

Fungal artificial chromosomes for mining of the fungal

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Filamentous fungi from extreme environments as a promising source of novel bioactive secondary metabolites. <i>Frontiers in Microbiology</i> , 2015, 6, 903.	1.5	72
2	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
3	Modern mass spectrometry for synthetic biology and structure-based discovery of natural products. <i>Natural Product Reports</i> , 2016, 33, 942-950.	5.2	52
4	Use of Multiple Sequencing Technologies To Produce a High-Quality Genome of the Fungus <i>Pseudogymnoascus destructans</i> , the Causative Agent of Bat White-Nose Syndrome. <i>Genome Announcements</i> , 2016, 4, .	0.8	24
5	Deciphering bioactive peptides and their action mechanisms through proteomics. <i>Expert Review of Proteomics</i> , 2016, 13, 1007-1016.	1.3	4
6	Secondary metabolite arsenal of an opportunistic pathogenic fungus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20160023.	1.8	88
7	Marine Fungi. , 2016, , 99-153.		8
8	Secondary metabolism in <i>Trichoderma</i> – Chemistry meets genomics. <i>Fungal Biology Reviews</i> , 2016, 30, 74-90.	1.9	271
9	Induction of secondary metabolism of <i>Aspergillus terreus</i> ATCC 20542 in the batch bioreactor cultures. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3009-3022.	1.7	27
10	<i>Saccharomyces cerevisiae</i> as a tool for mining, studying and engineering fungal polyketide synthases. <i>Fungal Genetics and Biology</i> , 2016, 89, 52-61.	0.9	52
11	Discovering Protein-Coding Genes from the Environment: Time for the Eukaryotes?. <i>Trends in Biotechnology</i> , 2017, 35, 824-835.	4.9	18
12	A cryptic pigment biosynthetic pathway uncovered by heterologous expression is essential for conidial development in <i>Pestalotiopsis fici</i> . <i>Molecular Microbiology</i> , 2017, 105, 469-483.	1.2	39
13	A scalable platform to identify fungal secondary metabolites and their gene clusters. <i>Nature Chemical Biology</i> , 2017, 13, 895-901.	3.9	154
14	Exploiting the natural product potential of fungi with integrated -omics and synthetic biology approaches. <i>Current Opinion in Systems Biology</i> , 2017, 5, 50-56.	1.3	23
15	A Matter of Scale and Dimensions: Chromatin of Chromosome Landmarks in the Fungi. , 2017, 5, 571-597.		18
16	Interpreting Microbial Biosynthesis in the Genomic Age: Biological and Practical Considerations. <i>Marine Drugs</i> , 2017, 15, 165.	2.2	21
17	Identification of the First Diketomorpholine Biosynthetic Pathway Using FAC-MS Technology. <i>ACS Chemical Biology</i> , 2018, 13, 1142-1147.	1.6	30
18	From genomics to metabolomics, moving toward an integrated strategy for the discovery of fungal secondary metabolites. <i>Natural Product Reports</i> , 2018, 35, 147-173.	5.2	132

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19	Interrogation of Benzomalvin Biosynthesis Using Fungal Artificial Chromosomes with Metabolomic Scoring (FAC-MS): Discovery of a Benzodiazepine Synthase Activity. <i>Biochemistry</i> , 2018, 57, 3237-3243.	1.2	19
20	Heterologous Production of a Novel Cyclic Peptide Compound, KK-1, in <i>Aspergillus oryzae</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 690.	1.5	16
21	Inducible promoters and functional genomic approaches for the genetic engineering of filamentous fungi. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6357-6372.	1.7	54
22	Characterization of an <i>Uncinocarpus reesii</i> -expressed recombinant tube precipitin antigen of <i>Coccidioides posadasii</i> for serodiagnosis. <i>PLoS ONE</i> , 2019, 14, e0221228.	1.1	4
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24	Genetic platforms for heterologous expression of microbial natural products. <i>Natural Product Reports</i> , 2019, 36, 1313-1332.	5.2	109
25	Unearthing fungal chemodiversity and prospects for drug discovery. <i>Current Opinion in Microbiology</i> , 2019, 51, 22-29.	2.3	31
26	Harnessing Nature's Anaerobes for Biotechnology and Bioprocessing. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2019, 10, 105-128.	3.3	22
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29	A novel fungal gene regulation system based on inducible VPR-dCas9 and nucleosome map-guided sgRNA positioning. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9801-9822.	1.7	12
30	In the fungus where it happens: History and future propelling <i>Aspergillus nidulans</i> as the archetype of natural products research. <i>Fungal Genetics and Biology</i> , 2020, 144, 103477.	0.9	46
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36	Bioinformatics Applications in Fungal Siderophores: Omics Implications. <i>Fungal Biology</i> , 2021, , 157-171.	0.3	0

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37	Metabolomics and genomics in natural products research: complementary tools for targeting new chemical entities. <i>Natural Product Reports</i> , 2021, 38, 2041-2065.	5.2	59
38	Expression of fungal biosynthetic gene clusters in <i>S. cerevisiae</i> for natural product discovery. <i>Synthetic and Systems Biotechnology</i> , 2021, 6, 20-22.	1.8	6
39	Current State and Future Directions of Genetics and Genomics of Endophytic Fungi for Bioprospecting Efforts. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 649906.	2.0	23
40	Biosynthetic Cyclization Catalysts for the Assembly of Peptide and Polyketide Natural Products. <i>ChemCatChem</i> , 2021, 13, 2095-2116.	1.8	20
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49	Developing fungal heterologous expression platforms to explore and improve the production of natural products from fungal biodiversity. <i>Biotechnology Advances</i> , 2022, 54, 107866.	6.0	36
50	Synthetic Biology Advanced Natural Product Discovery. <i>Metabolites</i> , 2021, 11, 785.	1.3	8
51	Design of abnormal data detection system for protein gene library based on data mining technology. <i>Cellular and Molecular Biology</i> , 2020, 66, 103-110.	0.3	3
52	<i>Penicillium chrysogenum</i> , a Vintage Model with a Cutting-Edge Profile in Biotechnology. <i>Microorganisms</i> , 2022, 10, 573.	1.6	26
53	Marine Fungi. <i>The Microbiomes of Humans, Animals, Plants, and the Environment</i> , 2022, , 243-295.	0.2	4
62	Biological Dark Matter Exploration using Data Mining for the Discovery of Antimicrobial Natural Products. <i>Planta Medica</i> , 2022, 88, 702-720.	0.7	1

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64	Deciphering chemical logic of fungal natural product biosynthesis through heterologous expression and genome mining. <i>Natural Product Reports</i> , 2023, 40, 89-127.	5.2	17
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71	Advances in synthetic biology of fungi and contributions to the discovery of new molecules. <i>ChemBioChem</i> , 0, , .	1.3	0
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