

An update to polyketide synthase and non-ribosomal sy Fusarium

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evolution of Chemical Diversity in a Group of Non-Reduced Polyketide Gene Clusters: Using Phylogenetics to Inform the Search for Novel Fungal Natural Products. <i>Toxins</i> , 2015, 7, 3572-3607.	1.5	27
2	Factors Influencing Production of Fusaristatin A in <i>Fusarium graminearum</i> . <i>Metabolites</i> , 2015, 5, 184-191.	1.3	11
3	De Novo Assembly and Genome Analyses of the Marine-Derived <i>Scopulariopsis brevicaulis</i> Strain LF580 Unravels Life-Style Traits and Anticancerous Scopularide Biosynthetic Gene Cluster. <i>PLoS ONE</i> , 2015, 10, e0140398.	1.1	34
4	Secondary metabolites in fungus-plant interactions. <i>Frontiers in Plant Science</i> , 2015, 6, 573.	1.7	439
5	Phylogenomics and evolution of secondary metabolism in plant-associated fungi. <i>Current Opinion in Plant Biology</i> , 2015, 26, 37-44.	3.5	24
6	Genomic insights into the distribution, genetic diversity and evolution of polyketide synthases and nonribosomal peptide synthetases. <i>Current Opinion in Genetics and Development</i> , 2015, 35, 79-85.	1.5	33
7	Different Culture Metabolites of the Red Sea Fungus <i>Fusarium equiseti</i> Optimize the Inhibition of Hepatitis C Virus NS3/4A Protease (HCV PR). <i>Marine Drugs</i> , 2016, 14, 190.	2.2	24
8	Fast Screening of Antibacterial Compounds from <i>Fusaria</i> . <i>Toxins</i> , 2016, 8, 355.	1.5	32
9	FgSsn3 kinase, a component of the mediator complex, is important for sexual reproduction and pathogenesis in <i>Fusarium graminearum</i> . <i>Scientific Reports</i> , 2016, 6, 22333.	1.6	27
10	Comparative "Omics" of the <i>Fusarium fujikuroi</i> Species Complex Highlights Differences in Genetic Potential and Metabolite Synthesis. <i>Genome Biology and Evolution</i> , 2016, 8, 3574-3599.	1.1	124
11	Whole genome sequencing and comparative genomics of closely related <i>Fusarium</i> Head Blight fungi: <i>Fusarium graminearum</i> , <i>F. meridionale</i> and <i>F. asiaticum</i> . <i>BMC Genomics</i> , 2016, 17, 1014.	1.2	58
12	Host-preferential <i>Fusarium graminearum</i> gene expression during infection of wheat, barley, and maize. <i>Fungal Biology</i> , 2016, 120, 111-123.	1.1	93
13	Real-time imaging of the growth-inhibitory effect of JS399-19 on <i>Fusarium</i> . <i>Pesticide Biochemistry and Physiology</i> , 2016, 134, 24-30.	1.6	14
14	Genome mining of the sordarin biosynthetic gene cluster from <i>Sordaria araneosa</i> Cain ATCC 36386: characterization of cycloaraneosene synthase and GDP-6-deoxyaltrose transferase. <i>Journal of Antibiotics</i> , 2016, 69, 541-548.	1.0	46
15	Living apart together: crosstalk between the core and supernumerary genomes in a fungal plant pathogen. <i>BMC Genomics</i> , 2016, 17, 670.	1.2	53
16	<i>Fusarium agapanthi</i> sp. nov., a novel bikaverin and fusarubin-producing leaf and stem spot pathogen of <i>Agapanthus praecox</i> (African lily) from Australia and Italy. <i>Mycologia</i> , 2016, 108, 981-992.	0.8	31
17	Sound of silence: the beauvericin cluster in <i>Fusarium fujikuroi</i> is controlled by cluster-specific and global regulators mediated by H3K27 modification. <i>Environmental Microbiology</i> , 2016, 18, 4282-4302.	1.8	45
18	Marine Fungi. , 2016, , 99-153.		8

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19	Draft genome sequence and chemical profiling of <i>Fusarium langsethiae</i> , an emerging producer of type A trichothecenes. <i>International Journal of Food Microbiology</i> , 2016, 221, 29-36.	2.1	27
20	Insights into natural products biosynthesis from analysis of 490 polyketide synthases from <i>Fusarium</i> . <i>Fungal Genetics and Biology</i> , 2016, 89, 37-51.	0.9	66
21	Identification of the non-ribosomal peptide synthetase responsible for biosynthesis of the potential anti-cancer drug sansalvamide in <i>Fusarium solani</i> . <i>Current Genetics</i> , 2016, 62, 799-807.	0.8	22
22	A genomic comparison of putative pathogenicity-related gene families in five members of the Ophiostomatales with different lifestyles. <i>Fungal Biology</i> , 2017, 121, 234-252.	1.1	9
23	Recent advances in tenuazonic acid as a potential herbicide. <i>Pesticide Biochemistry and Physiology</i> , 2017, 143, 252-257.	1.6	44
24	Plant-Fungal Interactions: Special Secondary Metabolites of the Biotrophic, Necrotrophic, and Other Specific Interactions. , 2017, , 133-190.		3
25	Plant diversity and plant identity influence <i>Fusarium</i> communities in soil. <i>Mycologia</i> , 2017, 109, 128-139.	0.8	21
27	Detection of Transcriptionally Active Mycotoxin Gene Clusters: DNA Microarray. <i>Methods in Molecular Biology</i> , 2017, 1542, 345-365.	0.4	1
28	Chrysozine Biosynthesis Is Mediated by a Two-Module Nonribosomal Peptide Synthetase. <i>Journal of Natural Products</i> , 2017, 80, 2131-2135.	1.5	37
29	<i>Biatriospora</i> (Ascomycota: Pleosporales) is an ecologically diverse genus including facultative marine fungi and endophytes with biotechnological potential. <i>Plant Systematics and Evolution</i> , 2017, 303, 35-50.	0.3	33
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31	Lack of the COMPASS Component Ccl1 Reduces H3K4 Trimethylation Levels and Affects Transcription of Secondary Metabolite Genes in Two Plant-Pathogenic <i>Fusarium</i> Species. <i>Frontiers in Microbiology</i> , 2016, 07, 2144.	1.5	42
32	Mycotoxin Biosynthesis and Central Metabolism Are Two Interlinked Pathways in <i>Fusarium graminearum</i> , as Demonstrated by the Extensive Metabolic Changes Induced by Caffeic Acid Exposure. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	25
33	<i>Fusarium</i> mycotoxins: a trans-disciplinary overview. <i>Canadian Journal of Plant Pathology</i> , 2018, 40, 161-171.	0.8	37
34	A high-resolution genetic map of the cereal crown rot pathogen <i>Fusarium pseudograminearum</i> provides a near-complete genome assembly. <i>Molecular Plant Pathology</i> , 2018, 19, 217-226.	2.0	35
35	<i>Fusarium</i> crown rot caused by <i>Fusarium pseudograminearum</i> in cereal crops: recent progress and future prospects. <i>Molecular Plant Pathology</i> , 2018, 19, 1547-1562.	2.0	177
36	In silico Prediction, Characterization, Molecular Docking, and Dynamic Studies on Fungal SDRs as Novel Targets for Searching Potential Fungicides Against <i>Fusarium</i> Wilt in Tomato. <i>Frontiers in Pharmacology</i> , 2018, 9, 1038.	1.6	79
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39	Conserved Responses in a War of Small Molecules between a Plant-Pathogenic Bacterium and Fungi. <i>MBio</i> , 2018, 9, .	1.8	73
40	Multiple independent origins for a subtelomeric locus associated with growth rate in <i>Fusarium circinatum</i> . <i>IMA Fungus</i> , 2018, 9, 27-36.	1.7	14
41	Evolution and Diversity of Biosynthetic Gene Clusters in <i>Fusarium</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1158.	1.5	41
42	Genome Sequencing and analyses of Two Marine Fungi from the North Sea Unraveled a Plethora of Novel Biosynthetic Gene Clusters. <i>Scientific Reports</i> , 2018, 8, 10187.	1.6	25
43	Diversity and evolution of polyketide biosynthesis gene clusters in the <i>Ceratocystidaceae</i> . <i>Fungal Biology</i> , 2018, 122, 856-866.	1.1	19
44	Effect of deletion of a trichothecene toxin regulatory gene on the secondary metabolism transcriptome of the saprotrophic fungus <i>Trichoderma arundinaceum</i> . <i>Fungal Genetics and Biology</i> , 2018, 119, 29-46.	0.9	27
45	A metabolomics-guided approach to discover <i>Fusarium graminearum</i> metabolites after removal of a repressive histone modification. <i>Fungal Genetics and Biology</i> , 2019, 132, 103256.	0.9	30
46	Heterologous expression of intact biosynthetic gene clusters in <i>Fusarium graminearum</i> . <i>Fungal Genetics and Biology</i> , 2019, 132, 103248.	0.9	15
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49	<i>Fusarium</i> Secondary Metabolism Biosynthetic Pathways: So Close but So Far Away. <i>Reference Series in Phytochemistry</i> , 2019, , 1-37.	0.2	3
50	Biological Control of <i>Fusarium</i> Crown and Root Rot of Wheat by <i>Streptomyces</i> Isolates It's Complicated. <i>Phytobiomes Journal</i> , 2019, 3, 52-60.	1.4	13
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52	Comparative Genomics and Transcriptomics During Sexual Development Gives Insight Into the Life History of the Cosmopolitan Fungus <i>Fusarium neocosmosporiellum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1247.	1.5	15
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54	Aerobic dissipation of the novel cyanoacrylate fungicide phenamacril in soil and sludge incubations. <i>Chemosphere</i> , 2019, 233, 873-878.	4.2	10
55	Fusaotaxin A, an Example of a Two-Step Mechanism for Non-Ribosomal Peptide Assembly and Maturation in Fungi. <i>Toxins</i> , 2019, 11, 277.	1.5	17
56	Variation in secondary metabolite production potential in the <i>Fusarium incarnatum-equiseti</i> species complex revealed by comparative analysis of 13 genomes. <i>BMC Genomics</i> , 2019, 20, 314.	1.2	68

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58	A linear nonribosomal octapeptide from <i>Fusarium graminearum</i> facilitates cell-to-cell invasion of wheat. <i>Nature Communications</i> , 2019, 10, 922.	5.8	74
59	Epitypification of <i>Fusarium oxysporum</i> – clearing the taxonomic chaos. <i>Persoonia: Molecular Phylogeny and Evolution of Fungi</i> , 2019, 43, 1-47.	1.6	131
60	A new vector system for targeted integration and overexpression of genes in the crop pathogen <i>Fusarium solani</i> . <i>Fungal Biology and Biotechnology</i> , 2019, 6, 25.	2.5	6
61	Real-time PCR quantification of <i>Fusarium avenaceum</i> in soil and seeds. <i>Journal of Microbiological Methods</i> , 2019, 157, 21-30.	0.7	18
62	Regulation of a novel <i>Fusarium</i> cytokinin in <i>Fusarium pseudograminearum</i> . <i>Fungal Biology</i> , 2019, 123, 255-266.	1.1	9
63	There it is! <i>Fusarium pseudograminearum</i> did not lose the fusaristatin gene cluster after all. <i>Fungal Biology</i> , 2019, 123, 10-17.	1.1	12
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65	Heterologous and Engineered Biosynthesis of Nematocidal Polyketide-Nonribosomal Peptide Hybrid Macrolactone from Extreme Thermophilic Fungi. <i>Journal of the American Chemical Society</i> , 2020, 142, 1957-1965.	6.6	41
66	Fusaristatin A production negatively affects the growth and aggressiveness of the wheat pathogen <i>Fusarium pseudograminearum</i> . <i>Fungal Genetics and Biology</i> , 2020, 136, 103314.	0.9	6
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70	Simulation of electrochemical properties of naturally occurring quinones. <i>Scientific Reports</i> , 2020, 10, 13571.	1.6	28
71	Heterologous Expression of the Core Genes in the Complex Fusarubin Gene Cluster of <i>Fusarium Solani</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 7601.	1.8	11
72	Pathogenicity and Virulence Factors of <i>Fusarium graminearum</i> Including Factors Discovered Using Next Generation Sequencing Technologies and Proteomics. <i>Microorganisms</i> , 2020, 8, 305.	1.6	33
73	<i>Fusarium</i> Secondary Metabolism Biosynthetic Pathways: So Close but So Far Away. <i>Reference Series in Phytochemistry</i> , 2020, , 211-247.	0.2	7
74	Polyketide Synthase Gene Expression in Relation to Chloromonilicin and Melanin Production in <i>Monilinia fructicola</i> . <i>Phytopathology</i> , 2020, 110, 1465-1475.	1.1	6

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75	Using metabolomics to guide strategies to tackle the issue of the contamination of food and feed with mycotoxins: A review of the literature with specific focus on <i>Fusarium</i> mycotoxins. <i>Food Control</i> , 2021, 121, 107610.	2.8	15
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77	Interspecies Genomic Variation and Transcriptional Activeness of Secondary Metabolism-Related Genes in <i>Aspergillus Section Fumigati</i> . <i>Frontiers in Fungal Biology</i> , 2021, 2, .	0.9	5
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83	Plant-Fungal Interactions: Special Secondary Metabolites of the Biotrophic, Necrotrophic, and Other Specific Interactions. , 2016, , 1-58.		5
84	Secondary metabolism in <i>Fusarium fujikuroi</i> : strategies to unravel the function of biosynthetic pathways. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 615-630.	1.7	33
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86	Plant-Fungal Interactions: Special Secondary Metabolites of the Biotrophic, Necrotrophic, and Other Specific Interactions. <i>Reference Series in Phytochemistry</i> , 2016, , 1-58.	0.2	2
89	Genomics- and Metabolomics-Based Investigation of the Deep-Sea Sediment-Derived Yeast, <i>Rhodotorula mucilaginosa</i> 50-3-19/20B. <i>Marine Drugs</i> , 2021, 19, 14.	2.2	15
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93	Secondary Metabolite Gene Regulation in Mycotoxigenic <i>Fusarium</i> Species: A Focus on Chromatin. <i>Toxins</i> , 2022, 14, 96.	1.5	12
94	Genus-Wide Analysis of <i>Fusarium</i> Polyketide Synthases Reveals Broad Chemical Potential. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
95	Marine Fungi. <i>The Microbiomes of Humans, Animals, Plants, and the Environment</i> , 2022, , 243-295.	0.2	4
111	Genus-wide analysis of <i>Fusarium</i> polyketide synthases reveals broad chemical potential. <i>Fungal Genetics and Biology</i> , 2022, 160, 103696.	0.9	3

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112	Targeted Genetic Engineering via Agrobacterium-Mediated Transformation in <i>Fusarium solani</i> . <i>Methods in Molecular Biology</i> , 2022, 2489, 93-114.	0.4	0
113	Potential of <i>Zingiber zerumbet</i> endophytic <i>Fusarium oxysporum</i> as biopriming agents to control <i>Pythium</i> mediated soft-rot and optimization of fermentation conditions for cytotoxic metabolite(s) production. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2023, 32, 163-173.	0.9	1
114	Genome-Based Analysis of <i>Verticillium</i> Polyketide Synthase Gene Clusters. <i>Biology</i> , 2022, 11, 1252.	1.3	2
115	Control of dry rot and resistance induction in potato tubers against <i>Fusarium sambucinum</i> using red onion peel extract. <i>Postharvest Biology and Technology</i> , 2023, 195, 112119.	2.9	3
116	Gramiketides, Novel Polyketide Derivatives of <i>Fusarium graminearum</i> , Are Produced during the Infection of Wheat. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 1030.	1.5	2
117	Endophytic fungi from the common walnut and their in vitro antagonistic activity against <i>Ophiognomonia leptostyla</i> . , 2023, 78, 361-371.		2
118	Quick guide to secondary metabolites from <i>Apiospora</i> and <i>Arthrinium</i> . <i>Fungal Biology Reviews</i> , 2023, 43, 100288.	1.9	2