

Wen-Bing Yin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6790303/publications.pdf>

Version: 2024-02-01

89
papers

3,139
citations

145106

33
h-index

190340

53
g-index

95
all docs

95
docs citations

95
times ranked

3488
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of two unique sesquiterpenoids from <i>Trichoderma hypoxylon</i> . <i>Mycology</i> , 2022, 13, 32-38.	2.0	3
2	Exploring Verrucosidin Derivatives with Glucose-Uptake-Stimulatory Activity from <i>Penicillium cellarium</i> Using MS/MS-Based Molecular Networking. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 143.	1.5	3
3	Combination Strategy of Genetic Dereplication and Manipulation of Epigenetic Regulators Reveals a Novel Compound from Plant Endophytic Fungus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3686.	1.8	0
4	Biosynthesis of Viridicatol in <i>Penicillium palitans</i> Implies a Cytochrome P450-Mediated <i>meta</i> Hydroxylation at a Monoalkylated Benzene Ring. <i>Organic Letters</i> , 2022, 24, 262-267.	2.4	6
5	Molecular Evolution of Lysine Biosynthesis in Agaricomycetes. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 37.	1.5	3
6	Fungal-fungal cocultivation leads to widespread secondary metabolite alteration requiring the partial loss-of-function VeA1 protein. <i>Science Advances</i> , 2022, 8, eabo6094.	4.7	27
7	New insights into the disulfide bond formation enzymes in epidithiodiketopiperazine alkaloids. <i>Chemical Science</i> , 2021, 12, 4132-4138.	3.7	20
8	Genomics-driven discovery of a new cyclodepsipeptide from the guanophilic fungus <i>Amphichorda guana</i> . <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1960-1964.	1.5	4
9	Heterologous expression of a single fungal HR-PKS leads to the formation of diverse 2-alkenyl-tetrahydropyrans in model fungi. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8377-8383.	1.5	1
10	Establishment of a Genetic Transformation System in Guanophilic Fungus <i>Amphichorda guana</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 138.	1.5	8
11	Discovery and genetic identification of amphiphilic coprogen siderophores from <i>Trichoderma hypoxylon</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2831-2839.	1.7	7
12	Tricarbocyclic core formation of tyrosine-decahydrofluorenes implies a three-enzyme cascade with XenF-mediated sigmatropic rearrangement as a prerequisite. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3655-3664.	5.7	7
13	Hydrazine-Containing Heterocycle Cytochalasan Derivatives From Hydrazinolysis of Extracts of a Desert Soil-Derived Fungus <i>Chaetomium madrasense</i> 375. <i>Frontiers in Chemistry</i> , 2021, 9, 620589.	1.8	8
14	New Diterpenoids and Isocoumarin Derivatives from the Mangrove-Derived Fungus <i>Hypoxylon</i> sp.. <i>Marine Drugs</i> , 2021, 19, 362.	2.2	13
15	Precursor Supply Increases the Accumulation of 4-Hydroxy-6-(4-hydroxyphenyl)- δ -pyrone after NRPS-PKS Gene Expression. <i>Journal of Natural Products</i> , 2021, 84, 2380-2384.	1.5	7
16	Reconstitution of biosynthetic pathway for mushroom-derived cyathane diterpenes in yeast and generation of new α -non-natural analogues. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2945-2956.	5.7	11
17	An Optimized and Efficient CRISPR/Cas9 System for the Endophytic Fungus <i>Pestalotiopsis fici</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 809.	1.5	14
18	A CRISPR/Cas9 Cleavage System for Capturing Fungal Secondary Metabolite Gene Clusters. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 8-15.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Rapid and Accurate Screening of Lysine-Producing Edible Mushrooms via the Homocitrate Synthase Gene as a Universal Molecular Marker. <i>ACS Omega</i> , 2021, 6, 26910-26918.	1.6	2
20	Study on the bZIP-Type Transcription Factors NapA and RsmA in the Regulation of Intracellular Reactive Species Levels and Sterigmatocystin Production of <i>Aspergillus nidulans</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 11577.	1.8	4
21	Transcriptional Differences Guided Discovery and Genetic Identification of Coprogen and Dimerumic Acid Siderophores in <i>Metarhizium robertsii</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 783609.	1.5	1
22	Harnessing diverse transcriptional regulators for natural product discovery in fungi. <i>Natural Product Reports</i> , 2020, 37, 6-16.	5.2	70
23	Formation of Terrestrial Acid in <i>Penicillium crustosum</i> Requires Redox-Assisted Decarboxylation and Stereoisomerization. <i>Organic Letters</i> , 2020, 22, 88-92.	2.4	13
24	Biosynthesis of the Prenylated Salicylaldehyde Flavoglucin Requires Temporary Reduction to Salicyl Alcohol for Decoration before Reoxidation to the Final Product. <i>Organic Letters</i> , 2020, 22, 2256-2260.	2.4	21
25	Genetic dereplication driven discovery of a tricinoloniol acid biosynthetic pathway in <i>Trichoderma hypoxylon</i> . <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5344-5348.	1.5	15
26	Isocoumarin formation by heterologous gene expression and modification by host enzymes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4946-4948.	1.5	14
27	Research advances in secondary metabolites of pest control fungi in the post-genomic era. <i>Scientia Sinica Vitae</i> , 2020, 50, 589-598.	0.1	1
28	Rational design for fungal laccase production in the model host <i>Aspergillus nidulans</i> . <i>Science China Life Sciences</i> , 2019, 62, 84-94.	2.3	11
29	Genetic mining of the "dark matter" in fungal natural products. <i>Science China Life Sciences</i> , 2019, 62, 1250-1252.	2.3	3
30	A biocatalytic hydroxylation-enabled unified approach to C19-hydroxylated steroids. <i>Nature Communications</i> , 2019, 10, 3378.	5.8	34
31	Genetic dereplication of <i>Trichoderma hypoxylon</i> reveals two novel polycyclic lactones. <i>Bioorganic Chemistry</i> , 2019, 91, 103185.	2.0	7
32	Strategy for efficient cloning of biosynthetic gene clusters from fungi. <i>Science China Life Sciences</i> , 2019, 62, 1087-1095.	2.3	4
33	Two transcription factors cooperatively regulate DHN melanin biosynthesis and development in <i>Pestalotiopsis fici</i> . <i>Molecular Microbiology</i> , 2019, 112, 649-666.	1.2	29
34	Characterization and Biosynthesis of a Rare Fungal Hopane-Type Triterpenoid Glycoside Involved in the Antistress Property of <i>Aspergillus fumigatus</i> . <i>Organic Letters</i> , 2019, 21, 3252-3256.	2.4	21
35	Peniphenone and Penilactone Formation in <i>Penicillium crustosum</i> via 1,4-Michael Additions of ortho-Quinone Methide from Hydroxyclovatol to β -Butyrolactones from Crustosic Acid. <i>Journal of the American Chemical Society</i> , 2019, 141, 4225-4229.	6.6	36
36	Trichodermatides E and F from fungus <i>Trichoderma applanatum</i> . <i>Journal of Asian Natural Products Research</i> , 2019, 21, 659-665.	0.7	8

#	ARTICLE	IF	CITATIONS
37	Asperphenamate biosynthesis reveals a novel two-module NRPS system to synthesize amino acid esters in fungi. <i>Chemical Science</i> , 2018, 9, 2589-2594.	3.7	27
38	Asperorydines Aâ€“M: Prenylated Tryptophan-Derived Alkaloids with Neurotrophic Effects from <i>Aspergillus oryzae</i> . <i>Journal of Organic Chemistry</i> , 2018, 83, 812-822.	1.7	29
39	Identification and Characterization of a Membrane-Bound Sesterterpene Cyclase from <i>Streptomyces somaliensis</i> . <i>Journal of Natural Products</i> , 2018, 81, 1089-1092.	1.5	24
40	Chemical diversity from the Tibetan Plateau fungi <i>Penicillium kongii</i> and <i>P. brasilianum</i> . <i>Mycology</i> , 2018, 9, 10-19.	2.0	7
41	Rational design for heterologous production of aurovertin-type compounds in <i>Aspergillus nidulans</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 297-304.	1.7	12
42	A new regulator RsdA mediating fungal secondary metabolism has a detrimental impact on asexual development in <i>Pestalotiopsis fici</i> . <i>Environmental Microbiology</i> , 2018, 21, 416-426.	1.8	11
43	Identification and Determination of Rubrofusarin, Rubrofusarin Isomer, and Their Quinone Forms in Grains Using High-Resolution Mass Spectrometry. <i>ACS Omega</i> , 2018, 3, 15924-15932.	1.6	2
44	Duplication of a Pks gene cluster and subsequent functional diversification facilitate environmental adaptation in <i>Metarhizium</i> species. <i>PLoS Genetics</i> , 2018, 14, e1007472.	1.5	34
45	Deletion of a global regulator LaeB leads to the discovery of novel polyketides in <i>Aspergillus nidulans</i> . <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4973-4976.	1.5	46
46	A Consensus Ochratoxin A Biosynthetic Pathway: Insights from the Genome Sequence of <i>Aspergillus ochraceus</i> and a Comparative Genomic Analysis. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	72
47	Synthesis and production of the antitumor polyketide aurovertins and structurally related compounds. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6373-6381.	1.7	12
48	A highly efficient genetic system for the identification of a harzianum B biosynthetic gene cluster in <i>Trichoderma hypoxylon</i> . <i>Microbiology (United Kingdom)</i> , 2018, 164, 769-778.	0.7	19
49	Regio- and Stereospecific <i>O</i> -Glycosylation of Phenolic Compounds Catalyzed by a Fungal Glycosyltransferase from <i>Mucor hiemalis</i> . <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 995-1006.	2.1	28
50	Versicoamides Fâ€“H, Prenylated Indole Alkaloids from <i>Aspergillus tennesseensis</i> . <i>Organic Letters</i> , 2017, 19, 942-945.	2.4	32
51	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
52	COP9 signalosome subunit PfCsnE regulates secondary metabolism and conidial formation in <i>Pestalotiopsis fici</i> . <i>Science China Life Sciences</i> , 2017, 60, 656-664.	2.3	15
53	Discovery and Characterization of a New Family of Diterpene Cyclases in Bacteria and Fungi. <i>Angewandte Chemie</i> , 2017, 129, 4827-4830.	1.6	16
54	Discovery and Characterization of a New Family of Diterpene Cyclases in Bacteria and Fungi. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4749-4752.	7.2	67

#	ARTICLE	IF	CITATIONS
55	Deletion of a Histone Acetyltransferase Leads to the Pleiotropic Activation of Natural Products in <i>Metarhizium robertsii</i> . <i>Organic Letters</i> , 2017, 19, 1686-1689.	2.4	70
56	Decalin-Containing Tetramic Acids and 4-Hydroxy-2-pyridones with Antimicrobial and Cytotoxic Activity from the Fungus <i>Coniochaeta cephalothecoides</i> Collected in Tibetan Plateau (Medog). <i>Journal of Organic Chemistry</i> , 2017, 82, 11474-11486.	1.7	35
57	Genetic Manipulation of the COP9 Signalosome Subunit PfcSnE Leads to the Discovery of Pestaloficins in <i>Pestalotiopsis fici</i> . <i>Organic Letters</i> , 2017, 19, 4700-4703.	2.4	29
58	Mutation on Gly115 and Tyr205 of the cyclic dipeptide C2-prenyltransferase FtmPT1 increases its catalytic activity toward hydroxynaphthalenes. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1989-1998.	1.7	6
59	Functional Analysis of the Nitrogen Metabolite Repression Regulator Gene <i>nmrA</i> in <i>Aspergillus flavus</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1794.	1.5	47
60	Biosynthesis of Antibiotic Leucinostatins in Bio-control Fungus <i>Purpureocillium lilacinum</i> and Their Inhibition on <i>Phytophthora</i> Revealed by Genome Mining. <i>PLoS Pathogens</i> , 2016, 12, e1005685.	2.1	122
61	Bioactive Sesquiterpenes from the Edible Mushroom <i>Flammulina velutipes</i> and Their Biosynthetic Pathway Confirmed by Genome Analysis and Chemical Evidence. <i>Journal of Organic Chemistry</i> , 2016, 81, 9867-9877.	1.7	44
62	Bioactive Spirobisnaphthalenes and Lactones from a Cup Fungus <i>Plectania</i> sp. Collected in the Tibet Plateau Region. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4338-4346.	1.2	7
63	A new species of <i>Trichoderma hypoxylon</i> harbours abundant secondary metabolites. <i>Scientific Reports</i> , 2016, 6, 37369.	1.6	33
64	Polyketide Production of Pestaloficiols and Macrodiolide Ficiolides Revealed by Manipulations of Epigenetic Regulators in an Endophytic Fungus. <i>Organic Letters</i> , 2016, 18, 1832-1835.	2.4	68
65	Epigenetic Genome Mining of an Endophytic Fungus Leads to the Pleiotropic Biosynthesis of Natural Products. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7592-7596.	7.2	76
66	Structurally Diverse Sesquiterpenes Produced by a Chinese Tibet Fungus <i>Stereum hirsutum</i> and Their Cytotoxic and Immunosuppressant Activities. <i>Organic Letters</i> , 2015, 17, 3098-3101.	2.4	42
67	Farming of a defensive fungal mutualist by an attelabid weevil. <i>ISME Journal</i> , 2015, 9, 1793-1801.	4.4	47
68	From taxonomy and industry to genetics: Fungal Biology in China. <i>Fungal Genetics and Biology</i> , 2015, 81, 110-112.	0.9	2
69	Genomic and transcriptomic analysis of the endophytic fungus <i>Pestalotiopsis fici</i> reveals its lifestyle and high potential for synthesis of natural products. <i>BMC Genomics</i> , 2015, 16, 28.	1.2	102
70	The bZIP transcription factor PfcZipA regulates secondary metabolism and oxidative stress response in the plant endophytic fungus <i>Pestalotiopsis fici</i> . <i>Fungal Genetics and Biology</i> , 2015, 81, 221-228.	0.9	32
71	Gloeophyllins A-J, Cytotoxic Ergosteroids with Various Skeletons from a Chinese Tibet Fungus <i>Gloeophyllum abietinum</i> . <i>Organic Letters</i> , 2015, 17, 2538-2541.	2.4	33
72	lanostane Triterpenes from the Tibetan Medicinal Mushroom <i>Ganoderma leucocontextum</i> and Their Inhibitory Effects on HMG-CoA Reductase and β -Glucosidase. <i>Journal of Natural Products</i> , 2015, 78, 1977-1989.	1.5	90

#	ARTICLE	IF	CITATIONS
73	Efficient Biosynthesis of Fungal Polyketides Containing the Dioxabicyclo-octane Ring System. <i>Journal of the American Chemical Society</i> , 2015, 137, 11904-11907.	6.6	90
74	Perturbations in small molecule synthesis uncovers an iron-responsive secondary metabolite network in <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 530.	1.5	59
75	A carbonate-forming Baeyer-Villiger monooxygenase. <i>Nature Chemical Biology</i> , 2014, 10, 552-554.	3.9	75
76	A Nonribosomal Peptide Synthetase-Derived Iron(III) Complex from the Pathogenic Fungus <i>Aspergillus fumigatus</i> . <i>Journal of the American Chemical Society</i> , 2013, 135, 2064-2067.	6.6	111
77	bZIP transcription factors affecting secondary metabolism, sexual development and stress responses in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 77-88.	0.7	89
78	Discovery of Cryptic Polyketide Metabolites from Dermatophytes Using Heterologous Expression in <i>Aspergillus nidulans</i> . <i>ACS Synthetic Biology</i> , 2013, 2, 629-634.	1.9	99
79	The bZIP Protein MeaB Mediates Virulence Attributes in <i>Aspergillus flavus</i> . <i>PLoS ONE</i> , 2013, 8, e74030.	1.1	44
80	An <i>Aspergillus nidulans</i> bZIP response pathway hardwired for defensive secondary metabolism operates through <i>aflR</i> . <i>Molecular Microbiology</i> , 2012, 83, 1024-1034.	1.2	93
81	Transcriptional regulatory elements in fungal secondary metabolism. <i>Journal of Microbiology</i> , 2011, 49, 329-339.	1.3	150
82	Preparation of pyrrolo[2,3-b]indoles carrying a \hat{I}^2 -configured reverse C3-dimethylallyl moiety by using a recombinant prenyltransferase CdpC3PT. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2430.	1.5	57
83	Reconstruction of pyrrolo[2,3-b]indoles carrying an \hat{I}^{\pm} -configured reverse C3-dimethylallyl moiety by using recombinant enzymes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1133.	1.5	33
84	Acetylaszonalenin Biosynthesis in <i>Neosartorya fischeri</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 100-109.	1.6	148
85	Indole Prenyltransferases from Fungi: A New Enzyme Group with High Potential for the Production of Prenylated Indole Derivatives. <i>Current Medicinal Chemistry</i> , 2009, 16, 218-231.	1.2	104
86	Ergot Alkaloid Biosynthesis in <i>Aspergillus fumigatus</i> : FgaAT Catalyses the Acetylation of Fumigaclavine B. <i>ChemBioChem</i> , 2009, 10, 2325-2328.	1.3	22
87	Stereospecific synthesis of aszonalenins by using two recombinant prenyltransferases. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2202.	1.5	39
88	Reinvestigation of a Cyclic Dipeptide <i>N</i> -Prenyltransferase Reveals Rearrangement of Prenylated Indole Derivatives. <i>ChemBioChem</i> , 2008, 9, 1044-1047.	1.3	30
89	CdpNPT, an <i>N</i> -Prenyltransferase from <i>Aspergillus fumigatus</i> : Overproduction, Purification and Biochemical Characterisation. <i>ChemBioChem</i> , 2007, 8, 1154-1161.	1.3	67