Levente Karaffa

List of Publications by Year
in descending order

56 papers	2,001 citations	331670 21 h-index	254184 43 g-index
56 all docs	56 docs citations	56 times ranked	2030 citing authors

#	Article	IF	Citations
1	Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus Aspergillus. Genome Biology, 2017, 18, 28.	8.8	417
2	Aspergillus niger citric acid accumulation: do we understand this well working black box?. Applied Microbiology and Biotechnology, 2003, 61, 189-196.	3.6	218
3	The CRE1 carbon catabolite repressor of the fungus Trichoderma reesei: a master regulator of carbon assimilation. BMC Genomics, 2011, 12, 269.	2.8	180
4	The VELVET A Orthologue VEL1 of Trichoderma reesei Regulates Fungal Development and Is Essential for Cellulase Gene Expression. PLoS ONE, 2014, 9, e112799.	2.5	109
5	Biodiversity and evolution of primary carbon metabolism in Aspergillus nidulans and other Aspergillus spp.. Fungal Genetics and Biology, 2009, 46, S19-S44.	2.1	93
6	The galactokinase of Hypocrea jecorina is essential for cellulase induction by lactose but dispensable for growth on d-galactose. Molecular Microbiology, 2004, 51, 1015-1025.	2.5	70
7	A deficiency of manganese ions in the presence of high sugar concentrations is the critical parameter for achieving high yields of itaconic acid by Aspergillus terreus. Applied Microbiology and Biotechnology, 2015, 99, 7937-7944.	3.6	68
8	d-Galactose induces cellulase gene expression in Hypocrea jecorina at low growth rates. Microbiology (United Kingdom), 2006, 152, 1507-1514.	1.8	61
9	The alternative d-galactose degrading pathway of Aspergillus nidulans proceeds via l-sorbose. Archives of Microbiology, 2004, 181, 35-44.	2.2	54
10	Citric acid and itaconic acid accumulation: variations of the same story?. Applied Microbiology and Biotechnology, 2019, 103, 2889-2902.	3.6	50
11	The fungal STRE-element-binding protein Seb1 is involved but not essential for glycerol dehydrogenase (gld1) gene expression and glycerol accumulation in Trichoderma atroviride during osmotic stress. Fungal Genetics and Biology, 2004, 41, 1132-1140.	2.1	44
12	The biochemistry of citric acidÂ of accumulation byAspergillus niger(A review). Acta Microbiologica Et Immunologica Hungarica, 2001, 48, 429-440.	0.8	36
13	Sexual Recombination in the <i>Botrytis cinerea</i> Populations in Hungarian Vineyards. Phytopathology, 2008, 98, 1312-1319.	2.2	36
14	Identification of a permease gene involved in lactose utilisation in Aspergillus nidulans. Fungal Genetics and Biology, 2012, 49, 415-425.	2.1	36
15	Lack of aldose 1-epimerase in Hypocrea jecorina (anamorph Trichoderma reesei): A key to cellulase gene expression on lactose. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7141-7146.	7.1	35
16	CreA-mediated carbon catabolite repression of $beta;-galactosidase formation in Aspergillus nidulans is growth rate dependent. FEMS Microbiology Letters, 2004, 235, 147-151.	1.8	32
17	Regulation of formation of the intracellular Î²-gaiactosidase activity ofAspergillus nidulans. Archives of Microbiology, 2002, 179, 7-14.	2.2	31
18	The Hypocrea jecorina gal10 (uridine 5â€²-diphosphate-glucose 4-epimerase-encoding) gene differs from yeast homologues in structure, genomic organization and expression. Gene, 2002, 295, 143-149.	2.2	27

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19	Comparison of Botrytis cinerea populations isolated from two open-field cultivated host plants. Microbiological Research, 2013, 168, 379-388.	5.3	27
20	Effect of oxygen on the respiratory system and cephalosporin-C production in Acremonium chrysogenum. Journal of Biotechnology, 1996, 48, 59-66.	3.8	26
21	Methionine enhances sugar consumption, fragmentation, vacuolation and cephalosporin-C production in Acremonium chrysogenum. Process Biochemistry, 1997, 32, 495-499.	3.7	23
22	Characterization of a second physiologically relevant lactose permease gene (lacpB) in Aspergillus nidulans. Microbiology (United Kingdom), 2016, 162, 837-847.	1.8	23
23	CreA-mediated carbon catabolite repression of ÃŽÂ²-galactosidase formation inAspergillus nidulansis growth rate dependent. FEMS Microbiology Letters, 2004, 235, 147-151.	1.8	21
24	The transcriptome of lae1 mutants of Trichoderma reesei cultivated at constant growth rates reveals new targets of LAE1 function. BMC Genomics, 2014, 15, 447.	2.8	21
25	High oxygen tension increases itaconic acid accumulation, glucose consumption, and the expression and activity of alternative oxidase in Aspergillus terreus. Applied Microbiology and Biotechnology, 2018, 102, 8799-8808.	3.6	18
26	The Role of Metal Ions in Fungal Organic Acid Accumulation. Microorganisms, 2021, 9, 1267.	3.6	17
27	Cyanide-resistant alternative respiration is strictly correlated to intracellular peroxide levels inAcremonium Chrysogenum. Free Radical Research, 2001, 34, 405-416.	3.3	16
28	Spliceosome twin introns in fungal nuclear transcripts. Fungal Genetics and Biology, 2013, 57, 48-57.	2.1	16
29	Growth-Phase Sterigmatocystin Formation on Lactose Is Mediated via Low Specific Growth Rates in Aspergillus nidulans. Toxins, 2016, 8, 354.	3.4	15
30	The intracellular galactoglycome in Trichoderma reesei during growth on lactose. Applied Microbiology and Biotechnology, 2013, 97, 5447-5456.	3.6	13
31	A mechanism for a single nucleotide intron shift. Nucleic Acids Research, 2017, 45, 9085-9092.	14.5	12
32	Analysis of the Relationship between Alternative Respiration and Sterigmatocystin Formation in Aspergillus nidulans. Toxins, 2018, 10, 168.	3.4	12
33	Manganese Deficiency Is Required for High Itaconic Acid Production From D-Xylose in Aspergillus terreus. Frontiers in Microbiology, 2019, 10, 1589.	3.5	11
34	The effects of external Mn2+ concentration on hyphal morphology and citric acid production are mediated primarily by the NRAMP-family transporter DmtA in Aspergillus niger. Microbial Cell Factories, 2020, 19, 17.	4.0	11
35	Extra- and intracellular lactose catabolism in Penicillium chrysogenum: phylogenetic and expression analysis of the putative permease and hydrolase genes. Journal of Antibiotics, 2014, 67, 489-497.	2.0	9
36	Type Strains of Entomopathogenic Nematode-Symbiotic Bacterium Species, Xenorhabdus szentirmaii (EMC) and X. budapestensis (EMA), Are Exceptional Sources of Non-Ribosomal Templated, Large-Target-Spectral, Thermotolerant-Antimicrobial Peptides (by Both), and Iodinin (by EMC). Pathogens, 2022, 11, 342.	2.8	9

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37	The Biocontrol Potential of Endophytic Trichoderma Fungi Isolated from Hungarian Grapevines. Part I. Isolation, Identification and In Vitro Studies. Pathogens, 2021, 10, 1612.	2.8	9
38	Lactose and D-galactose catabolism in the filamentous fungus<i>Aspergillus nidulans</i>. Acta Microbiologica Et Immunologica Hungarica, 2008, 55, 119-124.	0.8	8
39	Identification of a mutarotase gene involved in D-galactose utilization in Aspergillus nidulans. FEMS Microbiology Letters, 2017, 364, .	1.8	8
40	Specific cephalosporin C production of Acremonium chrysogenum is independent of the culture density. Biotechnology Letters, 1999, 13, 443-445.	0.5	7
41	Metabolism of<scp>d</scp>-galactose is dispensable for the induction of the<i>beta</i>-galactosidase (<i>bgaD</i>) and lactose permease (<i>lacpA</i>) genes in<i>Aspergillus nidulans</i>. FEMS Microbiology Letters, 2014, 359, 19-25.	1.8	7
42	Carbon-Source Dependent Interplay of Copper and Manganese Ions Modulates the Morphology and Itaconic Acid Production in Aspergillus terreus. Frontiers in Microbiology, 2021, 12, 680420.	3.5	7
43	Assessment of the metabolic activity of Acremonium chrysogenum using Acridine Orange. Biotechnology Letters, 2000, 22, 693-697.	2.2	6
44	Alternatively spliced, spliceosomal twin introns in Helminthosporium solani. Fungal Genetics and Biology, 2015, 85, 7-13.	2.1	6
45	Emergence and loss of spliceosomal twin introns. Fungal Biology and Biotechnology, 2017, 4, 7.	5.1	6
46	l-Arabinose induces d-galactose catabolism via the Leloir pathway in Aspergillus nidulans. Fungal Genetics and Biology, 2019, 123, 53-59.	2.1	6
47	Production of Organic Acids by Fungi. , 2021, , 406-419.		6
48	High cell density cultivation of the chemolithoautotrophic bacterium Nitrosomonas europaea. Folia Microbiologica, 2016, 61, 191-198.	2.3	5
49	A spliceosomal twin intron (stwintron) participates in both exon skipping and evolutionary exon loss. Scientific Reports, 2019, 9, 9940.	3.3	4
50	Analysis of the relationship between growth, cephalosporin C production, and fragmentation in <i>Acremonium chrysogenum</i>. Canadian Journal of Microbiology, 2001, 47, 801-806.	1.7	4
51	GalR, GalX and AraR coâ€regulate <scp>d</scp>â€galactose and <scp>l</scp>â€arabinose utilization in <i>Aspergillus nidulans</i>. Microbial Biotechnology, 2022, 15, 1839-1851.	4.2	4
52	Stimulation of the cyanide-resistant alternative respiratory pathway by oxygen in Acremonium chrysogenum correlates with the size of the intracellular peroxide pool. Canadian Journal of Microbiology, 2003, 49, 216-220.	1.7	3
53	Complex intron generation in the yeast genus Lipomyces. Scientific Reports, 2020, 10, 6022.	3.3	3
54	Internally Symmetrical Stwintrons and Related Canonical Introns in Hypoxylaceae Species. Journal of Fungi (Basel, Switzerland), 2021, 7, 710.	3.5	3

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55	D-galactose catabolism inPenicillium chrysogenum: Expression analysis of the structural genes of the Leloir pathway. Acta Biologica Hungarica, 2016, 67, 318-332.	0.7	2
56	Unique and Repeated Stwintrons (Spliceosomal Twin Introns) in the Hypoxylaceae. Journal of Fungi (Basel, Switzerland), 2022, 8, 397.	3.5	0