CITATION REPORT List of articles citing

Growing a circular economy with fungal biotechnology: a white paper

DOI: 10.1186/s40694-020-00095-z Fungal Biology and Biotechnology, 2020, 7, 5.

Source: https://exaly.com/paper-pdf/77657183/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
150	Aspergillus: A Powerful Protein Production Platform. 2020 , 10, 1064		9
149	Use of the Versatility of Fungal Metabolism to Meet Modern Demands for Healthy Aging, Functional Foods, and Sustainability. 2020 , 6,		13
148	Rise of the sustainable circular economy platform from waste plastics: A biotechnological perspective. 2020 , 7, 1		5
147	Metal and Phosphate Ions Show Remarkable Influence on the Biomass Production and Lipid Accumulation in Oleaginous. 2020 , 6,		8
146	New Opportunities for Modern Fungal Biology. Frontiers in Fungal Biology, 2020, 1,	0.3	O
145	Engineering cofactor metabolism for improved protein and glucoamylase production in Aspergillus niger. 2020 , 19, 198		6
144	The influence of phosphorus source and the nature of nitrogen substrate on the biomass production and lipid accumulation in oleaginous Mucoromycota fungi. 2020 , 104, 8065-8076		19
143	Unconventional Secretion of Nigerolysins A from Species. 2020 , 8,		О
142	Bioreactivity, Guttation and Agents Influencing Surface Tension of Water Emitted by Actively Growing Indoor Mould Isolates. 2020 , 8,		4
141	CRISPR_Cas systems for fungal research. 2020 , 34, 189-201		9
140	Pilzbiotechnologie als Innovationsmotor. 2020 , 26, 339-339		
139	Reactive fungal wearable. 2021 , 199, 104304		15
138	Universal law for diffusive mass transport through mycelial networks. 2021 , 118, 930-943		8
137	Random Mutagenesis of Filamentous Fungi Strains for High-Yield Production of Secondary Metabolites: The Role of Polyamines.		
136	Mushroom cultivation for soil amendment and bioremediation. 2021 , 1, 1-14		3
135	Environmental and Industrial Perspective of Beneficial Fungal Communities: Current Research and Future Challenges. 2021 , 497-517		1
134	Bracket fungi, natural lightweight construction materials: hierarchical microstructure and compressive behavior of Fomes fomentarius fruit bodies. 2021 , 127, 1		8

133	Fungal Protein <mark>I</mark> What Is It and What Is the Health Evidence? A Systematic Review Focusing on Mycoprotein. 2021 , 5,		9
132	Bioproductos desarrollados a partir de micelio de hongos: Una nueva cultura material y su impacto en la transicili hacia una economi sostenible. 2021 , 6, 1637-1652		1
131	The dark side of fungal competition and resource capture in wood: Zone line spalting from science to application. 2021 , 201, 109480		4
130	Fungal sensing skin. Fungal Biology and Biotechnology, 2021 , 8, 3	7.5	1
129	Flexible Fungal Materials: Shaping the Future. 2021 , 39, 1321-1331		9
128	Potential Socioeconomic and Environmental Effects of an Expanding U.S. Bioeconomy: An Assessment of Near-Commercial Cellulosic Biofuel Pathways. 2021 , 55, 5496-5505		6
127	Application of immobilized mycelium-based pellets for the removal of organochlorine compounds: a review. 2021 , 83, 1781-1796		4
126	Calcium Affects Polyphosphate and Lipid Accumulation in Mucoromycota Fungi. 2021 , 7,		4
125	Increasing the water stability of sinking feed grits using edible fungal hyphae for reducing aquatic waste: A laboratory study. 2021 , 744, 012079		
124	Towards fungal sensing skin. Fungal Biology and Biotechnology, 2021 , 8, 6	7.5	5
124	Towards fungal sensing skin. Fungal Biology and Biotechnology, 2021, 8, 6 Time-resolved secretome analysis of three Colletotrichum species identifies copper radical alcohol oxidases for the production of fatty aldehydes.	7.5	5 0
<u>'</u>	Time-resolved secretome analysis of three Colletotrichum species identifies copper radical alcohol	7.5	
123	Time-resolved secretome analysis of three Colletotrichum species identifies copper radical alcohol oxidases for the production of fatty aldehydes. Fungi and Circular Economy: Pleurotus ostreatus Grown on a Substrate with Agricultural Waste of	7.5	0
123	Time-resolved secretome analysis of three Colletotrichum species identifies copper radical alcohol oxidases for the production of fatty aldehydes. Fungi and Circular Economy: Pleurotus ostreatus Grown on a Substrate with Agricultural Waste of Lavender, and Its Promising Biochemical Profile. 2021, 6, 40	7.5	0 3
123	Time-resolved secretome analysis of three Colletotrichum species identifies copper radical alcohol oxidases for the production of fatty aldehydes. Fungi and Circular Economy: Pleurotus ostreatus Grown on a Substrate with Agricultural Waste of Lavender, and Its Promising Biochemical Profile. 2021, 6, 40 Influence of grains postharvest conditions on mycotoxins occurrence in milk and dairy products. Assessment of Biotechnologically Important Filamentous Fungal Biomass by Fourier Transform	7.5	o 3 1
123 122 121 120	Time-resolved secretome analysis of three Colletotrichum species identifies copper radical alcohol oxidases for the production of fatty aldehydes. Fungi and Circular Economy: Pleurotus ostreatus Grown on a Substrate with Agricultural Waste of Lavender, and Its Promising Biochemical Profile. 2021, 6, 40 Influence of grains postharvest conditions on mycotoxins occurrence in milk and dairy products. Assessment of Biotechnologically Important Filamentous Fungal Biomass by Fourier Transform Raman Spectroscopy. 2021, 22, Nonribosomal peptide synthetases and their biotechnological potential in Penicillium rubens. 2021,	7.5	o 3 1 2
123 122 121 120	Time-resolved secretome analysis of three Colletotrichum species identifies copper radical alcohol oxidases for the production of fatty aldehydes. Fungi and Circular Economy: Pleurotus ostreatus Grown on a Substrate with Agricultural Waste of Lavender, and Its Promising Biochemical Profile. 2021, 6, 40 Influence of grains postharvest conditions on mycotoxins occurrence in milk and dairy products. Assessment of Biotechnologically Important Filamentous Fungal Biomass by Fourier Transform Raman Spectroscopy. 2021, 22, Nonribosomal peptide synthetases and their biotechnological potential in Penicillium rubens. 2021, 48, Melinacidin-Producing, a Major Constituent of Mixed Mycobiota Contaminating Insulation Material	7.5	o 3 1 2 3

115	Turning Inside Out: Filamentous Fungal Secretion and Its Applications in Biotechnology, Agriculture, and the Clinic. 2021 , 7,	3
114	Something old, something new: challenges and developments in Aspergillus niger biotechnology. 2021 , 65, 213-224	6
113	Large-scale phenotyping of 1,000 fungal strains for the degradation of non-natural, industrial compounds. 2021 , 4, 871	4
112	Circular Bioeconomy Concepts Perspective. 2,	16
111	Cre/lox-mediated chromosomal integration of biosynthetic gene clusters for heterologous expression in Aspergillus nidulans.	1
110	Understanding and controlling filamentous growth of fungal cell factories: novel tools and opportunities for targeted morphology engineering. <i>Fungal Biology and Biotechnology</i> , 2021 , 8, 8	4
109	Trends and Applications of Omics Technologies to Functional Characterisation of Enzymes and Protein Metabolites Produced by Fungi. 2021 , 7,	1
108	Glycoengineering of Aspergillus nidulans to produce precursors for humanized N-glycan structures. 2021 , 67, 153-163	2
107	Beyond the Biosynthetic Gene Cluster Paradigm: Genome-Wide Coexpression Networks Connect Clustered and Unclustered Transcription Factors to Secondary Metabolic Pathways. 2021 , 9, e0089821	2
106	Metabolic Regulation of Sugar Assimilation for Lipid Production in BCC7051 through Comparative Transcriptome Perspective. 2021 , 10,	3
105	Spent mushroom substrate and sawdust to produce mycelium-based thermal insulation composites. 2021 , 313, 127910	6
104	Crowdsourced analysis of fungal growth and branching on microfluidic platforms. 2021 , 16, e0257823	2
103	Applicability of fungi in agriculture and environmental sustainability. 2021, 155-172	1
102	Fungi are colder than their surroundings.	2
101	Identification of Copper-Containing Oxidoreductases in the Secretomes of Three Species with a Focus on Copper Radical Oxidases for the Biocatalytic Production of Fatty Aldehydes. 2021 , 87, e0152621	2
100	Application of CRISPR/Cas9 Tools for Genome Editing in the White-Rot Fungus. 2021 , 11,	2
99	Use of filamentous fungi as biocatalysts in the oxidation of 5-(hydroxymethyl)furfural (HMF). 2022 , 344, 126169	4
98	Life Cycle Assessment of Fungal-Based Composite Bricks. 2021 , 13, 11573	5

Beyond the biosynthetic gene cluster paradigm: Genome-wide co-expression networks connect clustered and unclustered transcription factors to secondary metabolic pathways.

96	Fungi for future foods. 2021 , 1, 25-37		8
95	Modular Synthetic Biology Toolkit for Filamentous Fungi. 2021 , 10, 2850-2861		6
94	Ceriporia lacerata Mycelium Culture Medium as a Novel Anti-Aging Microbial Material for Cosmeceutical Application. 2021 , 8, 101		2
93	Applicability and information value of biocalorimetry for the monitoring of fungal solid-state fermentation of lignocellulosic agricultural by-products. 2021 , 66, 97-106		О
92	Evolutionary Morphogenesis of Sexual Fruiting Bodies in Basidiomycota: Toward a New Evo-Devo Synthesis. 2021 , e0001921		2
91	Tilted Arch; Implementation of Additive Manufacturing and Bio-Welding of Mycelium-Based Composites 2021 , 6,		5
90	Development of Novel Forms of Fungal Art Using 2021 , 7,		
89	A review on the potential of filamentous fungi for microbial self-healing of concrete. <i>Fungal Biology and Biotechnology</i> , 2021 , 8, 16	7.5	1
88	State of the art, recent advances, and challenges in the field of fungal mycelium materials: a snapshot of the 2021 Mini Meeting. <i>Fungal Biology and Biotechnology</i> , 2021 , 8, 12	7.5	1
87	Characterization of a Novel Aspartic Protease from Expressed in and Its Application in Production of ACE-Inhibitory Peptides 2021 , 10,		2
86	Effects and interactions of metal oxides in microparticle-enhanced cultivation of filamentous microorganisms.		1
85	Prospective Application of Aspergillus Species: Focus on Enzyme Production Strategies, Advances and Challenges.		2
84	Fungal electronics 2021 , 212, 104588		3
83	Mycoprotein: A futuristic portrayal. 2022 , 287-303		
82	A new circular economy approach for integrated production of tomatoes and mushrooms 2022 , 29, 2756-2765		1
81	A Library of Chassis Strains for Morphology Engineering Connects Strain Fitness and Filamentous Growth With Submerged Macromorphology 2021 , 9, 820088		1
80	A review on mycoprotein: History, nutritional composition, production methods, and health benefits. 2022 , 121, 14-29		4

79	Establishment of the basidiomycete Fomes fomentarius for the production of composite materials <i>Fungal Biology and Biotechnology</i> , 2022 , 9, 4	7.5	1	
78	Risk assessment of fungal materials Fungal Biology and Biotechnology, 2022 , 9, 3	7.5	3	
77	Cre/-Mediated Chromosomal Integration of Biosynthetic Gene Clusters for Heterologous Expression in 2022 ,		1	
76	Fungal Cell Factories for Efficient and Sustainable Production of Proteins and Peptides 2022 , 10,		3	
75	Connecting materials sciences with fungal biology: a sea of possibilities Fungal Biology and Biotechnology, 2022 , 9, 5	7·5	1	
74	Green Synthesis of Nanoparticles by Mushrooms: A Crucial Dimension for Sustainable Soil Management. 2022 , 14, 4328		2	
73	Fungal and enzymatic pretreatments in hot-pressed lignocellulosic bio-composites: A critical review. 2022 , 131659		О	
72	Enzymatic Bioprospecting of Fungi Isolated from a Tropical Rainforest in Mexico 2021 , 8,		1	
71	Extrusion-based additive manufacturing of fungal-based composite materials using the tinder fungus Fomes fomentarius <i>Fungal Biology and Biotechnology</i> , 2021 , 8, 21	7·5	4	
70	Filamentous fungal applications in biotechnology: a combined bibliometric and patentometric assessment <i>Fungal Biology and Biotechnology</i> , 2021 , 8, 23	7.5	1	
69	Current state and future prospects of pure mycelium materials <i>Fungal Biology and Biotechnology</i> , 2021 , 8, 20	7.5	7	
68	Development of a flow cytometry-based plating-free system for strain engineering in industrial fungi 2021 , 106, 713		1	
67	Mycelium-Based Composite Graded Materials: 'Assessing the Effects of Time and Substrate Mixture on Mechanical Properties. 2022 , 7, 48		2	
66	Upcycling Technologies in the Food Industry. 2022 , 367-392			
65	The Multifaceted Role of Mating Type of the Fungus and Sex of the Host in Studies of Fungal Infections in Humans. 2022 , 8, 461		O	
64	Biological Synthesis of Monodisperse Uniform-Size Silver Nanoparticles (AgNPs) by Fungal Cell-Free Extracts at Elevated Temperature and pH. 2022 , 8, 439		O	
63	Fungal secondary metabolites in food and pharmaceuticals in the era of multi-omics 2022,		1	
62	From spores to fungal pellets: a new high throughput image analysis highlights the structural development of Aspergillus niger 2022 ,		О	

61	Filamentous fungi for future functional food and feed 2022 , 76, 102729	3
60	Production of filamentous fungal biomass with increased oil contents using olive oil as a carbon source.	Ο
59	Mushroom Production in the Southern Cone of South America: Bioeconomy, Sustainable Development and Its Current Bloom. 2022 ,	
58	Solid-state co-culture fermentation of simulated food waste with filamentous fungi for production of bio-pigments.	1
57	Arbuscular Mycorrhizal Fungi and Soil Quality Indicators in Eucalyptus genotypes With Different Drought Tolerance Levels. <i>Frontiers in Fungal Biology</i> , 3,	
56	Exploring the Binding Capacity of Mycelium and Wood-Based Composites for Use in Construction. 2022 , 7, 78	
55	Systems biology-guided understanding of white-rot fungi for biotechnological applications: a review. 2022 , 104640	3
54	Aquatic hyphomycete spores: What do we know, where do we go from here?. 2022, 1-20	
53	Fungal protein. 2022 ,	
52	Towards a Fungal Science That Is Independent of Researchers©ender. 2022, 8, 675	Ο
51	Transcriptional Activation of Biosynthetic Gene Clusters in Filamentous Fungi. 10,	2
50	The importance of complete and high-quality genome sequences in Aspergillus niger research. Frontiers in Fungal Biology, 3, O.3	
49	Reliable online measurement of population dynamics for filamentous co-cultures.	
48	Sherry Wines: Worldwide Production, Chemical Composition and Screening Conception for Flor Yeasts. 2022 , 8, 381	О
47	LC/MS Q-TOF Metabolomic Investigation of Amino Acids and Dipeptides in Pleurotus ostreatus Grown on Different Substrates. 2022 , 70, 10371-10382	1
46	Amazing Fungi for Eco-Friendly Composite Materials: A Comprehensive Review. 2022 , 8, 842	3
45	Insight into mycelium-lignocellulosic bio-composites: Essential factors and properties. 2022, 161, 107125	3
44	MY-CO SPACE: An artistic-scientific vision on how to build with fungi. 2022 , 1078, 012070	Ο

43	Valorization of waste biomass through fungal technology: Advances, challenges, and prospects. 2022 , 188, 115608	1
42	Fungi Network Simulation for the Study of Communication Systems. 2022 , 452-462	O
41	Fungi in Mycelium-Based Composites: Usage and Recommendations. 2022, 15, 6283	4
40	What Do the First 597 Global Fungal Red List Assessments Tell Us about the Threat Status of Fungi?. 2022 , 14, 736	1
39	Ten decadal advances in fungal biology leading towards human well-being. 2022, 116, 547-614	2
38	Assessing global fungal threats to humans. 2022 , 1, 223-240	4
37	MtTRC-1, a Novel Transcription Factor, Regulates Cellulase Production via Directly Modulating the Genes Expression of the Mthac-1 and Mtcbh-1 in Myceliophthora thermophila.	О
36	Colony growth and biofilm formation of Aspergillus niger under simulated microgravity. 13,	O
35	Improved natural melanin production by Aspergillus nidulans after optimization of factors involved in the pigment biosynthesis pathway.	O
34	Materials biography as a tool for designers Lexploration of bio-based and bio-fabricated materials for the sustainable fashion industry. 2022 , 18, 749-772	O
33	Healing with Fungi: Unique Aesthetic Expressions for Mycelium-Based Materials Through Patch and Mend. 2022 , 3253-3267	0
32	Temporal characterization of biocycles of mycelium-bound composites made from bamboo and Pleurotus ostreatus for indoor usage. 2022 , 12,	1
31	MycelioTronics: Fungal mycelium skin for sustainable electronics. 2022 , 8,	О
30	Recent advances in the construction of biocomposites based on fungal mycelia. 10,	O
29	Non-Mammalian Eukaryotic Expression Systems Yeast and Fungi in the Production of Biologics. 2022 , 8, 1179	1
28	Non-targeted screening and multivariate analysis of waste stream biomass conversion products.	O
27	Valorization of Agro-Industrial Wastes and Residues through the Production of Bioactive Compounds by Macrofungi in Liquid State Cultures: Growing Circular Economy. 2022 , 12, 11426	2
26	Modular Inducible Multigene Expression System for Filamentous Fungi.	O

25	A Mad7 System for Genetic Engineering of Filamentous Fungi. 2023 , 9, 16	0
24	Narratives of fungal-based materials for a new bioeconomy era. 1-11	0
23	Co-Cultivation of Aspergillus niger and Trichoderma reesei Enables Efficient Production of Enzymes for the Hydrolysis of Wheat Bran.	O
22	Copper radical oxidases: galactose oxidase, glyoxal oxidase, and beyond!.	1
21	Improved natural melanin production by Aspergillus nidulans after optimization of factors involved in the pigment biosynthesis pathway. 2022 , 21,	1
20	Fungal biotechnology. 2023 , 31-66	Ο
19	Unlocking the magic in mycelium: Using synthetic biology to optimize filamentous fungi for biomanufacturing and sustainability. 2023 , 19, 100560	0
18	Carbohydrate-active enzymes in animal feed. 2023 , 65, 108145	O
17	A genetic tool to express long fungal biosynthetic genes. 2023 , 10,	О
16	Environmentally Conscious Technologies Using Fungi in a Climate-Changing World. 2023 , 4, 69-77	O
15	The transcriptomic response of two basidiomycete fungi to plant biomass is modulated by temperature to a different extent. 2023 , 270, 127333	0
14	Role of mycoprotein as a non-meat protein in food security and sustainability: a review. 2023 , 26, 683-695	Ο
13	Die Schlauchpilze (Ascomycota). 2022 , 173-316	Ο
12	Fabrication of Biofunctionalized Protease-Based Chitosan/Collagen Composite Membranes and Efficient Biodegradation Using Recombinant Aspergillus Fumigatus.	Ο
11	Identificacili de hongos filamentosos asociados al suelo del bosque protegido de Prosperina. 2023 , 8, 1-10	0
10	Alternative Protein Sources and Novel Foods: Benefits, Food Applications and Safety Issues. 2023 , 15, 1509	O
9	Growth, laccase activity and role in 2,4-D degradation of Lentinus crinitus (L.) Fr. in a liquid medium. 2023 , 50, 102682	0
8	Characterization and metabolomic profiling of two pigment producing fungi from infected fruits of Indian Gooseberry. 2023 , 205,	Ο

7	Fungal biotechnology: From yesterday to tomorrow. 4,	Ο
6	Aspergillus nidulansNatural Metabolites Powerhouse: Structures, Biosynthesis, Bioactivities, and Biotechnological Potential. 2023 , 9, 325	O
5	Lignin Degradation and Valorization by Filamentous Fungi. 2023, 1-31	O
4	Fungi Impacting Human Health. 2023 , 597-610	O
3	Impact of Fungi on the World Economy and Its Sustainability: Current Status and Potentials. 2023, 3-37	О
2	Mycelium as sustainable textile material Ireview on recent research and future prospective. 2023 , 35, 454-476	O
1	Agro-industrial Residues: An Eco-friendly and Inexpensive Substrate for Fungi in the Development of White Biotechnology. 2023 , 571-603	О