Thomas N Sieber

List of Publications by Year
in descending order

61 papers	3,413 citations	109321 35 h-index	149698 56 g-index
62 all docs	62 docs citations	62 times ranked	2658 citing authors

#	Article	IF	Citations
1	Endophytic fungi in forest trees: are they mutualists?. Fungal Biology Reviews, 2007, 21, 75-89.	4.7	446
2	Ecology, metabolite production, and substrate utilization in endophytic fungi. Natural Toxins, 1993, 1, 185-196.	1.0	347
3	Dark septate endophytes (DSE) of the Phialocephala fortinii s.l.Ââ€“ Acephala applanata species complex in tree roots: classification, population biology, and ecology. Botany, 2008, 86, 1355-1369.	1.0	156
4	The profusion of dark septate endophytic fungi in nonâ€ectomycorrhizal fine roots of forest trees and shrubs. New Phytologist, 1996, 132, 259-270.	7.3	117
5	Season and Tissue Type Affect Fungal Endophyte Communities of the Indian Medicinal Plant Tinospora cordifolia More Strongly than Geographic Location. Microbial Ecology, 2012, 64, 388-398.	2.8	108
6	Evidence for subdivision of the root-endophyte Phialocephala fortinii into cryptic species and recombination within species. Fungal Genetics and Biology, 2004, 41, 676-687.	2.1	85
7	Nutritional niche overlap potentiates the use of endophytes in biocontrol of a tree disease. BioControl, 2015, 60, 655-667.	2.0	79
8	Fungal Root Endophytes. , 2002, , 887-917.		78
9	Resistance to Dutch Elm Disease Reduces Presence of Xylem Endophytic Fungi in Elms (Ulmus spp.). PLoS ONE, 2013, 8, e56987.	2.5	76
10	No biogeographical pattern for a rootâ€associated fungal species complex. Global Ecology and Biogeography, 2011, 20, 160-169.	5.8	74
11	Negative effects on survival and performance of Norway spruce seedlings colonized by dark septate root endophytes are primarily isolateâ€dependent. Environmental Microbiology, 2011, 13, 2508-2517.	3.8	73
12	Endophytic fungi in twigs of healthy and diseased Norway spruce and white fir. Mycological Research, 1989, 92, 322-326.	2.5	71
13	Assignment of species rank to six reproductively isolated cryptic species of thePhialocephala fortiniis.l.-Acephala applanataspecies complex. Mycologia, 2008, 100, 47-67.	1.9	70
14	Suitability of Quantitative Real-Time PCR To Estimate the Biomass of Fungal Root Endophytes. Applied and Environmental Microbiology, 2010, 76, 5764-5772.	3.1	66
15	Fungal associations of serially washed healthy non-mycorrhizal roots of Picea abies. Mycological Research, 1992, 96, 151-156.	2.5	63
16	Characterisation of dark septate endophytic fungi (DSE) using inter-simple-sequence-repeat-anchored polymerase chain reaction (ISSR-PCR) amplification. Mycological Research, 2001, 105, 24-32.	2.5	62
17	Genetic variability among strains of Phialocephala fortinii and phylogenetic analysis of the genus Phialocephala based on rDNA ITS sequence comparisons. Canadian Journal of Botany, 2002, 80, 1239-1249.	1.1	61
18	Suitability of methods for species recognition in the Phialocephala fortiniiâ€“Acephala applanata species complex using DNA analysis. Fungal Genetics and Biology, 2007, 44, 773-788.	2.1	61

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19	Assemblages of endophytic fungi in coppice shoots ofCastanea sativa. Mycologia, 1994, 86, 648-655.	1.9	58
20	Mycorrhiza Reduces Adverse Effects of Dark Septate Endophytes (DSE) on Growth of Conifers. PLoS ONE, 2012, 7, e42865.	2.5	55
21	Phylogeny of Phaeomollisia piceae gen. sp. nov.: a dark, septate, conifer-needle endophyte and its relationships to Phialocephala and Acephala. Mycological Research, 2009, 113, 207-221.	2.5	53
22	Host species and strain combination determine growth reduction of spruce and birch seedlings colonized by rootâ€associated dark septate endophytes. Environmental Microbiology, 2012, 14, 1064-1076.	3.8	53
23	Effects of endophytic fungi on the ash dieback pathogen. FEMS Microbiology Ecology, 2016, 92, fiw142.	2.7	53
24	Spatial distribution of dark septate endophytes in a confined forest plot. Mycological Research, 2002, 106, 832-840.	2.5	52
25	Population genetic analysis of Phialocephala fortinii s.l. and Acephala applanata in two undisturbed forests in Switzerland and evidence for new cryptic species. Fungal Genetics and Biology, 2006, 43, 410-421.	2.1	52
26	Characterization of Guignardia mangiferae isolated from tropical plants based on morphology, ISSR-PCR amplifications and ITS1â€“5.8S-ITS2 sequences. Mycological Research, 2004, 108, 45-52.	2.5	51
27	Do colonization by dark septate endophytes and elevated temperature affect pathogenicity of oomycetes?. FEMS Microbiology Ecology, 2012, 82, 157-168.	2.7	50
28	The Endophytic Mycobiome of European Ash and Sycamore Maple Leaves â€“ Geographic Patterns, Host Specificity and Influence of Ash Dieback. Frontiers in Microbiology, 2018, 9, 2345.	3.5	48
29	Latent infections of Fomes fomentarius in the xylem of European beech (Fagus sylvatica). Mycological Progress, 2003, 2, 141-148.	1.4	45
30	Monitoring the spatial and temporal dynamics of a community of the treeâ€root endophyte Phialocephala fortinii s.l.. New Phytologist, 2005, 168, 651-660.	7.3	45
31	Diversity of endophytic mycobiota of tropical tree Tectona grandis Linn.f.: Spatiotemporal and tissue type effects. Scientific Reports, 2017, 7, 3745.	3.3	45
32	Dark septate endophytic fungi of native plants along an altitudinal gradient in the Brazilian Atlantic forest. Fungal Ecology, 2016, 20, 202-210.	1.6	43
33	Endophytic mycobiota in bark of European beech (Fagus sylvatica) in the Apennines. Mycological Research, 2002, 106, 1343-1348.	2.5	42
34	Mycobiota in symptomless needles of Pinus mugo ssp. uncinata. Mycological Research, 1999, 103, 306-310.	2.5	40
35	Development of single-copy RFLP markers for population genetic studies of Phialocephala fortinii and closely related taxa. Mycological Research, 2003, 107, 1332-1341.	2.5	39
36	Molecular and phenotypic description of the widespread root symbiontAcephala applanatagen. et sp. nov., formerly known as dark-septate endophyte Type 1. Mycologia, 2005, 97, 628-640.	1.9	37

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37	Structure of Diversity in Dark Septate Endophytes: From Species to Genes. Forestry Sciences, 2011, , 3-30.	0.4	37
38	Communities of fungal endophytes in leaves of Fraxinus ornus are highly diverse. Fungal Ecology, 2017, 29, 10-19.	1.6	36
39	Assemblages of Endophytic Fungi in Coppice Shoots of Castanea sativa. Mycologia, 1994, 86, 648.	1.9	35
40	The ectomycorrhizal morphotype Pinirhiza sclerotia is formed by Acephala macrosclerotiorum sp. nov., a close relative of Phialocephala fortinii. Mycorrhiza, 2009, 19, 481-492.	2.8	34
41	Community structure of Phialocephala fortinii s. lat. in European tree nurseries, and assessment of the potential of the seedlings as dissemination vehicles. Mycological Research, 2008, 112, 650-662.	2.5	29
42	Dark septate hyphomycetes in swiss conifer forest soils surveyed using Norway-spruce seedlings as bait. Soil Biology and Biochemistry, 1998, 30, 1069-1075.	8.8	28
43	Mitigation of antagonistic effects on plant growth due to root coâ€colonization by dark septate endophytes and ectomycorrhiza. Environmental Microbiology Reports, 2013, 5, 892-898.	2.4	28
44	An ecological study about assemblages of endophytic fungi in Acer macrophyllum in British Columbia: in search of candidate mycoherbicides. Canadian Journal of Botany, 1994, 72, 1397-1402.	1.1	23
45	Venturia orni sp. nov., a species distinct from Venturia fraxini, living in the leaves of Fraxinus ornus. Mycological Progress, 2016, 15, 1.	1.4	22
46	Pyrenochaeta ligni-putridi sp. nov., a new coelomycete associated with butt rot of Picea abies in Switzerland. Mycological Research, 1995, 99, 274-276.	2.5	18
47	Spatial and temporal dynamics in the Phialocephala fortinii s.l. â€“ Acephala applanata species complex (PAC). Plant and Soil, 2016, 407, 231-241.	3.7	16
48	Colonisation of leaves and twigs of Rubus parviflorus and R. spectabilis by endophytic fungi in a reforestation site in British Columbia. Mycological Research, 2000, 104, 841-845.	2.5	15
49	Does water availability influence the abundance of species of the Phialocephala fortinii s.l. â€“ Acephala applanata complex (PAC) in roots of pubescent oak (Quercus pubescens) and Scots pine (Pinus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	14
50	Cryptic speciation and community structure of Herpotrichia juniperi, the causal agent of brown felt blight of conifers. Mycological Research, 2009, 113, 887-896.	2.5	13
51	Phylogenetic and phenotypic characterisation of Sirococcus castaneae comb. nov. (synonym Diplodina) Tj ETQq1 1 0.784314 rgBT /Ove	2.5	13
52	Ecological Factors Influencing Norway Spruce Regeneration on Nurse Logs in a Subalpine Virgin Forest. Forests, 2018, 9, 120.	2.1	12
53	Resilience of Phialocephala fortinii s.l. â€“ Acephala applanata communities â€“ Effects of disturbance and strain introduction. Fungal Ecology, 2018, 31, 19-28.	1.6	11
54	Microsatellite-Based Quantification Method to Estimate Biomass of Endophytic Phialocephala Species in Strain Mixtures. Microbial Ecology, 2011, 61, 676-683.	2.8	10

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55	The complete life cycle of Petrakia echinata. Mycological Progress, 2013, 12, 427-435.	1.4	7
56	Competitiveness of endophytic Phialocephala fortinii s.l. â€“ Acephala applanata strains in Norway spruce roots. Fungal Biology, 2018, 122, 345-352.	2.5	7
57	Investigating Host Preference of Root Endophytes of Three European Tree Species, with a Focus on Members of the Phialocephala fortiniiâ€"Acephala applanata Species Complex (PAC). Journal of Fungi (Basel, Switzerland), 2021, 7, 317.	3.5	7
58	Control of pathogenic PAC strains by non-pathogenic PAC strains in planta does not correlate with higher competitiveness of non-pathogenic PAC strains ex planta. Mycological Progress, 2014, 13, 1241.	1.4	4
59	The endophyte Allantophomopsis cytisporea is associated with snow blight on Calluna vulgaris in the Alpsâ€"An effect of climate change?. Arctic, Antarctic, and Alpine Research, 2019, 51, 460-470.	1.1	4
60	Adaptation of subpopulations of the Norway spruce needle endophyte Lophodermium piceae to the temperature regime. Fungal Biology, 2019, 123, 887-894.	2.5	2
61	Aqueous leaf extract of Ligustrum vulgare inhibits ascospore germination and mycelial growth of Hymenoscyphus fraxineus. Forest Pathology, 2021, 51, .	1.1	1