Markkku Saloheimo

List of Publications by Year
in descending order

52	5,954	94433	168389
papers	citations	37 h-index	53 g-index

53	53	53	4751
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a low-cost cellulase production process using Trichoderma reesei for Brazilian biorefineries. Biotechnology for Biofuels, 2017, 10, 30.	6.2	167
2	Quantitative Site-Specific Phosphoproteomics of Trichoderma reesei Signaling Pathways upon Induction of Hydrolytic Enzyme Production. Journal of Proteome Research, 2016, 15, 457-467.	3.7	40
3	The effects of extracellular pH and of the transcriptional regulator PACI on the transcriptome of Trichoderma reesei. Microbial Cell Factories, 2015, 14, 63.	4.0	42
4	Swollenin from Trichoderma reesei exhibits hydrolytic activity against cellulosic substrates with features of both endoglucanases and cellobiohydrolases. Bioresource Technology, 2015, 181, 105-113.	9.6	73
5	Enabling Low Cost Biopharmaceuticals: A Systematic Approach to Delete Proteases from a Well-Known Protein Production Host Trichoderma reesei. PLoS ONE, 2015, 10, e0134723.	2.5	55
6	Comparison of intracellular and secretion-based strategies for production of human Î±-galactosidase A in the filamentous fungus Trichoderma reesei. BMC Biotechnology, 2014, 14, 91.	3.3	11
7	Screening of candidate regulators for cellulase and hemicellulase production in Trichoderma reesei and identification of a factor essential for cellulase production. Biotechnology for Biofuels, 2014, 7, 14.	6.2	215
8	Swollenin aids in the amorphogenesis step during the enzymatic hydrolysis of pretreated biomass. Bioresource Technology, 2013, 142, 498-503.	9.6	115
9	Unconventional microbial systems for the cost-efficient production of high-quality protein therapeutics. Biotechnology Advances, 2013, 31, 140-153.	11.7	116
10	Re-annotation of the CAZy genes of Trichoderma reesei and transcription in the presence of lignocellulosic substrates. Microbial Cell Factories, 2012, 11, 134.	4.0	173
11	The cargo and the transport system: secreted proteins and protein secretion in Trichoderma reesei (Hypocrea jecorina). Microbiology (United Kingdom), 2012, 158, 46-57.	1.8	115
12	The effects of disruption of phosphoglucose isomerase gene on carbon utilisation and cellulase production in Trichoderma reesei Rut-C30. Microbial Cell Factories, 2011, 10, 40.	4.0	14
13	Correlation of gene expression and protein production rate - a system wide study. BMC Genomics, 2011, 12, 616.	2.8	67
14	Array comparative genomic hybridization analysis of Trichoderma reesei strains with enhanced cellulase production properties. BMC Genomics, 2010, 11, 441.	2.8	77
15	Exploring laccase-like multicopper oxidase genes from the ascomycete Trichoderma reesei: a functional, phylogenetic and evolutionary study. BMC Biochemistry, 2010, 11, 32.	4.4	60
16	Detecting novel genes with sparse arrays. Gene, 2010, 467, 41-51.	2.2	12
17	Genetic Modification of Carbon Catabolite Repression in Trichoderma reesei for Improved Protein Production. Applied and Environmental Microbiology, 2009, 75, 4853-4860.	3.1	173
18	13C-metabolic flux ratio and novel carbon path analyses confirmed that Trichoderma reesei uses primarily the respirative pathway also on the preferred carbon source glucose. BMC Systems Biology, 2009, 3, 104.	3.0	20

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19	Essential role of the Câ€terminus in Melanocarpusâ€ƒalbomyces laccase for enzyme production, catalytic properties and structure. FEBS Journal, 2009, 276, 6285-6300.	4.7	73
20	Genome sequencing and analysis of the biomass-degrading fungus Trichoderma reesei (syn. Hypocrea) Tj ETQq0 0 0 rgBT /Overlock 10 T	17.5	1,116
21	Protein folding and conformational stress in microbial cells producing recombinant proteins: a host comparative overview. Microbial Cell Factories, 2008, 7, 11.	4.0	269
22	Spatially Segregated SNARE Protein Interactions in Living Fungal Cells. Journal of Biological Chemistry, 2007, 282, 22775-22785.	3.4	60
23	Expression of the Trichoderma reesei tyrosinase 2 in Pichia pastoris: Isotopic labeling and physicochemical characterization. Protein Expression and Purification, 2007, 55, 147-158.	1.3	20
24	Physiological evaluation of the filamentous fungus Trichoderma reesei in production processes by marker gene expression analysis. BMC Biotechnology, 2007, 7, 28.	3.3	11
25	Monitoring of transcriptional regulation in Pichia pastoris under protein production conditions. BMC Genomics, 2007, 8, 179.	2.8	105
26	Rapid and multiplexed transcript analysis of microbial cultures using capillary electophoresis-detectable oligonucleotide probe pools. Journal of Microbiological Methods, 2006, 65, 404-416.	1.6	35
27	Production of a chimeric enzyme tool associating the Trichoderma reesei swollenin with the Aspergillus niger feruloyl esterase A for release of ferulic acid. Applied Microbiology and Biotechnology, 2006, 73, 872-880.	3.6	44
28	Transcriptional monitoring of steady state and effects of anaerobic phases in chemostat cultures of the filamentous fungus Trichoderma reesei. BMC Genomics, 2006, 7, 247.	2.8	41
29	Common features and interesting differences in transcriptional responses to secretion stress in the fungi Trichoderma reesei and Saccharomyces cerevisiae. BMC Genomics, 2006, 7, 32.	2.8	80
30	Protein production and induction of the unfolded protein response inTrichoderma reeseistrain Rut-C30 and its transformant expressing endoglucanase I with a hydrophobic tag. Biotechnology and Bioengineering, 2005, 89, 335-344.	3.3	35
31	Characterization of Secretory Genes ypt1 / yptA and nsf1 / nsfA from Two Filamentous Fungi: Induction of Secretory Pathway Genes of Trichoderma reesei under Secretion Stress Conditions. Applied and Environmental Microbiology, 2004, 70, 459-467.	3.1	31
32	Molecular Cloning and Expression in Saccharomyces cerevisiae of a Laccase Gene from the Ascomycete Melanocarpus albomyces. Applied and Environmental Microbiology, 2004, 70, 137-144.	3.1	80
33	Expression in Trichoderma reesei and characterisation of a thermostable family 3 Î²-glucosidase from the moderately thermophilic fungus Talaromyces emersonii. Protein Expression and Purification, 2004, 38, 248-257.	1.3	146
34	Expression of Melanocarpus albomyces laccase in Trichoderma reesei and characterization of the purified enzyme. Microbiology (United Kingdom), 2004, 150, 3065-3074.	1.8	162
35	cDNA encoding protein O-mannosyltransferase from the filamentous fungus Trichoderma reesei; functional equivalence to Saccharomyces cerevisiae PMT2. Current Genetics, 2003, 43, 11-16.	1.7	17
36	Activation mechanisms of the HACI-mediated unfolded protein response in filamentous fungi. Molecular Microbiology, 2003, 47, 1149-1161.	2.5	132

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37	Effects of Inactivation and Constitutive Expression of the Unfolded- Protein Response Pathway on Protein Production in the Yeast Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2003, 69, 2065-2072.	3.1	175
38	Improvementof Foreign-Protein Production in Aspergillus niger var. awamori by Constitutive Induction of the Unfolded-ProteinResponse. Applied and Environmental Microbiology, 2003, 69, 6979-6986.	3.1	120
39	The Effects of Drugs Inhibiting Protein Secretion in the Filamentous Fungus Trichoderma reesei. Journal of Biological Chemistry, 2003, 278, 45011-45020.	3.4	141
40	Enzymatic Properties and Intracellular Localization of the Novel Trichoderma reesei Î²-Glucosidase BGLII (Cel1A). Applied and Environmental Microbiology, 2002, 68, 4546-4553.	3.1	145
41	Swollenin, a Trichodermaâ€ freesei protein with sequence similarity to the plant expansins, exhibits disruption activity on cellulosic materials. FEBS Journal, 2002, 269, 4202-4211.	0.2	369
42	Crystal structure of a laccase from Melanocarpus albomyces with an intact trinuclear copper site. Nature Structural Biology, 2002, 9, 601-5.	9.7	151
43	Trichoderma reesei rho3 , a homologue of yeast RHO3 , suppresses the growth defect of yeast sec15-1 mutation. Current Genetics, 2001, 40, 119-127.	1.7	11
44	Homologous expression and characterization of Cel61A (EG IV) of Trichoderma reesei. FEBS Journal, 2001, 268, 6498-6507.	0.2	116
45	Monitoring the kinetics of glycoprotein synthesis and secretion in the filamentous fungus Trichoderma reesei: cellobiohydrolase I (CBHI) as a model protein. Microbiology (United Kingdom), 2000, 146, 223-232.	1.8	37
46	cDNA Cloning of a Trichoderma reesei Cellulase and Demonstration of Endoglucanase Activity by Expression in Yeast. FEBS Journal, 1997, 249, 584-591.	0.2	159
47	Laccase from the white-rot fungus Trametes versicolor: cDNA cloning of lcc1 and expression in Pichia pastoris. Current Genetics, 1997, 32, 425-430.	1.7	130
48	Yeast protein translocation complex: Isolation of two genes SEB1 and SEB2 encoding proteins homologous to the Sec61Î² subunit. Yeast, 1996, 12, 425-438.	1.7	47
49	Heterologous Production of a Ligninolytic Enzyme: Expression of the Phlebia Radiata Laccase Gene in Trichoderma Reesei. Bio/technology, 1991, 9, 987-990.	1.5	83
50	Site-directed mutagenesis of the putative catalytic residues of Trichoderma reesci cellobiohydrolase I and endoglucanase I. FEBS Letters, 1990, 275, 135-138.	2.8	24
51	A lignin peroxidase-encoding cDNA from the white-rot fungus Phlebia radiata: characterization and expression in Trichoderma reesei. Gene, 1989, 85, 343-351.	2.2	95
52	Expression of twoTrichoderma reesei endoglucanases in the yeastSaccharomyces cerevisiae. Yeast, 1987, 3, 175-185.	1.7	132