Advanced Producers of This Tripeptide 2019 , 153-196		1
41	Autophagy-related gene ATG13 is involved in control of xylose alcoholic fermentation in the thermotolerant methylotrophic yeast <i>Ogataea polymorpha</i> . <i>FEMS Yeast Research</i> , 2018 , 18,	3.1	3
40	Gene of the transcriptional activator MET4 is involved in regulation of glutathione biosynthesis in the methylotrophic yeast <i>Ogataea</i> (<i>Hansenula</i>) <i>polymorpha</i> . <i>FEMS Yeast Research</i> , 2018 , 18,	3.1	10
39	Glucose regulation in the methylotrophic yeast <i>Hansenula</i> (<i>Ogataea</i>) <i>polymorpha</i> is mediated by a putative transceptor Gcr1. <i>International Journal of Biochemistry and Cell Biology</i> , 2018 , 103, 25-34	5.6	3
38	Peroxisomes and peroxisomal transketolase and transaldolase enzymes are essential for xylose alcoholic fermentation by the methylotrophic thermotolerant yeast,. <i>Biotechnology for Biofuels</i> , 2018 , 11, 197	7.8	13
37	Metabolic engineering for high glycerol production by the anaerobic cultures of <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 4403-4416	5.7	14
36	Development of the Thermotolerant Methylotrophic Yeast <i>Hansenula polymorpha</i> as Efficient Ethanol Producer 2017 , 257-282		2
35	Biotechnology of Glycerol Production and Conversion in Yeasts 2017 , 117-148		3
34	Transcriptional activator Cat8 is involved in regulation of xylose alcoholic fermentation in the thermotolerant yeast <i>Ogataea</i> (<i>Hansenula</i>) <i>polymorpha</i> . <i>Microbial Cell Factories</i> , 2017 , 16, 36	6.4	19
33	Genetic Improvement of Conventional and Nonconventional Yeasts for the Production of First- and Second-Generation Ethanol 2017 , 1-38		6
32	Molecular Studies of the Flavinogenic Fungus <i>Ashbya gossypii</i> and the Flavinogenic Yeast <i>Candida famata</i> 2017 , 281-296		1
31	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
30	New methods for positive selection of yeast ethanol overproducing mutants. <i>Bioethanol</i> , 2016 , 2,		8
29	Activation of futile cycles as an approach to increase ethanol yield during glucose fermentation in <i>Saccharomyces cerevisiae</i> . <i>Bioengineered</i> , 2016 , 7, 106-11	5.7	16
28	Development of a system for multicopy gene integration in <i>Saccharomyces cerevisiae</i> . <i>Journal of Microbiological Methods</i> , 2016 , 120, 44-9	2.8	6
27	New approaches for improving the production of the 1st and 2nd generation ethanol by yeast. <i>Acta Biochimica Polonica</i> , 2016 , 63, 31-38	2	8
26	Overexpression of the genes PDC1 and ADH1 activates glycerol conversion to ethanol in the thermotolerant yeast <i>Ogataea</i> (<i>Hansenula</i>) <i>polymorpha</i> . <i>Yeast</i> , 2016 , 33, 471-8	3.4	19

25	Overexpression of the truncated version of ILV2 enhances glycerol production in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2016 , 33, 463-9	3.4	8
24	Insertional Mutagenesis of the Flavinogenic Yeast <i>Candida famata</i> (<i>Candida flareri</i>). <i>Fungal Biology</i> , 2015 , 93-97	2.3	
23	Metabolic engineering and classical selection of the methylotrophic thermotolerant yeast <i>Hansenula polymorpha</i> for improvement of high-temperature xylose alcoholic fermentation. <i>Microbial Cell Factories</i> , 2014 , 13, 122	6.4	35
22	Increased ethanol accumulation from glucose via reduction of ATP level in a recombinant strain of <i>Saccharomyces cerevisiae</i> overexpressing alkaline phosphatase. <i>BMC Biotechnology</i> , 2014 , 14, 42	3.5	19
21	Construction and fed-batch cultivation of <i>Candida famata</i> with enhanced riboflavin production. <i>Journal of Biotechnology</i> , 2014 , 172, 11-7	3.7	36
20	d-lactate-selective amperometric biosensor based on the cell debris of the recombinant yeast <i>Hansenula polymorpha</i> . <i>Talanta</i> , 2014 , 125, 227-32	6.2	17
19	Metabolic engineering of the yeast <i>Hansenula polymorpha</i> for the construction of efficient ethanol producers. <i>Cytology and Genetics</i> , 2013 , 47, 329-342	0.7	6
18	A bird's-eye view of autophagy. <i>Autophagy</i> , 2013 , 9, 1121-6	10.2	12
17	<i>Candida famata</i> (<i>Candida flareri</i>). <i>Yeast</i> , 2012 , 29, 453-8	3.4	21
16	Amperometric Biosensors for Lactate, Alcohols, and Glycerol Assays in Clinical Diagnostics 2011 ,		2
15	Chromate-reducing activity of <i>Hansenula polymorpha</i> recombinant cells over-producing flavocytochrome b ₂ . <i>Chemosphere</i> , 2011 , 83, 449-54	8.4	10
14	Construction of uricase-overproducing strains of <i>Hansenula polymorpha</i> and its application as biological recognition element in microbial urate biosensor. <i>BMC Biotechnology</i> , 2011 , 11, 58	3.5	6
13	Metabolic engineering and classic selection of the yeast <i>Candida famata</i> (<i>Candida flareri</i>) for construction of strains with enhanced riboflavin production. <i>Metabolic Engineering</i> , 2011 , 13, 82-8	9.7	53
12	Bioelectrochemical detection of L-lactate respiration using genetically modified <i>Hansenula polymorpha</i> yeast cells overexpressing flavocytochrome b ₂ . <i>Bioelectrochemistry</i> , 2009 , 76, 175-9	5.6	18
11	Engineering of xylose reductase and overexpression of xylitol dehydrogenase and xylulokinase improves xylose alcoholic fermentation in the thermotolerant yeast <i>Hansenula polymorpha</i> . <i>Microbial Cell Factories</i> , 2008 , 7, 21	6.4	41
10	Development of a promoter assay system for the flavinogenic yeast <i>Candida famata</i> based on the <i>Kluyveromyces lactis</i> β -galactosidase LAC4 reporter gene. <i>Enzyme and Microbial Technology</i> , 2008 , 42, 208-215	3.8	14
9	Overexpression of bacterial xylose isomerase and yeast host xylulokinase improves xylose alcoholic fermentation in the thermotolerant yeast <i>Hansenula polymorpha</i> . <i>FEMS Yeast Research</i> , 2008 , 8, 165-73	3.1	34
8	Permeabilized cells of flavocytochrome b ₂ over-producing recombinant yeast <i>Hansenula polymorpha</i> as biological recognition element in amperometric lactate biosensors. <i>Biosensors and Bioelectronics</i> , 2007 , 23, 599-605	11.8	35

7	Isolation and characterization of mutated alcohol oxidases from the yeast <i>Hansenula polymorpha</i> with decreased affinity toward substrates and their use as selective elements of an amperometric biosensor. <i>BMC Biotechnology</i> , 2007 , 7, 33	3.5	21
6	Molecular mechanisms of insertional mutagenesis in yeasts and mycelium fungi. <i>Russian Journal of Genetics</i> , 2007 , 43, 835-845	0.6	1
5	Insertion mutagenesis of the yeast <i>Candida famata</i> (<i>Debaryomyces hansenii</i>) by random integration of linear DNA fragments. <i>Current Genetics</i> , 2006 , 50, 183-91	2.9	50
4	Expression of <i>xylA</i> genes encoding xylose isomerases from <i>Escherichia coli</i> and <i>Streptomyces coelicolor</i> in the methylotrophic yeast <i>Hansenula polymorpha</i> . <i>FEMS Yeast Research</i> , 2005 , 5, 1055-62	3.1	25
3	<i>Candida famata</i> (<i>Debaryomyces hansenii</i>) DNA sequences containing genes involved in riboflavin synthesis. <i>Yeast</i> , 2004 , 21, 1307-16	3.4	25
2	Development of a transformation system for the flavinogenic yeast <i>Candida famata</i> . <i>FEMS Yeast Research</i> , 2002 , 2, 381-388	3.1	35
1	Development of a transformation system for the flavinogenic yeast <i>Candida famata</i> . <i>FEMS Yeast Research</i> , 2002 , 2, 381-8	3.1	17