Eckhard Thines

List of Publications by Year in Descending Order

89 papers	2,427 citations	24 h-index	46 g-index
99 ext. papers	2,883 ext. citations	4.9 avg, IF	4.75 L-index

#	Paper	IF	Citations
89	Reactive Layer Assembly Sustains an Interlocked Structure in Green Processed and Scalable High-Performance Layered Wood. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 15744-15754	8.3	0
88	Native mass spectrometry-based metabolomics identifies metal-binding compounds. *Nature Chemistry*, **2021**,	17.6	8
87	Magnaporthe oryzae as an expression host for the production of the unspecific peroxygenase AaeUPO from the basidiomycete Agrocybe aegerita.. *MicrobiologyOpen*, **2021**, 10, e1229	3.4	1
86	Anti-phytopathogen terpenoid glycosides from the root bark of Chytranthus macrobotrys and Radlkofera calodendron. *Phytochemistry*, **2021**, 188, 112797	4	0
85	Bioaerosols in the Amazon rain forest: temporal variations and vertical profiles of Eukarya, Bacteria, and Archaea. *Biogeosciences*, **2021**, 18, 4873-4887	4.6	3
84	Hunting modulators of plant defence: the grapevine trunk disease fungus Eutypa lata secretes an amplifier for plant basal immunity. *Journal of Experimental Botany*, **2020**, 71, 3710-3724	7	3
83	Mechanisms of nanotoxicity - biomolecule coronas protect pathological fungi against nanoparticle-based eradication. *Nanotoxicology*, **2020**, 14, 1157-1174	5.3	2
82	Targeted Drug Delivery in Plants: Enzyme-Responsive Lignin Nanocarriers for the Curative Treatment of the Worldwide Grapevine Trunk Disease Esca. *Advanced Science*, **2019**, 6, 1802315	13.6	38
81	Visualizing fungicide action: an in vivo tool for rapid validation of fungicides with target location HOG pathway. *Pest Management Science*, **2019**, 75, 772-778	4.6	8
80	Identification of Patulin from as a Toxin for Enteric Neurons. *Molecules*, **2019**, 24,	4.8	9
79	Drug Delivery in Plants: Targeted Drug Delivery in Plants: Enzyme-Responsive Lignin Nanocarriers for the Curative Treatment of the Worldwide Grapevine Trunk Disease Esca (Adv. Sci. 15/2019). *Advanced Science*, **2019**, 6, 1970091	13.6	1
78	Promoter Activation in Δfq Mutants as an Efficient Tool for Specialized Metabolite Production Enabling Direct Bioactivity Testing. *Angewandte Chemie*, **2019**, 131, 19133-19139	3.6	6
77	Promoter Activation in Δfq Mutants as an Efficient Tool for Specialized Metabolite Production Enabling Direct Bioactivity Testing. *Angewandte Chemie - International Edition*, **2019**, 58, 18957-18963	16.4	15
76	Rücktitelbild: Promoter Activation in Δfq Mutants as an Efficient Tool for Specialized Metabolite Production Enabling Direct Bioactivity Testing (Angew. Chem. 52/2019). *Angewandte Chemie*, **2019**, 131, 19288-19288	3.6	
75	Resistance to Nano-Based Antifungals Is Mediated by Biomolecule Coronas. *ACS Applied Materials & Interfaces*, **2019**, 11, 104-114	9.5	8
74	Fungicide resistance toward fludioxonil conferred by overexpression of the phosphatase gene MoPTP2 in Magnaporthe oryzae. *Molecular Microbiology*, **2019**, 111, 662-677	4.1	11
73	Yeasts from Different Habitats and Their Potential as Biocontrol Agents. *Fermentation*, **2018**, 4, 31	4.7	39

72	Anti-inflammatory effects of cinnamon extract and identification of active compounds influencing the TLR2 and TLR4 signaling pathways. *Food and Function*, **2018**, 9, 5950-5964	6.1	29
71	Species Richness, rRNA Gene Abundance, and Seasonal Dynamics of Airborne Plant-Pathogenic Oomycetes. *Frontiers in Microbiology*, **2018**, 9, 2673	5.7	5
70	Screening of herbal extracts for TLR2- and TLR4-dependent anti-inflammatory effects. *PLoS ONE*, **2018**, 13, e0203907	3.7	30
69	Discovery of an Extended Austinoid Biosynthetic Pathway in Aspergillus calidoustus. *ACS Chemical Biology*, **2017**, 12, 1227-1234	4.9	22
68	Identification of factors involved in dimorphism and pathogenicity of Zymoseptoria tritici. *PLoS ONE*, **2017**, 12, e0183065	3.7	10
67	Purification and Properties of Yeast Proteases Secreted by Wickerhamomyces anomalus 227 and Metschnikovia pulcherrima 446 during Growth in a White Grape Juice. *Fermentation*, **2017**, 3, 2	4.7	13
66	The Chinese herbal formula Free and Easy Wanderer ameliorates oxidative stress through KEAP1-NRF2/HO-1 pathway. *Scientific Reports*, **2017**, 7, 11551	4.9	25
65	Phytotoxic dioxolanones are potential virulence factors in the infection process of Guignardia bidwellii. *Scientific Reports*, **2017**, 7, 8926	4.9	4
64	Multistep phosphorelay in fungi: the enigma of multiple signals and a limited number of signaling pathways. *Mycological Progress*, **2017**, 16, 1007-1013	1.9	4
63	Secondary Metabolites of Fungal Vine Pathogens **2017**, 165-185		0
62	The exceptionality of stress response in Magnaporthe oryzae: a set of Salt stress-induced genes unique to the rice blast fungus. *Journal of Plant Diseases and Protection*, **2017**, 124, 399-402	1.5	2
61	Identification of NF-B as Determinant of Posttraumatic Stress Disorder and Its Inhibition by the Chinese Herbal Remedy. *Frontiers in Pharmacology*, **2017**, 8, 181	5.6	10
60	A new member of the fusaricidin family - structure elucidation and synthesis of fusaricidin E. *Beilstein Journal of Organic Chemistry*, **2017**, 13, 1430-1438	2.5	7
59	Unravelling the biosynthesis of pyriculol in the rice blast fungus Magnaporthe oryzae. *Microbiology (United Kingdom)*, **2017**, 163, 541-553	2.9	29
58	Total Synthesis of (-)-Hymenosetin. *Journal of Organic Chemistry*, **2016**, 81, 215-28	4.2	22
57	Magnaporthe oryzae effectors MoHEG13 and MoHEG16 interfere with host infection and MoHEG13 counteracts cell death caused by Magnaporthe-NLPs in tobacco. *Plant Cell Reports*, **2016**, 35, 1169-85	5.1	21
56	Differing Alterations of Two Esca Associated Fungi, Phaeoacremonium aleophilum and Phaeomoniella chlamydospora on Transcriptomic Level, to Co-Cultured Vitis vinifera L. calli. *PLoS ONE*, **2016**, 11, e0163344	3.7	3
55	Cytotoxicity of Salvia miltiorrhiza Against Multidrug-Resistant Cancer Cells. *The American Journal of Chinese Medicine*, **2016**, 44, 871-94	6	9

54	Evaluating ancient Egyptian prescriptions today: Anti-inflammatory activity of Ziziphus spina-christi. *Phytomedicine*, **2016**, 23, 293-306	6.5	43
53	Stress Biology in Fungi and Omic Approaches as Suitable Tools for Analyzing Plant Microbe Interactions **2016**, 153-178		2
52	Terphenyl Derivatives from Allantophomopsis lycopodina. *Journal of Natural Products*, **2016**, 79, 2718-2725	4.9	11
51	Bioaerosols in the Earth system: Climate, health, and ecosystem interactions. *Atmospheric Research*, **2016**, 182, 346-376	5.4	406
50	Hog1p activation by marasmic acid through inhibition of the histidine kinase Sln1p. *Pest Management Science*, **2016**, 72, 1268-74	4.6	13
49	High osmolarity glycerol (HOG) signalling in Magnaporthe oryzae: Identification of MoYPD1 and its role in osmoregulation, fungicide action, and pathogenicity. *Fungal Biology*, **2015**, 119, 580-94	2.8	32
48	Extract of Caragana sinica as a potential therapeutic option for increasing alpha-secretase gene expression. *Phytomedicine*, **2015**, 22, 1027-36	6.5	9
47	Cytotoxicity of the Sesquiterpene Lactones Neoambrosin and Damsin from Ambrosia maritima Against Multidrug-Resistant Cancer Cells. *Frontiers in Pharmacology*, **2015**, 6, 267	5.6	26
46	Biodegradable lignin nanocontainers. *RSC Advances*, **2014**, 4, 11661-11663	3.7	130
45	Tanzawaic acids I-L: Four new polyketides from Penicillium sp. IBWF104-06. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 251-8	2.5	12
44	Histidine kinases mediate differentiation, stress response, and pathogenicity in Magnaporthe oryzae. *MicrobiologyOpen*, **2014**, 3, 668-87	3.4	37
43	Assignment of Configuration in a Series of Dioxolanone-Type Secondary Metabolites from Guignardia bidwellii A Comparison of VCD and ECD Spectroscopy. *European Journal of Organic Chemistry*, **2013**, 2013, 5946-5951	3.2	13
42	Phytotoxic dioxolanone-type secondary metabolites from Guignardia bidwellii. *Phytochemistry*, **2013**, 89, 96-103	4	20
41	The role of the Tra1p transcription factor of Magnaporthe oryzae in spore adhesion and pathogenic development. *Fungal Genetics and Biology*, **2013**, 57, 11-22	3.9	10
40	Coumarin derivatives from Pedilanthus tithymaloides as inhibitors of conidial germination in Magnaporthe oryzae. *Tetrahedron Letters*, **2012**, 53, 2153-2156	2	12
39	Drimane sesquiterpenoids from Marasmius sp. inhibiting the conidial germination of plant-pathogenic fungi. *Journal of Natural Products*, **2012**, 75, 1983-6	4.9	14
38	Phenguignardic acid and guignardic acid, phytotoxic secondary metabolites from Guignardia bidwellii. *Journal of Natural Products*, **2012**, 75, 1265-9	4.9	22
37	GKK1032A a secondary metabolite from Penicillium sp. IBWF-029-96, inhibits conidial germination in the rice blast fungus Magnaporthe oryzae. *Journal of Antibiotics*, **2012**, 65, 99-102	3.7	16

36	Bioassays to monitor Taspase1 function for the identification of pharmacogenetic inhibitors. *PLoS ONE*, **2011**, 6, e18253	3.7	24
35	Caripyrin, a new inhibitor of infection-related morphogenesis in the rice blast fungus Magnaporthe oryzae. *Journal of Antibiotics*, **2010**, 63, 285-9	3.7	13
34	Structure elucidation of hypocreolide A by enantioselective total synthesis. *Organic and Biomolecular Chemistry*, **2010**, 8, 2123-30	3.9	18
33	Synthesis of bioactive 2-aza-analogues of ipecac and alangium alkaloids. *ChemMedChem*, **2010**, 5, 1456-64	3.7	6
32	Identification of Fungicide Targets in Pathogenic Fungi **2009**, 233-245		
31	The Magnaporthe grisea class VII chitin synthase is required for normal appressorial development and function. *Molecular Plant Pathology*, **2009**, 10, 81-94	5.7	27
30	Xanthepinone, an antimicrobial polyketide from a soil fungus closely related to Phoma medicaginis. *Journal of Natural Products*, **2009**, 72, 1905-7	4.9	21
29	MAP kinase signalling pathway components and targets conserved between the distantly related plant pathogenic fungi Mycosphaerella graminicola and Magnaporthe grisea. *Fungal Genetics and Biology*, **2009**, 46, 667-81	3.9	39
28	Sfp-type 4'-phosphopantetheinyl transferase is indispensable for fungal pathogenicity. *Plant Cell*, **2009**, 21, 3379-96	11.6	53
27	Anthranicine, an Unusual Cyclic Hexapeptide from Acremonium sp. A29-2004. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2009**, 64, 727-730	1	10
26	Ascomycones A-C, heptaketide metabolites from an unidentified ascomycete. *Journal of Natural Products*, **2008**, 71, 1973-6	4.9	16
25	Tetracyclic terpenoids from Dasyscyphus niveus, dasyscyphins D and E. *Journal of Natural Products*, **2008**, 71, 1654-6	4.9	19
24	The transcription factor Con7p is a central regulator of infection-related morphogenesis in the rice blast fungus Magnaporthe grisea. *Molecular Microbiology*, **2007**, 64, 293-307	4.1	115
23	Moulds that should be better known: the wine cellar mould, Racodium cellare Persoon. *The Mycologist*, **2006**, 20, 171-175		10
22	Glisoprenin A, an inhibitor of the signal transduction pathway leading to appressorium formation in germinating conidia of Magnaporthe grisea on hydrophobic surfaces. *FEMS Microbiology Letters*, **2006**, 151, 219-224	2.9	20
21	Signal transduction leading to appressorium formation in germinating conidia of Magnaporthe grisea: effects of second messengers diacylglycerols, ceramides and sphingomyelin. *FEMS Microbiology Letters*, **2006**, 156, 91-94	2.9	3
20	Polar localizing class V myosin chitin synthases are essential during early plant infection in the plant pathogenic fungus Ustilago maydis. *Plant Cell*, **2006**, 18, 225-42	11.6	107
19	Genetics of phytopathology: Secondary metabolites as virulence determinants of fungal plant pathogens. *Progress in Botany Fortschritte Der Botanik*, **2006**, 134-161	0.6	8

18	Diterpenoids from Coprinus heptemerus. *Tetrahedron*, **2005**, 61, 9527-9532	2.4	28
17	Heptemerones A-G, seven novel diterpenoids from Coprinus heptemerus: producing organism, fermentation, isolation and biological activities. *Journal of Antibiotics*, **2005**, 58, 390-6	3.7	51
16	Fungal secondary metabolites as inhibitors of infection-related morphogenesis in phytopathogenic fungi. *Mycological Research*, **2004**, 108, 14-25		39
15	The vacuole as central element of the lytic system and sink for lipid droplets in maturing appressoria of Magnaporthe grisea. *Protoplasma*, **2001**, 216, 101-12	3.4	77
14	MAP Kinase and Protein Kinase A: Dependent Mobilization of Triacylglycerol and Glycogen during Appressorium Turgor Generation by Magnaporthe grisea. *Plant Cell*, **2000**, 12, 1703	11.6	6
13	MAP kinase and protein kinase A-dependent mobilization of triacylglycerol and glycogen during appressorium turgor generation by Magnaporthe grisea. *Plant Cell*, **2000**, 12, 1703-18	11.6	341
12	Effects of Antifungal Compounds on Conidial Germination and on the Induction of Appressorium Formation of Magnaporthe grisea. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **1999**, 54, 903-908	1.7	1
11	Fatty Acids and Their Derivatives as Modulators of Appressorium Formation in Magnaporthe grisea. *Bioscience, Biotechnology and Biochemistry*, **1999**, 63, 879-83	2.1	4
10	Inhibitors of appressorium formation in Magnaporthe grisea: a new approach to control rice blast disease. *Pest Management Science*, **1998**, 54, 314-316		4
9	Trichoflectin, a bioactive azaphilone from the ascomycete Trichopezizella nidulus. *Journal of Natural Products*, **1998**, 61, 306-8	4.9	36
8	Scytalols A, B, C, and D and other modulators of melanin biosynthesis from Scytalidium sp. 36-93. *Journal of Antibiotics*, **1998**, 51, 387-93	3.7	18
7	Glisoprenins C, D and E, new inhibitors of appressorium formation in Magnaporthe grisea, from cultures of Gliocladium roseum. 1. Production and biological activities. *Journal of Antibiotics*, **1998**, 51, 117-22	3.7	7
6	Glisoprenins C, D and E, new inhibitors of appressorium formation in Magnaporthe grisea, from cultures of Gliocladium roseum. 2. Structure determination. *Journal of Antibiotics*, **1998**, 51, 228-31	3.7	13
5	Benesudon, a new antibiotic fungal metabolite from cultures of Mollisia benesuada (Tul.) Phill. *Journal of Antibiotics*, **1997**, 50, 13-7	3.7	13
4	Fusarin C, (7Z)-fusarin C and (5Z)-fusarin C; inhibitors of dihydroxynaphthalene-melanin biosynthesis from Nectria coccinea (Cylindrocarpon sp.). *Journal of Antibiotics*, **1997**, 50, 443-5	3.7	16
3	New botrydial sesquiterpenoids from Hymenoscyphus epiphyllus. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **1997**, 52, 413-20	1.7	7
2	The preparation and bioactivities of (-)-isovelleral. *Bioorganic and Medicinal Chemistry*, **1997**, 5, 1363-7	3.4	11
1	Fungal Melanin Biosynthesis Inhibitors: Introduction of a Test System Based on the Production of Dihydroxynaphthalene (DHN) Melanin in Agar Cultures. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **1995**, 50, 813-819	1.7	19