

Xue-Mei Niu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

640
citations

623574

14
h-index

642610

23
g-index

23
all docs

23
docs citations

23
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Arthrobotrys oligospora</i> : a model organism for understanding the interaction between fungi and nematodes. <i>Mycology</i> , 2011, 2, 59-78.	2.0	89
2	Bacteria can mobilize nematode-trapping fungi to kill nematodes. <i>Nature Communications</i> , 2014, 5, 5776.	5.8	85
3	Thermolides, Potent Nematocidal PKS-NRPS Hybrid Metabolites from Thermophilic Fungus <i>Talaromyces thermophilus</i> . <i>Journal of the American Chemical Society</i> , 2012, 134, 20306-20309.	6.6	65
4	Nematodetoxic Aurovertin-Type Metabolites from a Root-Knot Nematode Parasitic Fungus <i>Pochonia chlamydosporia</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 828-834.	2.4	64
5	Nematicidal activity of <i>Trichoderma</i> spp. and isolation of an active compound. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 2297-2302.	1.7	45
6	Arthrobotrisins Aâ€‘C, Oligosporons from the Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> . <i>Journal of Natural Products</i> , 2011, 74, 1526-1530.	1.5	45
7	Morphology Regulatory Metabolites from <i>Arthrobotrys oligospora</i> . <i>Journal of Natural Products</i> , 2012, 75, 1419-1423.	1.5	34
8	High Trap Formation and Low Metabolite Production by Disruption of the Polyketide Synthase Gene Involved in the Biosynthesis of Arthrosporols from Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9076-9082.	2.4	28
9	Potent Nematicidal Activity and New Hybrid Metabolite Production by Disruption of a Cytochrome P450 Gene Involved in the Biosynthesis of Morphological Regulatory Arthrosporols in Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4111-4120.	2.4	28
10	Integrated Metabolomics and Morphogenesis Reveal Volatile Signaling of the Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	24
11	Sesquiterpenyl Epoxy-Cyclohexenoids and their Signaling Functions in Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13061-13072.	2.4	22
12	New Bioactive Macrocyclic Diterpenoids from <i>Euphorbia helioscopia</i> . <i>Chemistry and Biodiversity</i> , 2017, 14, e1700327.	1.0	19
13	Nematicidal Key Precursors for the Biosynthesis of Morphological Regulatory Arthrosporols in the Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7949-7956.	2.4	16
14	Metabolites from Carnivorous Fungus <i>Arthrobotrys entomopaga</i> and Their Functional Roles in Fungal Predatory Ability. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 4108-4113.	2.4	15
15	Selected Mutations Revealed Intermediates and Key Precursors in the Biosynthesis of Polyketideâ€‘Terpenoid Hybrid Sesquiterpenyl Epoxy-cyclohexenoids. <i>Organic Letters</i> , 2017, 19, 3923-3926.	2.4	13
16	Novel Polyketide-Terpenoid Hybrid Metabolites and Increased Fungal Nematocidal Ability by Disruption of Genes <i>277</i> and <i>279</i> in Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7870-7879.	2.4	10
17	Novel Polyketide-Terpenoid Hybrid Metabolites from a Potent Nematicidal <i>Arthrobotrys oligospora</i> Mutant <i>AOL_s00215g278</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11449-11458.	2.4	9
18	Unexpected Biosynthesis of Fluorescein-Like Arthrocolins against Resistant Strains in an Engineered <i>Escherichia coli</i> . <i>Organic Letters</i> , 2019, 21, 6499-6503.	2.4	7

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19	Polyketide Synthase–Terpenoid Synthase Hybrid Pathway Regulation of Trap Formation through Ammonia Metabolism Controls Soil Colonization of Predominant Nematode-Trapping Fungus. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4464-4479.	2.4	7
20	Two CRISPR/Cas9 Systems Developed in <i>Thermomyces dupontii</i> and Characterization of Key Gene Functions in Thermolide Biosynthesis and Fungal Adaptation. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	6
21	Metabolites from Two Dominant Thermophilic Fungal Species <i>Thermomyces lanuginosus</i> and <i>Scytalidium thermophilum</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000137.	1.0	5
22	Acetylation of Sesquiterpenyl Epoxy-Cyclohexenoids Regulates Fungal Growth, Stress Resistance, Endocytosis, and Pathogenicity of Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> via Metabolism and Transcription. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6145-6155.	2.4	3