

# Levente Karaffa

## List of Publications by Year in descending order

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56  
papers

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331259

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253896

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all docs

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docs citations

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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 <i>Aspergillus</i> . <i>Genome Biology</i> , 2017, 18, 28.	3.8	417
2	<i>Aspergillus niger</i> citric acid accumulation: do we understand this well working black box?. <i>Applied Microbiology and Biotechnology</i> , 2003, 61, 189-196.	1.7	218
3	The CRE1 carbon catabolite repressor of the fungus <i>Trichoderma reesei</i> : a master regulator of carbon assimilation. <i>BMC Genomics</i> , 2011, 12, 269.	1.2	180
4	The VELVET A Orthologue VEL1 of <i>Trichoderma reesei</i> Regulates Fungal Development and Is Essential for Cellulase Gene Expression. <i>PLoS ONE</i> , 2014, 9, e112799.	1.1	109
5	Biodiversity and evolution of primary carbon metabolism in <i>Aspergillus nidulans</i> and other <i>Aspergillus</i> spp.. <i>Fungal Genetics and Biology</i> , 2009, 46, S19-S44.	0.9	93
6	The galactokinase of <i>Hypocrea jecorina</i> is essential for cellulase induction by lactose but dispensable for growth on d-galactose. <i>Molecular Microbiology</i> , 2004, 51, 1015-1025.	1.2	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 <i>Aspergillus terreus</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7937-7944.	1.7	68
8	d-Galactose induces cellulase gene expression in <i>Hypocrea jecorina</i> at low growth rates. <i>Microbiology (United Kingdom)</i> , 2006, 152, 1507-1514.	0.7	61
9	The alternative d-galactose degrading pathway of <i>Aspergillus nidulans</i> proceeds via l-sorbose. <i>Archives of Microbiology</i> , 2004, 181, 35-44.	1.0	54
10	Citric acid and itaconic acid accumulation: variations of the same story?. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 2889-2902.	1.7	50
11	The fungal STRE-element-binding protein Seb1 is involved but not essential for glycerol dehydrogenase ( <i>gld1</i> ) gene expression and glycerol accumulation in <i>Trichoderma atroviride</i> during osmotic stress. <i>Fungal Genetics and Biology</i> , 2004, 41, 1132-1140.	0.9	44
12	The biochemistry of citric acid accumulation by <i>Aspergillus niger</i> (A review). <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2001, 48, 429-440.	0.4	36
13	Sexual Recombination in the <i>Botrytis cinerea</i> Populations in Hungarian Vineyards. <i>Phytopathology</i> , 2008, 98, 1312-1319.	1.1	36
14	Identification of a permease gene involved in lactose utilisation in <i>Aspergillus nidulans</i> . <i>Fungal Genetics and Biology</i> , 2012, 49, 415-425.	0.9	36
15	Lack of aldose 1-epimerase in <i>Hypocrea jecorina</i> (anamorph <i>Trichoderma reesei</i> ): A key to cellulase gene expression on lactose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7141-7146.	3.3	35
16	CreA-mediated carbon catabolite repression of $\beta$ -galactosidase formation in <i>Aspergillus nidulans</i> is growth rate dependent. <i>FEMS Microbiology Letters</i> , 2004, 235, 147-151.	0.7	32
17	Regulation of formation of the intracellular $\beta$ -galactosidase activity of <i>Aspergillus nidulans</i> . <i>Archives of Microbiology</i> , 2002, 179, 7-14.	1.0	31
18	The <i>Hypocrea jecorina gal10</i> (uridine 5'-diphosphate-glucose 4-epimerase-encoding) gene differs from yeast homologues in structure, genomic organization and expression. <i>Gene</i> , 2002, 295, 143-149.	1.0	27

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19	Comparison of <i>Botrytis cinerea</i> populations isolated from two open-field cultivated host plants. <i>Microbiological Research</i> , 2013, 168, 379-388.	2.5	27
20	Effect of oxygen on the respiratory system and cephalosporin-C production in <i>Acremonium chrysogenum</i> . <i>Journal of Biotechnology</i> , 1996, 48, 59-66.	1.9	26
21	Methionine enhances sugar consumption, fragmentation, vacuolation and cephalosporin-C production in <i>Acremonium chrysogenum</i> . <i>Process Biochemistry</i> , 1997, 32, 495-499.	1.8	23
22	Characterization of a second physiologically relevant lactose permease gene ( <i>lacpB</i> ) in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , 2016, 162, 837-847.	0.7	23
23	CreA-mediated carbon catabolite repression of $\alpha$ -galactosidase formation in <i>Aspergillus nidulans</i> growth rate dependent. <i>FEMS Microbiology Letters</i> , 2004, 235, 147-151.	0.7	21
24	The transcriptome of <i>lae1</i> mutants of <i>Trichoderma reesei</i> cultivated at constant growth rates reveals new targets of LAE1 function. <i>BMC Genomics</i> , 2014, 15, 447.	1.2	21
25	High oxygen tension increases itaconic acid accumulation, glucose consumption, and the expression and activity of alternative oxidase in <i>Aspergillus terreus</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8799-8808.	1.7	18
26	The Role of Metal Ions in Fungal Organic Acid Accumulation. <i>Microorganisms</i> , 2021, 9, 1267.	1.6	17
27	Cyanide-resistant alternative respiration is strictly correlated to intracellular peroxide levels in <i>Acremonium Chrysogenum</i> . <i>Free Radical Research</i> , 2001, 34, 405-416.	1.5	16
28	Spliceosome twin introns in fungal nuclear transcripts. <i>Fungal Genetics and Biology</i> , 2013, 57, 48-57.	0.9	16
29	Growth-Phase Sterigmatocystin Formation on Lactose Is Mediated via Low Specific Growth Rates in <i>Aspergillus nidulans</i> . <i>Toxins</i> , 2016, 8, 354.	1.5	15
30	The intracellular galactoglycome in <i>Trichoderma reesei</i> during growth on lactose. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5447-5456.	1.7	13
31	A mechanism for a single nucleotide intron shift. <i>Nucleic Acids Research</i> , 2017, 45, 9085-9092.	6.5	12
32	Analysis of the Relationship between Alternative Respiration and Sterigmatocystin Formation in <i>Aspergillus nidulans</i> . <i>Toxins</i> , 2018, 10, 168.	1.5	12
33	Manganese Deficiency Is Required for High Itaconic Acid Production From D-Xylose in <i>Aspergillus terreus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1589.	1.5	11
34	The effects of external Mn <sup>2+</sup> concentration on hyphal morphology and citric acid production are mediated primarily by the NRAMP-family transporter <i>DmtA</i> in <i>Aspergillus niger</i> . <i>Microbial Cell Factories</i> , 2020, 19, 17.	1.9	11
35	Extra- and intracellular lactose catabolism in <i>Penicillium chrysogenum</i> : phylogenetic and expression analysis of the putative permease and hydrolase genes. <i>Journal of Antibiotics</i> , 2014, 67, 489-497.	1.0	9
36	Type Strains of Entomopathogenic Nematode-Symbiotic Bacterium Species, <i>Xenorhabdus szentirmaii</i> (EMC) and <i>X. budapestensis</i> (EMA), Are Exceptional Sources of Non-Ribosomal Templated, Large-Target-Spectral, Thermotolerant-Antimicrobial Peptides (by Both), and Iodinin (by EMC). <i>Pathogens</i> , 2022, 11, 342.	1.2	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.	1.2	9
38	Lactose and D-galactose catabolism in the filamentous fungus <i>Aspergillus nidulans</i> . Acta Microbiologica Et Immunologica Hungarica, 2008, 55, 119-124.	0.4	8
39	Identification of a mutarotase gene involved in D-galactose utilization in <i>Aspergillus nidulans</i> . FEMS Microbiology Letters, 2017, 364, .	0.7	8
40	Specific cephalosporin C production of <i>Acremonium chrysogenum</i> is independent of the culture density. Biotechnology Letters, 1999, 13, 443-445.	0.5	7
41	Metabolism of <i>d</i> -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.	0.7	7
42	Carbon-Source Dependent Interplay of Copper and Manganese Ions Modulates the Morphology and Itaconic Acid Production in <i>Aspergillus terreus</i> . Frontiers in Microbiology, 2021, 12, 680420.	1.5	7
43	Assessment of the metabolic activity of <i>Acremonium chrysogenum</i> using Acridine Orange. Biotechnology Letters, 2000, 22, 693-697.	1.1	6
44	Alternatively spliced, spliceosomal twin introns in <i>Helminthosporium solani</i> . Fungal Genetics and Biology, 2015, 85, 7-13.	0.9	6
45	Emergence and loss of spliceosomal twin introns. Fungal Biology and Biotechnology, 2017, 4, 7.	2.5	6
46	<i>l</i> -Arabinose induces <i>d</i> -galactose catabolism via the Leloir pathway in <i>Aspergillus nidulans</i> . Fungal Genetics and Biology, 2019, 123, 53-59.	0.9	6
47	Production of Organic Acids by Fungi. , 2021, , 406-419.		6
48	High cell density cultivation of the chemolithoautotrophic bacterium <i>Nitrosomonas europaea</i> . Folia Microbiologica, 2016, 61, 191-198.	1.1	5
49	A spliceosomal twin intron (stwintron) participates in both exon skipping and evolutionary exon loss. Scientific Reports, 2019, 9, 9940.	1.6	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.	0.8	4
51	<i>GalR</i> , <i>GalX</i> and <i>AraR</i> co-regulate <i>d</i> -galactose and <i>l</i> -arabinose utilization in <i>Aspergillus nidulans</i> . Microbial Biotechnology, 2022, 15, 1839-1851.	2.0	4
52	Stimulation of the cyanide-resistant alternative respiratory pathway by oxygen in <i>Acremonium chrysogenum</i> correlates with the size of the intracellular peroxide pool. Canadian Journal of Microbiology, 2003, 49, 216-220.	0.8	3
53	Complex intron generation in the yeast genus <i>Lipomyces</i> . Scientific Reports, 2020, 10, 6022.	1.6	3
54	Internally Symmetrical Stwintrons and Related Canonical Introns in Hypoxylaceae Species. Journal of Fungi (Basel, Switzerland), 2021, 7, 710.	1.5	3

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55	D-galactose catabolism in <i>Penicillium chrysogenum</i> : Expression analysis of the structural genes of the Leloir pathway. <i>Acta Biologica Hungarica</i> , 2016, 67, 318-332.	0.7	2
56	Unique and Repeated Stwintrons (Spliceosomal Twin Introns) in the Hypoxylaceae. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 397.	1.5	0