Helena Km Nevalainen

List of Publications by Year
in descending order

43	2,138	361413	265206
papers	citations	20 h-index	42 g-index

43	43	43	2269
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A versatile transformation system for the cellulolytic filamentous fungus Trichoderma reesei. Gene, 1987, 61, 155-164.	2.2	578
2	Trichoderma reesei RUT-C30 â€“ thirty years of strain improvement. Microbiology (United Kingdom), 2012, 158, 58-68.	1.8	423
3	Modified glycosylation of cellobiohydrolase I from a high cellulase-producing mutant strain of Trichoderma reesei. FEBS Journal, 1998, 256, 119-127.	0.2	133
4	Bioproducts From Euglena gracilis: Synthesis and Applications. Frontiers in Bioengineering and Biotechnology, 2019, 7, 108.	4.1	109
5	Frontiers in Microbiology. Frontiers in Microbiology, 2014, 5, 75.	3.5	92
6	Proteins associated with the cell envelope ofTrichoderma reesei: A proteomic approach. Proteomics, 2001, 1, 899-910.	2.2	83
7	Proteomic response of Euglena gracilis to heavy metal exposure â€“ Identification of key proteins involved in heavy metal tolerance and accumulation. Algal Research, 2020, 45, 101764.	4.6	59
8	Pseudomonas aeruginosa inhibits the growth of Scedosporium aurantiacum, an opportunistic fungal pathogen isolated from the lungs of cystic fibrosis patients. Frontiers in Microbiology, 2015, 6, 866.	3.5	52
9	Challenges of Determining O-Glycopeptide Heterogeneity: A Fungal Glucanase Model System. Analytical Chemistry, 2010, 82, 3500-3509.	6.5	44
10	Fungal proteomics: mapping the mitochondrial proteins of a Trichoderma harzianum strain applied for biological control. Current Genetics, 2004, 45, 170-175.	1.7	42
11	Extracellular hydrolase profiles of fungi isolated from koala faeces invite biotechnological interest. Mycological Progress, 2011, 10, 207-218.	1.4	38
12	Cystic fibrosis and bacterial colonization define the sputum N-glycosylation phenotype. Glycobiology, 2015, 25, 88-100.	2.5	38
13	Pseudomonas aeruginosa Inhibits the Growth of Scedosporium and Lomentospora In Vitro. Mycopathologia, 2018, 183, 251-261.	3.1	32
14	High-throughput proteomics and metabolomic studies guide re-engineering of metabolic pathways in eukaryotic microalgae: A review. Bioresource Technology, 2021, 321, 124495.	9.6	31
15	A comprehensive assessment of the biosynthetic pathways of ascorbate, Î±-tocopherol and free amino acids in Euglena gracilis var. saccharophila. Algal Research, 2017, 27, 140-151.	4.6	28
16	Stable Upconversion Nanohybrid Particles for Specific Prostate Cancer Cell Immunodetection. Scientific Reports, 2016, 6, 37533.	3.3	25
17	Probing the Role of the Chloroplasts in Heavy Metal Tolerance and Accumulation in Euglena gracilis. Microorganisms, 2020, 8, 115.	3.6	23
18	Phenotypic Profiling of Scedosporium aurantiacum, an Opportunistic Pathogen Colonizing Human Lungs. PLoS ONE, 2015, 10, e0122354.	2.5	22

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19	Nuclear transformation of the versatile microalga Euglena gracilis. Algal Research, 2019, 37, 178-185.	4.6	22
20	Draft Genome of Australian Environmental Strain WM 09.24 of the Opportunistic Human Pathogen Scedosporium aurantiacum. Genome Announcements, 2015, 3, .	0.8	21
21	Secretion of Proteases by an Opportunistic Fungal Pathogen Scedosporium aurantiacum. PLoS ONE, 2017, 12, e0169403.	2.5	21
22	Comparative proteomics investigation of central carbon metabolism in Euglena gracilis grown under predominantly phototrophic, mixotrophic and heterotrophic cultivations. Algal Research, 2019, 43, 101638.	4.6	21
23	Molecular tools and applications of Euglena gracilis: From biorefineries to bioremediation. Biotechnology and Bioengineering, 2020, 117, 3952-3967.	3.3	20
24	Comparative assessment of the Euglena gracilis var. saccharophila variant strain as a producer of the Î²â€1,3â€glucan paramylon under varying light conditions. Journal of Phycology, 2018, 54, 529-538.	2.3	19
25	Fungal proteins with mannanase activity identified directly from a Congo Red stained zymogram by mass spectrometry. Journal of Microbiological Methods, 2009, 79, 374-377.	1.6	16
26	Microwave pretreatment of paramylon enhances the enzymatic production of soluble Î²-1,3-glucans with immunostimulatory activity. Carbohydrate Polymers, 2018, 196, 339-347.	10.2	14
27	Expression of the mammalian peptide hormone obestatin in Trichoderma reesei. New Biotechnology, 2016, 33, 99-106.	4.4	12
28	Enhancing structural characterisation of glucuronidated Oâ€linked glycans using negative mode ion trap higher energy collisionâ€induced dissociation mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 851-858.	1.5	12
29	Heterologous Expression of Proteins in Trichoderma. , 2014, , 89-102.		11
30	Interactions of an Emerging Fungal Pathogen Scedosporium aurantiacum with Human Lung Epithelial Cells. Scientific Reports, 2019, 9, 5035.	3.3	11
31	Methods for Isolation and Cultivation of Filamentous Fungi. Methods in Molecular Biology, 2014, 1096, 3-16.	0.9	11
32	Maturation of barley cysteine endopeptidase expressed inTrichoderma reeseiis distorted by incomplete processing. Canadian Journal of Microbiology, 2002, 48, 138-150.	1.7	10
33	Ultrastructural features of the early secretory pathway in Trichoderma reesei. Current Genetics, 2016, 62, 455-465.	1.7	10
34	Effect of Trichoderma reesei Proteinases on the Affinity of an Inorganic-Binding Peptide. Applied Biochemistry and Biotechnology, 2014, 173, 2225-2240.	2.9	9
35	Overview of Gene Expression Using Filamentous Fungi. Current Protocols in Protein Science, 2018, 92, e55.	2.8	9
36	The unicellular fungal tool RhoTox for risk assessments in groundwater systems. Ecotoxicology and Environmental Safety, 2016, 132, 18-25.	6.0	8

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37	Rapid optimisation of cellulolytic enzymes ratios in Saccharomyces cerevisiae using in vitro SCRaMbLE. Biotechnology for Biofuels, 2020, 13, 182.	6.2	6
38	Making a Bacterial Thermophilic Enzyme in a Fungal Expression System. Current Protocols in Protein Science, 2018, 92, e52.	2.8	5
39	Growth and protease secretion of Scedosporium aurantiacum under conditions of hypoxia. Microbiological Research, 2018, 216, 23-29.	5.3	5
40	Biological, biochemical and molecular aspects of Scedosporium aurantiacum, a primary and opportunistic fungal pathogen. Fungal Biology Reviews, 2018, 32, 156-165.	4.7	4
41	Effect of peptidases secreted by the opportunistic pathogen Scedosporium aurantiacum on human epithelial cells. Canadian Journal of Microbiology, 2019, 65, 814-822.	1.7	4
42	Inopinatum lactosum gen. & comb. nov., the first yeast-like fungus in Leotiomycetes. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	4
43	Development of screening strategies for the identification of paramylon-degrading enzymes. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 769-781.	3.0	1