Z Wilhelm De Beer

List of Publications by Year
in descending order

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113 papers	4,482 citations	94433 37 h-index	123424 61 g-index
116 all docs	116 docs citations	116 times ranked	3805 citing authors

#	Article	IF	Citations
1	The Amsterdam Declaration on Fungal Nomenclature. IMA Fungus, 2011, 2, 105-111.	3.8	320
2	Finding needles in haystacks: linking scientific names, reference specimens and molecular data for Fungi. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau061-bau061.	3.0	272
3	Complementary symbiont contributions to plant decomposition in a fungus-farming termite. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14500-14505.	7.1	243
4	Multi-gene phylogenies define Ceratocystiopsis and Grosmannia distinct from Ophiostoma. Studies in Mycology, 2006, 55, 75-97.	7.2	185
5	Destructive Tree Diseases Associated with Ambrosia and Bark Beetles: Black Swan Events in Tree Pathology?. Plant Disease, 2013, 97, 856-872.	1.4	182
6	One fungus, one name promotes progressive plant pathology. Molecular Plant Pathology, 2012, 13, 604-613.	4.2	172
7	Taxonomy and phylogeny of new wood- and soil-inhabitingSporothrixspecies in theOphiostoma stenoceras-Sporothrix schenckiicomplex. Mycologia, 2008, 100, 647-661.	1.9	110
8	Phylogenomic Analysis of a 55.1-kb 19-Gene Dataset Resolves a MonophyleticFusariumthat Includes theFusarium solaniSpecies Complex. Phytopathology, 2021, 111, 1064-1079.	2.2	107
9	Novel and co-evolved associations between insects and microorganisms as drivers of forest pestilence. Biological Invasions, 2016, 18, 1045-1056.	2.4	96
10	Phylogeny of theOphiostoma stenocerasâ€“Sporothrix schenckiicomplex. Mycologia, 2003, 95, 434-441.	1.9	86
11	Associations of Conifer-Infesting Bark Beetles and Fungi in Fennoscandia. Insects, 2012, 3, 200-227.	2.2	79
12	Phylogeny of the Quambalariaceae fam. nov., including important Eucalyptus pathogens in South Africa and Australia. Studies in Mycology, 2006, 55, 289-298.	7.2	78
13	Phylogeny of the Ophiostoma stenoceras: Sporothrix schenckii Complex. Mycologia, 2003, 95, 434.	1.9	70
14	Phylogeny and taxonomy of species in theGrosmannia serpenscomplex. Mycologia, 2012, 104, 715-732.	1.9	67
15	Canker Stain: A Lethal Disease Destroying Iconic Plane Trees. Plant Disease, 2017, 101, 645-658.	1.4	66
16	Natural Products from Actinobacteria Associated with Fungus-Growing Termites. Antibiotics, 2018, 7, 83.	3.7	61
17	Draft genome sequences of Ceratocystis eucalypticola, Chrysoporthe cubensis, C. deuterocubensis, Davidsoniella virescens, Fusarium temperatum, Graphilbum fragrans, Penicillium nordicum, and Thielaviopsis musarum. IMA Fungus, 2015, 6, 493-506.	3.8	57
18	Draft genomes of Amanita jacksonii, Ceratocystis albifundus, Fusarium circinatum, Huntiella omanensis, Leptographium procerum, Rutstroemia sydowiana, and Sclerotinia echinophila. IMA Fungus, 2014, 5, 472-486.	3.8	56

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19	DNA sequence comparisons of Ophiostoma spp., including Ophiostoma aurorae sp. nov., associated with pine bark beetles in South Africa. Studies in Mycology, 2006, 55, 269-277.	7.2	55
20	Phylogeny of the Ophiostoma stenoceras-Sporothrix schenckii complex. Mycologia, 2003, 95, 434-41.	1.9	53
21	Large Shift in Symbiont Assemblage in the Invasive Red Turpentine Beetle. PLoS ONE, 2013, 8, e78126.	2.5	51
22	Novel associations between ophiostomatoid fungi, insects and tree hosts: current statusâ€"future prospects. Biological Invasions, 2017, 19, 3215-3228.	2.4	49
23	DNA Loss at the Ceratocystis fimbriata Mating Locus Results in Self-Sterility. PLoS ONE, 2014, 9, e92180.	2.5	48
24	Characterization of the mating-type genes in Leptographium procerum and Leptographium profanum. Fungal Biology, 2013, 117, 411-421.	2.5	46
25	Phylogeny of ambrosia beetle symbionts in the genus Raffaelea. Fungal Biology, 2014, 118, 970-978.	2.5	46
26	Draft genome sequences of Chrysoporthe austroafricana, Diplodia scrobiculata, Fusarium nygamai, Leptographium lundbergii, Limonomyces culmigenus, Stagonosporopsis tanaceti, and Thielaviopsis punctulata. IMA Fungus, 2015, 6, 233-248.	3.8	46
27	Taxonomy and phylogeny of the Leptographium procerum complex, including Leptographium sinense sp. nov. and Leptographium longiconidiophorum sp. nov.. Antonie Van Leeuwenhoek, 2015, 107, 547-563.	1.7	46
28	Which MAT gene? Pezizomycotina (Ascomycota) mating-type gene nomenclature reconsidered. Fungal Biology Reviews, 2017, 31, 199-211.	4.7	45
29	Ophiostoma gemellusandSporothrix variecibatusfrom mites infestingProteainfructescences in South Africa. Mycologia, 2008, 100, 496-510.	1.9	44
30	Hawksworthiomyces gen. nov. (Ophiostomatales), illustrates the urgency for a decision on how to name novel taxa known only from environmental nucleic acid sequences (ENAS). Fungal Biology, 2016, 120, 1323-1340.	2.5	44
31	Multi-gene phylogeny for Ophiostoma spp. reveals two new species from Protea infructescences. Studies in Mycology, 2006, 55, 199-212.	7.2	43
32	Grosmannia and Leptographium spp. associated with conifer-infesting bark beetles in Finland and Russia, including Leptographium taigense sp. nov.. Antonie Van Leeuwenhoek, 2012, 102, 375-399.	1.7	43
33	Ophiostomatoid fungi associated with conifer-infesting beetles and their phoretic mites in Yunnan, China. MycoKeys, 2017, 28, 19-64.	1.9	43
34	Delimitation of Ophiostoma quercus and its synonyms using multiple gene phylogenies. Mycological Progress, 2009, 8, 221-236.	1.4	42
35	Draft nuclear genome sequence for the plant pathogen, Ceratocystis fimbriata. IMA Fungus, 2013, 4, 357-358.	3.8	42
36	Endophytic Botryosphaeriaceae , including five new species, associated with mangrove trees in South Africa. Fungal Biology, 2017, 121, 361-393.	2.5	42

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37	The Ophiostoma piceae complex in the Southern Hemisphere: a phylogenetic study. Mycological Research, 2003, 107, 469-476.	2.5	40
38	Fungi, including Ophiostoma karelicum sp. nov., associated with Scolytus ratzeburgi infesting birch in Finland and Russia. Mycological Research, 2008, 112, 1475-1488.	2.5	39
39	IMA Genome-F 6. IMA Fungus, 2016, 7, 217-227.	3.8	39
40	Isolation, Biosynthesis and Chemical Modifications of Rubterolones Aâ€“F: Rare Tropolone Alkaloids from Actinomadura sp. 5â€2. Chemistry - A European Journal, 2017, 23, 9338-9345.	3.3	39
41	Two newOphiostomaspecies withSporothrixanamorphs from Austria and Azerbaijan. Mycologia, 2004, 96, 866-878.	1.9	38
42	Ambrosiella beaveri, sp. nov., Associated with an exotic ambrosia beetle, Xylosandrus mutilatus (Coleoptera: Curculionidae, Scolytinae), in Mississippi, USA. Antonie Van Leeuwenhoek, 2009, 96, 17-29.	1.7	38
43	Draft genome of Cercospora zeina, Fusarium pininemorale, Hawksworthiomyces lignivorus, Huntiella decipiens and Ophiostoma ips. IMA Fungus, 2017, 8, 385-396.	3.8	37
44	Draft genome sequence of Annulohypoxylon stygium, Aspergillus mulundensis, Berkeleyomyces basicola (syn. Thielaviopsis basicola), Ceratocystis smalleyi, two Cercospora beticola strains, Coleophoma cylindrospora, Fusarium fracticaudum, Phialophora cf. hyalina, and Morchella septimelata. IMA Fungus, 2018, 9, 199-223.	3.8	37
45	High intercontinental migration rates and population admixture in the sapstain fungus Ophiostoma ips. Molecular Ecology, 2006, 16, 89-99.	3.9	36
46	Bretziella, a new genus to accommodate the oak wilt fungus, Ceratocystis fagacearum (Microascales,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	36
47	Reconsidering species boundaries in theCeratocystis paradoxacomplex, including a new species from oil palm and cacao in Cameroon. Mycologia, 2014, 106, 757-784.	1.9	35
48	Ophiostoma tsotsi sp. nov., A Wound-infesting Fungus of Hardwood Trees in Africa. Mycopathologia, 2010, 169, 413-423.	3.1	31
49	Draft genome sequences for Ceratocystis fagacearum, C. harringtonii, Grosmannia penicillata, and Huntiella bhutanensis. IMA Fungus, 2016, 7, 317-323.	3.8	31
50	Nine draft genome sequences of Claviceps purpurea s.lat., including C. arundinis, C. humidiphila, and C. cf. spartinae, pseudomolecules for the pitch canker pathogen Fusarium circinatum, draft genome of Davidsoniella eucalypti, Grosmannia galeiformis, Quambalaria eucalypti, and Teratosphaeria destructans. IMA Fungus, 2018, 9, 401-418.	3.8	31
51	New species of Ophiostomatales from Scolytinae and Platypodinae beetles in the Cape Floristic Region, including the discovery of the sexual state of Raffaelea. Antonie Van Leeuwenhoek, 2015, 108, 933-950.	1.7	30
52	New Raffaelea species (Ophiostomatales) from the USA and Taiwan associated with ambrosia beetles and plant hosts. IMA Fungus, 2016, 7, 265-273.	3.8	30
53	Characterisation of Ophiostoma species associated with pine bark beetles from Mexico, including O. pulvinisporum sp. nov.. Mycological Research, 2004, 108, 690-698.	2.5	28
54	Names of fungal species with the same epithet applied to different morphs: how to treat them. IMA Fungus, 2013, 4, 53-56.	3.8	28

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55	Fungal associates of the lodgepole pine beetle, Dendroctonus murrayanae. Antonie Van Leeuwenhoek, 2011, 100, 231-244.	1.7	27
56	Lifespan prolonging mechanisms and insulin upregulation without fat accumulation in long-lived reproductives of a higher termite. Communications Biology, 2022, 5, 44.	4.4	27
57	Two New Ophiostoma Species with Sporothrix Anamorphs from Austria and Azerbaijan. Mycologia, 2004, 96, 866.	1.9	26
58	Both mating types in the heterothallic fungus Ophiostoma quercus contain MAT1-1 and MAT1-2 genes. Fungal Biology, 2012, 116, 427-437.	2.5	26
59	Cornuvesica: A little known mycophilic genus with a unique biology and unexpected new species. Fungal Biology, 2015, 119, 615-630.	2.5	22
60	The Ophiostoma clavatum species complex: a newly defined group in the Ophiostomatales including three novel taxa. Antonie Van Leeuwenhoek, 2016, 109, 987-1018.	1.7	22
61	Multigene phylogenies and morphological characterization of five new Ophiostoma spp. associated with spruce-infesting bark beetles in China. Fungal Biology, 2016, 120, 454-470.	2.5	21
62	Euwallacea perbrevis (Coleoptera: Curculionidae: Scolytinae), a confirmed pest on Acacia crassicarpa in Riau, Indonesia, and a new fungal symbiont; Fusarium rekanum sp. nov.. Antonie Van Leeuwenhoek, 2020, 113, 803-823.	1.7	21
63	Bark beetle mycobiome: collaboratively defined research priorities on a widespread insect-fungus symbiosis. Symbiosis, 2020, 81, 101-113.	2.3	20
64	Ophiostoma species (Ophiostomatales, Ascomycota), including two new taxa on eucalypts in Australia. Australian Journal of Botany, 2011, 59, 283.	0.6	20
65	Actinomadura rubteroloni sp. nov. and Actinomadura macrotermitis sp. nov., isolated from the gut of the fungus growing-termite Macrotermes natalensis. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5255-5262.	1.7	20
66	Multigene phylogenies of Ophiostomataceae associated with Monterey pine bark beetles in Spain reveal three new fungal species. Mycologia, 2014, 106, 119-132.	1.9	19
67	Antifungal Streptomyces spp. Associated with the Infructescences of Protea spp. in South Africa. Frontiers in Microbiology, 2016, 7, 1657.	3.5	18
68	Population genetics and symbiont assemblages support opposing invasion scenarios for the red turpentine beetle (Dendroctonus valens). Biological Journal of the Linnean Society, 2016, 118, 486-502.	1.6	18
69	Epitypification of Ophiostoma galeiforme and Phylogeny of Species in the O. galeiforme Complex. Mycologia, 2004, 96, 1306.	1.9	17
70	Natalenamides Aâ€“C, Cyclic Tripeptides from the Termite-Associated Actinomadura sp. RB99. Molecules, 2018, 23, 3003.	3.8	17
71	Draft genome sequences of five Calonectria species from Eucalyptus plantations in China, Celoporthe dispersa, Sporothrix phasma and Alectoria sarmentosa. IMA Fungus, 2019, 10, 22.	3.8	17
72	Comparative Genomics Reveals Prophylactic and Catabolic Capabilities of Actinobacteria within the Fungus-Farming Termite Symbiosis. MSphere, 2021, 6, .	2.9	17

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73	The Termite Fungal CultivarTermitomycesCombines Diverse Enzymes and Oxidative Reactions for Plant Biomass Conversion. MBio, 2021, 12, e0355120.	4.1	16
74	Nocardia macrotermitis sp. nov. and Nocardia aurantia sp. nov., isolated from the gut of the fungus-growing termite Macrotermes natalensis. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5226-5234.	1.7	16
75	Ophiostomatoid fungi including two new fungal species associated with pine root-feeding beetles in northern Spain. Antonie Van Leeuwenhoek, 2014, 106, 1167-1184.	1.7	15
76	Unexpected placement of the MAT1-1-2 gene in the MAT1-2 idiomorph of Thielaviopsis. Fungal Genetics and Biology, 2018, 113, 32-41.	2.1	15
77	Streptomyces smaragdinus sp. nov., isolated from the gut of the fungus growing-termite Macrotermes natalensis. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5806-5811.	1.7	15
78	Fatal Ophiostoma piceae infection in a patient with acute lymphoblastic leukaemia. Journal of Medical Microbiology, 2009, 58, 381-385.	1.8	14
79	Gene Cluster Activation in a Bacterial Symbiont Leads to Halogenated Angucyclic Maduralactomycins and Spirocyclic Actinospirols. Organic Letters, 2020, 22, 2634-2638.	4.6	14
80	Epitypification of Ophiostoma galeiforme and phylogeny of species in the O. galeiforme complex. Mycologia, 2004, 96, 1306-1315.	1.9	13
81	Two new Leptographium spp. reveal an emerging complex of hardwood-infecting species in the Ophiostomatales. Antonie Van Leeuwenhoek, 2017, 110, 1537-1553.	1.7	12
82	Putative origins of the fungus Leptographium procerum. Fungal Biology, 2017, 121, 82-94.	2.5	12
83	GNPSâ€Guided Discovery of Madurastatin Siderophores from the Termiteâ€Associated Actinomadura sp. RB99**. Chemistry - A European Journal, 2022, 28, .	3.3	12
84	Ophiostomatoid fungi associated with mangroves in South Africa, including Ophiostoma palustre sp. nov.. Antonie Van Leeuwenhoek, 2016, 109, 1555-1571.	1.7	10
85	Phylogenetic analyses of Podaxis specimens from Southern Africa reveal hidden diversity and new insights into associations with termites. Fungal Biology, 2016, 120, 1065-1076.	2.5	10
86	Polyhalogenation of Isoflavonoids by the Termite-Associated Actinomadura sp. RB99. Journal of Natural Products, 2020, 83, 3102-3110.	3.0	10
87	Ancestral predisposition toward a domesticated lifestyle in the termite-cultivated fungus Termitomyces. Current Biology, 2021, 31, 4413-4421.e5.	3.9	10
88	Mating type markers reveal high levels of heterothallism in Leptographium sensu lato. Fungal Biology, 2016, 120, 538-546.	2.5	9
89	Draft genome of the fungus-growing termite pathogenic fungus Ophiocordyceps bispora (Ophiocordycipitaceae, Hypocreales, Ascomycota). Data in Brief, 2017, 11, 537-542.	1.0	9
90	The granulate ambrosia beetle, Xylosandrus crassiusculus (Coleoptera: Curculionidae, Scolytinae), and its fungal symbiont found in South Africa . Zootaxa, 2020, 4838, 427-435.	0.5	9

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91	Novel Fusarium mutualists of two Euwallacea species infesting Acacia crassicarpa in Indonesia. Mycologia, 2021, 113, 536-558.	1.9	9
92	Genome reduction and relaxed selection is associated with the transition to symbiosis in the basidiomycete genus Podaxis. IScience, 2021, 24, 102680.	4.1	9
93	Taxonomy and phylogeny of the Leptographium olivaceum complex (Ophiostomatales, Ascomycota), including descriptions of six new species from China and Europe. MycoKeys, 2019, 60, 93-123.	1.9	9
94	Discovery of Ophiostoma tsotsi on Eucalyptus wood chips in China. Mycoscience, 2011, 52, 111-118.	0.8	8
95	Wounds on Rapanea melanophloeos provide habitat for a large diversity of Ophiostomatales including four new species. Antonie Van Leeuwenhoek, 2016, 109, 877-894.	1.7	8
96	Targeted Discovery of Tetrapeptides and Cyclic Polyketideâ€Peptide Hybrids from a Fungal Antagonist of Farming Termites. ChemBioChem, 2020, 21, 2991-2996.	2.6	8
97	A new Ophiostoma species from loblolly pine roots in the southeastern United States. Mycological Progress, 2010, 9, 447-457.	1.4	7
98	Ophiostomatalean fungi associated with wood boring beetles in South Africa including two new species. Antonie Van Leeuwenhoek, 2021, 114, 667-686.	1.7	7
99	Pseudocercospora mapelanensis sp. nov., associated with a fruit and leaf disease of Barringtonia racemosa in South Africa. Australasian Plant Pathology, 2015, 44, 349-359.	1.0	6
100	Ophiostoma quercus: An unusually diverse and globally widespread tree-infecting fungus. Fungal Biology, 2018, 122, 900-910.	2.5	6
101	Ophiostomatoid fungi associated with mites phoretic on bark beetles in Qinghai, China. IMA Fungus, 2020, 11, 15.	3.8	6
102	(362â€“363) Proposals to amend the <I>Code</I> to modify its governance with respect to names of organisms treated as fungi. Taxon, 2016, 65, 918-920.	0.7	5
103	Phylogenetic re-evaluation of the Grosmannia penicillata complex (Ascomycota, Ophiostomatales), with the description of five new species from China and USA. Fungal Biology, 2020, 124, 110-124.	2.5	5
104	Epitypification of Ophiostoma galeiforme and phylogeny of species in the O. galeiforme complex. Mycologia, 2004, 96, 1306-15.	1.9	5
105	An assessment of mangrove diseases and pests in South Africa. Forestry, 2017, , .	2.3	4
106	Biodiversity and ecology of flower-associated actinomycetes in different flowering stages of Protea repens. Antonie Van Leeuwenhoek, 2018, 111, 209-226.	1.7	4
107	Reviewing the taxonomy of Podaxis: Opportunities for understanding extreme fungal lifestyles. Fungal Biology, 2019, 123, 183-187.	2.5	4
108	New ophiostomatoid fungi from wounds on storm-damaged trees in Afromontane forests of the Cape Floristic Region. Mycological Progress, 2020, 19, 81-95.	1.4	4

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109	Comparative Genomic and Metabolic Analysis of Streptomyces sp. RB110 Morphotypes Illuminates Genomic Rearrangements and Formation of a New 46-Membered Antimicrobial Macrolide. ACS Chemical Biology, 2021, 16, 1482-1492.	3.4	4
110	A new species in the Mycosphaerellaceae from Cecidomyiidae leaf galls on Avicennia marina in South Africa. Antonie Van Leeuwenhoek, 2021, 114, 515-526.	1.7	3
111	Phylogenetic and phylogenomic analyses reveal two new genera and three new species of ophiostomatalean fungi from termite fungus combs. Mycologia, 2021, 113, 1-19.	1.9	2
112	Fire impacts bacterial composition in Protea repens (Proteaceae) infructescences. FEMS Microbiology Letters, 2021, 368, .	1.8	1
113	Some outcomes of the Nomenclature Section of the XIXth International Botanical Congress. Bothalia, 2020, 48, .	0.3	0