

Helena Km Nevalainen

List of Publications by Year in descending order

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43
papers

2,138
citations

361045

20
h-index

264894

42
g-index

43
all docs

43
docs citations

43
times ranked

2269
citing authors

#	ARTICLE	IF	CITATIONS
1	A versatile transformation system for the cellulolytic filamentous fungus <i>Trichoderma reesei</i> . <i>Gene</i> , 1987, 61, 155-164.	1.0	578
2	<i>Trichoderma reesei</i> RUT-C30 “ thirty years of strain improvement. <i>Microbiology (United Kingdom)</i> , 2012, 158, 58-68.	0.7	423
3	Modified glycosylation of cellobiohydrolase I from a high cellulase-producing mutant strain of <i>Trichoderma reesei</i> . <i>FEBS Journal</i> , 1998, 256, 119-127.	0.2	133
4	Bioproducts From <i>Euglena gracilis</i> : Synthesis and Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 108.	2.0	109
5	<i>Frontiers in Microbiology</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 75.	1.5	92
6	Proteins associated with the cell envelope of <i>Trichoderma reesei</i> : A proteomic approach. <i>Proteomics</i> , 2001, 1, 899-910.	1.3	83
7	Proteomic response of <i>Euglena gracilis</i> to heavy metal exposure “ Identification of key proteins involved in heavy metal tolerance and accumulation. <i>Algal Research</i> , 2020, 45, 101764.	2.4	59
8	<i>Pseudomonas aeruginosa</i> inhibits the growth of <i>Scedosporium aurantiacum</i> , an opportunistic fungal pathogen isolated from the lungs of cystic fibrosis patients. <i>Frontiers in Microbiology</i> , 2015, 6, 866.	1.5	52
9	Challenges of Determining O-Glycopeptide Heterogeneity: A Fungal Glucanase Model System. <i>Analytical Chemistry</i> , 2010, 82, 3500-3509.	3.2	44
10	Fungal proteomics: mapping the mitochondrial proteins of a <i>Trichoderma harzianum</i> strain applied for biological control. <i>Current Genetics</i> , 2004, 45, 170-175.	0.8	42
11	Extracellular hydrolase profiles of fungi isolated from koala faeces invite biotechnological interest. <i>Mycological Progress</i> , 2011, 10, 207-218.	0.5	38
12	Cystic fibrosis and bacterial colonization define the sputum N-glycosylation phenotype. <i>Glycobiology</i> , 2015, 25, 88-100.	1.3	38
13	<i>Pseudomonas aeruginosa</i> Inhibits the Growth of <i>Scedosporium</i> and <i>Lomentospora</i> In Vitro. <i>Mycopathologia</i> , 2018, 183, 251-261.	1.3	32
14	High-throughput proteomics and metabolomic studies guide re-engineering of metabolic pathways in eukaryotic microalgae: A review. <i>Bioresource Technology</i> , 2021, 321, 124495.	4.8	31
15	A comprehensive assessment of the biosynthetic pathways of ascorbate, $\hat{\pm}$ -tocopherol and free amino acids in <i>Euglena gracilis</i> var. <i>saccharophila</i> . <i>Algal Research</i> , 2017, 27, 140-151.	2.4	28
16	Stable Upconversion Nanohybrid Particles for Specific Prostate Cancer Cell Immunodetection. <i>Scientific Reports</i> , 2016, 6, 37533.	1.6	25
17	Probing the Role of the Chloroplasts in Heavy Metal Tolerance and Accumulation in <i>Euglena gracilis</i> . <i>Microorganisms</i> , 2020, 8, 115.	1.6	23
18	Phenotypic Profiling of <i>Scedosporium aurantiacum</i> , an Opportunistic Pathogen Colonizing Human Lungs. <i>PLoS ONE</i> , 2015, 10, e0122354.	1.1	22

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19	Nuclear transformation of the versatile microalga <i>Euglena gracilis</i> . <i>Algal Research</i> , 2019, 37, 178-185.	2.4	22
20	Draft Genome of Australian Environmental Strain WM 09.24 of the Opportunistic Human Pathogen <i>Scedosporium aurantiacum</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	21
21	Secretion of Proteases by an Opportunistic Fungal Pathogen <i>Scedosporium aurantiacum</i> . <i>PLoS ONE</i> , 2017, 12, e0169403.	1.1	21
22	Comparative proteomics investigation of central carbon metabolism in <i>Euglena gracilis</i> grown under predominantly phototrophic, mixotrophic and heterotrophic cultivations. <i>Algal Research</i> , 2019, 43, 101638.	2.4	21
23	Molecular tools and applications of <i>Euglena gracilis</i> : From biorefineries to bioremediation. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3952-3967.	1.7	20
24	Comparative assessment of the <i>Euglena gracilis</i> var. <i>saccharophila</i> variant strain as a producer of the β -1,3-glucan paramylon under varying light conditions. <i>Journal of Phycology</i> , 2018, 54, 529-538.	1.0	19
25	Fungal proteins with mannanase activity identified directly from a Congo Red stained zymogram by mass spectrometry. <i>Journal of Microbiological Methods</i> , 2009, 79, 374-377.	0.7	16
26	Microwave pretreatment of paramylon enhances the enzymatic production of soluble β -1,3-glucans with immunostimulatory activity. <i>Carbohydrate Polymers</i> , 2018, 196, 339-347.	5.1	14
27	Expression of the mammalian peptide hormone obestatin in <i>Trichoderma reesei</i> . <i>New Biotechnology</i> , 2016, 33, 99-106.	2.4	12
28	Enhancing structural characterisation of glucuronidated <i>O</i> -linked glycans using negative mode ion trap higher energy collision-induced dissociation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 851-858.	0.7	12
29	Heterologous Expression of Proteins in <i>Trichoderma</i> . , 2014, , 89-102.		11
30	Interactions of an Emerging Fungal Pathogen <i>Scedosporium aurantiacum</i> with Human Lung Epithelial Cells. <i>Scientific Reports</i> , 2019, 9, 5035.	1.6	11
31	Methods for Isolation and Cultivation of Filamentous Fungi. <i>Methods in Molecular Biology</i> , 2014, 1096, 3-16.	0.4	11
32	Maturation of barley cysteine endopeptidase expressed in <i>Trichoderma reesei</i> is distorted by incomplete processing. <i>Canadian Journal of Microbiology</i> , 2002, 48, 138-150.	0.8	10
33	Ultrastructural features of the early secretory pathway in <i>Trichoderma reesei</i> . <i>Current Genetics</i> , 2016, 62, 455-465.	0.8	10
34	Effect of <i>Trichoderma reesei</i> Proteinases on the Affinity of an Inorganic-Binding Peptide. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 2225-2240.	1.4	9
35	Overview of Gene Expression Using Filamentous Fungi. <i>Current Protocols in Protein Science</i> , 2018, 92, e55.	2.8	9
36	The unicellular fungal tool RhoTox for risk assessments in groundwater systems. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 18-25.	2.9	8

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37	Rapid optimisation of cellulolytic enzymes ratios in <i>Saccharomyces cerevisiae</i> using in vitro SCRaMbLE. <i>Biotechnology for Biofuels</i> , 2020, 13, 182.	6.2	6
38	Making a Bacterial Thermophilic Enzyme in a Fungal Expression System. <i>Current Protocols in Protein Science</i> , 2018, 92, e52.	2.8	5
39	Growth and protease secretion of <i>Scedosporium aurantiacum</i> under conditions of hypoxia. <i>Microbiological Research</i> , 2018, 216, 23-29.	2.5	5
40	Biological, biochemical and molecular aspects of <i>Scedosporium aurantiacum</i> , a primary and opportunistic fungal pathogen. <i>Fungal Biology Reviews</i> , 2018, 32, 156-165.	1.9	4
41	Effect of peptidases secreted by the opportunistic pathogen <i>Scedosporium aurantiacum</i> on human epithelial cells. <i>Canadian Journal of Microbiology</i> , 2019, 65, 814-822.	0.8	4
42	<i>Inopinatum lactosum</i> gen. & comb. nov., the first yeast-like fungus in Leotiomycetes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	4
43	Development of screening strategies for the identification of paramylon-degrading enzymes. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 769-781.	1.4	1