Tom W May

List of Publications by Year
in descending order

77 papers	10,085 citations	236925 25 h-index	71685 76 g-index
81 all docs	81 docs citations	81 times ranked	12080 citing authors

#	Article	IF	Citations
1	Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker for Fungi. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6241-6246.	7.1	4,012
2	Global diversity and geography of soil fungi. Science, 2014, 346, 1256688.	12.6	2,513
3	Ectomycorrhizal lifestyle in fungi: global diversity, distribution, and evolution of phylogenetic lineages. Mycorrhiza, 2010, 20, 217-263.	2.8	797
4	High-level classification of the Fungi and a tool for evolutionary ecological analyses. Fungal Diversity, 2018, 90, 135-159.	12.3	450
5	FungalTraits: a user-friendly traits database of fungi and fungus-like stramenopiles. Fungal Diversity, 2020, 105, 1-16.	12.3	387
6	Unambiguous identification of fungi: where do we stand and how accurate and precise is fungal DNA barcoding?. IMA Fungus, 2020, 11, 14.	3.8	232
7	Global diversity and distribution of macrofungi. Biodiversity and Conservation, 2007, 16, 37-48.	2.6	184
8	Genetic variation at the alcohol dehydrogenase locus in Drosophila melanogaster in relation to environmental variation: Ethanol levels in breeding sites and allozyme frequencies. Oecologia, 1981, 51, 191-198.	2.0	122
9	The Taxon Hypothesis Paradigmâ€"On the Unambiguous Detection and Communication of Taxa. Microorganisms, 2020, 8, 1910.	3.6	114
10	Mushroom Lectins: Specificity, Structure and Bioactivity Relevant to Human Disease. International Journal of Molecular Sciences, 2015, 16, 7802-7838.	4.1	112
11	Fungal taxonomy and sequence-based nomenclature. Nature Microbiology, 2021, 6, 540-548.	13.3	101
12	How to publish a new fungal species, or name, version 3.0. IMA Fungus, 2021, 12, 11.	3.8	76
13	Phylogeography and Biogeography of Fungi. Mycological Research, 2008, 112, 423-424.	2.5	62
14	Fungi and fire in Australian ecosystems: a review of current knowledge, management implications and future directions. Australian Journal of Botany, 2011, 59, 70.	0.6	62
15	Antibacterial metabolites from Australian macrofungi from the genus Cortinarius. Phytochemistry, 2010, 71, 948-955.	2.9	54
16	Establishment of ectomycorrhizal fungal community on isolated Nothofagus cunninghamii seedlings regenerating on dead wood in Australian wet temperate forests: does fruit-body type matter?. Mycorrhiza, 2009, 19, 403-416.	2.8	40
17	Macrofungal diversity and community ecology in mature and regrowth wet eucalypt forest in Tasmania: A multivariate study. Austral Ecology, 2002, 27, 149-161.	1.5	36
18	Concordance of seven gene genealogies compared to phenotypic data reveals multiple cryptic species in Australian dermocyboid Cortinarius (Agaricales). Molecular Phylogenetics and Evolution, 2014, 71, 249-260.	2.7	36

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19	New species of Tulasnella associated with terrestrial orchids in Australia. IMA Fungus, 2017, 8, 28-47.	3.8	36
20	Taxonomic and functional characterisation of fungi from the Sebacina vermifera complex from common and rare orchids in the genus Caladenia. Mycorrhiza, 2010, 20, 375-390.	2.8	35
21	Chapter F of the International Code of Nomenclature for algae, fungi, and plants as approved by the 11th International Mycological Congress, San Juan, Puerto Rico, July 2018. IMA Fungus, 2019, 10, 21.	3.8	35
22	Multigene sequence data reveal morphologically cryptic phylogenetic species within the genus Laccaria in southern Australia. Mycologia, 2013, 105, 547-563.	1.9	31
23	Using Species Distribution Models For Fungi. Fungal Biology Reviews, 2020, 34, 74-88.	4.7	31
24	Resource Partitioning in Five Domestic Drosophila Species and Its Relationship to Ethanol Metabolism.. Australian Journal of Zoology, 1982, 30, 547.	1.0	30
25	Surrogates for Macrofungi and Mosses in Reservation Planning. Conservation Biology, 2010, 24, 730-736.	4.7	27
26	Disturbance alters the forest soil microbiome. Molecular Ecology, 2022, 31, 419-447.	3.9	27
27	Fire regime, not time-since-fire, affects soil fungal community diversity and composition in temperate grasslands. FEMS Microbiology Letters, 2016, 363, fnw196.	1.8	26
28	Direct and indirect disturbance impacts in forests. Ecology Letters, 2021, 24, 1225-1236.	6.4	25
29	Fungal nomenclature evolving: changes adopted by the 19th International Botanical Congress in Shenzhen 2017, and procedures for the Fungal Nomenclature Session at the 11th International Mycological Congress in Puerto Rico 2018. IMA Fungus, 2017, 8, 211-218.	3.8	24
30	Towards a Natural Classification of Hyphodontia Sensu Lato and the Trait Evolution of Basidiocarps within Hymenochaetales (Basidiomycota). Journal of Fungi (Basel, Switzerland), 2021, 7, 478.	3.5	23
31	Ethanolic and aqueous extracts derived from Australian fungi inhibit cancer cell growth in vitro. Mycologia, 2011, 103, 458-465.	1.9	20
32	Setting scientific names at all taxonomic ranks in italics facilitates their quick recognition in scientific papers. IMA Fungus, 2020, 11, 25.	3.8	20
33	Recognition of the discipline of conservation mycology. Conservation Biology, 2019, 33, 733-736.	4.7	18
34	Seeking the needle in the haystack: Undetectability of mycorrhizal fungi outside of the plant rhizosphere associated with an endangered Australian orchid. Fungal Ecology, 2018, 33, 13-23.	1.6	17
35	Conservation of New Zealand and Australian fungi. New Zealand Journal of Botany, 2003, 41, 407-421.	1.1	16
36	XI International Mycological Congress: report of Congress action on nomenclature proposals relating to fungi. IMA Fungus, 2018, 9, xxii-xxvii.	3.8	14

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37	G2/M cell cycle arrest by an N-acetyl-D-glucosamine specific lectin from Psathyrella asperospora. Glycoconjugate Journal, 2014, 31, 61-70.	2.7	13
38	Population genetic structure of the ectomycorrhizal fungus Laccaria sp . A resembles that of its host tree Nothofagus cunninghamii. Fungal Ecology, 2015, 13, 23-32.	1.6	13
39	Comparative Study of Hemagglutination and Lectin Activity in Australian Medicinal Mushrooms (Higher Basidiomycetes). International Journal of Medicinal Mushrooms, 2011, 13, 493-504.	1.5	12
40	Rediscovering an old foe: Optimised molecular methods for DNA extraction and sequencing applications for fungarium specimens of powdery mildew (Erysiphales). PLoS ONE, 2020, 15, e0232535.	2.5	11
41	Competing sexual-asexual generic names in Agaricomycotina (Basidiomycota) with recommendations for use. IMA Fungus, 2021, 12, 22.	3.8	11
42	Where are the short-range endemics among Western Australian macrofungi?. Australian Systematic Botany, 2002, 15, 501.	0.9	10
43	Biophysical characterization and structural determination of the potent cytotoxicPsathyrella asperosporalectin. Proteins: Structure, Function and Bioinformatics, 2017, 85, 969-975.	2.6	10
44	Biogeography of the Ectomycorrhizal Mushroom Genus Laccaria. Ecological Studies, 2017, , 273-297.	1.2	10
45	New species of Tulasnella associated with Australian terrestrial orchids in the Cryptostylidinae and Drakaeinae. Mycologia, 2021, 113, 212-230.	1.9	9
46	Dating the emergence of truffle-like fungi in Australia, by using an augmented meta-analysis. Australian Systematic Botany, 2016, 29, 284.	0.9	8
47	Delving into the dark ecology: A continent-wide assessment of patterns of composition in soil fungal communities from Australian tussock grasslands. Fungal Ecology, 2019, 39, 356-370.	1.6	8
48	Worldwide diversity of endophytic fungi and insects associated with dormant tree twigs. Scientific Data, 2022, 9, 62.	5.3	8
49	Seven new Serendipita species associated with Australian terrestrial orchids. Mycologia, 2021, 113, 1-20.	1.9	7
50	Documenting the fungal biodiversity of Australasia: from 1800 to 2000 and beyond. Australian Systematic Botany, 2001, 14, 329.	0.9	6
51	Trichomycins A and B:â€‰ Antibacterial Triterpenes from the New Species Tricholoma sp. AU1. Journal of Natural Products, 2005, 68, 409-412.	3.0	6
52	(286) Proposal to replace Division III of the International Code of Nomenclature for algae, fungi, and plants. Taxon, 2016, 65, 661-664.	0.7	6
53	Rediscovery of Multifurca stenophylla (Berk.) T.Lebel, C.W.Dunk & T.W.May comb. nov. (Russulaceae) from Australia. Mycological Progress, 2013, 12, 497-504.	1.4	5
54	Report of the Special Subcommittee on Governance of the <I>Code</I> with Respect to Fungi. Taxon, 2016, 65, 921-925.	0.7	5

#	Article	IF	Citations
55	Report of the Special Committee on By-laws for the Nomenclature Section. Taxon, 2016, 65, 665-669.	0.7	5
56	(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
57	Synopsis of proposals on fungal nomenclature: a review of the proposals concerning Chapter F of the International Code of Nomenclature for algae, fungi, and plants submitted to the XI International Mycological Congress, 2018. IMA Fungus, 2018, 9, ix-xiv.	3.8	5
58	Molecular data from up to 130â€yearâ€old herbarium specimens do not support the presence of cherry powdery mildew in Australia. Plant Pathology, 2021, 70, 689-698.	2.4	5
59	Enhancing repository fungal data for biogeographic analyses. Fungal Ecology, 2021, 53, 101097.	1.6	5
60	The status of names and records of Australian macrofungi. New Zealand Journal of Botany, 2003, 41, 379-389.	1.1	4
61	Report of the Nomenclature Committee for Fungi: 20. Taxon, 2017, 66, 483-495.	0.7	4
62	International Mycological Congress: Guiding Vote on nomenclature proposals to amend Chapter F of the International Code of Nomenclature for algae, fungi, and plants. IMA Fungus, 2018, 9, xv-xxi.	3.8	4
63	New species ofTulasnellaassociated with Australian terrestrial orchids in the subtribes Megastylidinae and Thelymitrinae. Mycologia, 2022, 114, 388-412.	1.9	4
64	Phaeolus schweinitzii in Australia. Australasian Plant Pathology, 2002, 31, 99.	1.0	3
65	Austrocolorone B and austrocolorin B1, cytotoxic anthracenone dimers from the Tasmanian mushroom Cortinarius vinosipes Gasparini. Tetrahedron Letters, 2011, 52, 5448-5451.	1.4	3
66	Mitochondrial Microsatellite Markers for the Australian Ectomycorrhizal Fungus Laccaria sp. A (Hydnangiaceae). Applications in Plant Sciences, 2014, 2, 1300086.	2.1	3
67	Report of the Nomenclature Committee for Fungi: 21 â€“ Lists from working groups. Taxon, 2017, 66, 496-499.	0.7	3
68	ï»¿Redelimitation of Heteroradulum (Auriculariales, Basidiomycota) with H. australiense sp. nov.. MycoKeys, 2022, 86, 87-101.	1.9	3
69	Nomenclature â€” Formal reports, proposals, and opinion. Mycotaxon, 2010, 111, 501-520.	0.3	2
70	Procedures and timetable for proposals to amend Chapter F of the International Code of Nomenclature for algae, fungi, and plants. IMA Fungus, 2020, 11, 21.	3.8	2
71	Brahmaculus gen. nov. (Leotiomycetes, Chlorociboriaceae). MycoKeys, 2021, 80, 19-43.	1.9	2
72	Preface to 'Biodiversity and biogeography of Australian fungi'. Australian Systematic Botany, 2001, 14, I.	0.9	2

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73	Re-Evaluation of the Podosphaera tridactyla Species Complex in Australia. Journal of Fungi (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.5	1
74	DNA barcode analyses improve accuracy in fungal species distribution models. Ecology and Evolution, 2021, 11, 8993-9009.	1.9	1
75	Use of Target Species in Citizen Science Fungi Recording Schemes. Biodiversity Information Science and Standards, 0, 5, .	0.0	1
76	Introducing the Australian Journal of Taxonomy, a new, fully-online, fully open-access journal for the rapid publication of new Australian species and other taxa. , 0, 1, 1-7.		1
77	The safety of edible fungi purchased at Melbourne markets. Australian and New Zealand Journal of Public Health, 2006, 30, 279-280.	1.8	0