

Conrad L Schoch

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

20,167
citations

51
h-index

93
g-index

93
ext. papers

25,068
ext. citations

7.8
avg. IF

5.65
L-index

#	Paper	IF	Citations
87	Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker for Fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6241-6	11.5	2981
86	Reference sequence (RefSeq) database at NCBI: current status, taxonomic expansion, and functional annotation. <i>Nucleic Acids Research</i> , 2016 , 44, D733-45	20.1	2530
85	A higher-level phylogenetic classification of the Fungi. <i>Mycological Research</i> , 2007 , 111, 509-47		1630
84	Reconstructing the early evolution of Fungi using a six-gene phylogeny. <i>Nature</i> , 2006 , 443, 818-22	50.4	1392
83	The revised classification of eukaryotes. <i>Journal of Eukaryotic Microbiology</i> , 2012 , 59, 429-93	3.6	1118
82	Genome sequencing and analysis of the biomass-degrading fungus <i>Trichoderma reesei</i> (syn. <i>Hypocrea jecorina</i>). <i>Nature Biotechnology</i> , 2008 , 26, 553-60	44.5	920
81	Assembling the fungal tree of life: progress, classification, and evolution of subcellular traits. <i>American Journal of Botany</i> , 2004 , 91, 1446-80	2.7	640
80	The Ascomycota tree of life: a phylum-wide phylogeny clarifies the origin and evolution of fundamental reproductive and ecological traits. <i>Systematic Biology</i> , 2009 , 58, 224-39	8.4	480
79	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. <i>Journal of Eukaryotic Microbiology</i> , 2019 , 66, 4-119	3.6	477
78	A class-wide phylogenetic assessment of Dothideomycetes. <i>Studies in Mycology</i> , 2009 , 64, 1-15S10	22.2	423
77	Diverse lifestyles and strategies of plant pathogenesis encoded in the genomes of eighteen Dothideomycetes fungi. <i>PLoS Pathogens</i> , 2012 , 8, e1003037	7.6	387
76	Effector diversification within compartments of the <i>Leptosphaeria maculans</i> genome affected by Repeat-Induced Point mutations. <i>Nature Communications</i> , 2011 , 2, 202	17.4	354
75	Database resources of the National Center for Biotechnology Information. <i>Nucleic Acids Research</i> , 2019 , 47, D23-D28	20.1	301
74	A multigene phylogeny of the Dothideomycetes using four nuclear loci. <i>Mycologia</i> , 2006 , 98, 1041-1052	2.4	298
73	Contributions of <i>rpb2</i> and <i>tef1</i> to the phylogeny of mushrooms and allies (Basidiomycota, Fungi). <i>Molecular Phylogenetics and Evolution</i> , 2007 , 43, 430-51	4.1	264
72	A five-gene phylogeny of Pezizomycotina. <i>Mycologia</i> , 2006 , 98, 1018-1028	2.4	255
71	Phylogenetic lineages in the Capnodiales. <i>Studies in Mycology</i> , 2009 , 64, 17-47S7	22.2	246

70	NCBI Taxonomy: a comprehensive update on curation, resources and tools. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	235
69	A multigene phylogeny of the Dothideomycetes using four nuclear loci. <i>Mycologia</i> , 2006 , 98, 1041-52	2.4	231
68	An overview of the systematics of the Sordariomycetes based on a four-gene phylogeny. <i>Mycologia</i> , 2006 , 98, 1076-1087	2.4	227
67	Pleosporales. <i>Fungal Diversity</i> , 2012 , 53, 1-221	17.6	222
66	Multi-locus phylogeny of Pleosporales: a taxonomic, ecological and evolutionary re-evaluation. <i>Studies in Mycology</i> , 2009 , 64, 85-102S5	22.2	221
65	Dothideomycete plant interactions illuminated by genome sequencing and EST analysis of the wheat pathogen <i>Stagonospora nodorum</i> . <i>Plant Cell</i> , 2007 , 19, 3347-68	11.6	205
64	A multigene phylogenetic synthesis for the class Lecanoromycetes (Ascomycota): 1307 fungi representing 1139 infrageneric taxa, 317 genera and 66 families. <i>Molecular Phylogenetics and Evolution</i> , 2014 , 79, 132-68	4.1	203
63	New insights into classification and evolution of the Lecanoromycetes (Pezizomycotina, Ascomycota) from phylogenetic analyses of three ribosomal RNA- and two protein-coding genes. <i>Mycologia</i> , 2006 , 98, 1088-1103	2.4	200
62	Finding needles in haystacks: linking scientific names, reference specimens and molecular data for Fungi. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014,	5	199
61	International Society of Human and Animal Mycology (ISHAM)-ITS reference DNA barcoding database--the quality controlled standard tool for routine identification of human and animal pathogenic fungi. <i>Medical Mycology</i> , 2015 , 53, 313-37	3.9	195
60	A five-gene phylogeny of Pezizomycotina. <i>Mycologia</i> , 2006 , 98, 1018-28	2.4	192
59	An overview of the systematics of the Sordariomycetes based on a four-gene phylogeny. <i>Mycologia</i> , 2006 , 98, 1076-87	2.4	160
58	Phylogeny of rock-inhabiting fungi related to Dothideomycetes. <i>Studies in Mycology</i> , 2009 , 64, 123-133S7	2.2	154
57	Using average nucleotide identity to improve taxonomic assignments in prokaryotic genomes at the NCBI. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018 , 68, 2386-2392	2.2	140
56	Eurotiomycetes: Eurotiomycetidae and Chaetothyriomycetidae. <i>Mycologia</i> , 2006 , 98, 1053-64	2.4	138
55	Evolution of helotialean fungi (Leotiomycetes, Pezizomycotina): a nuclear rDNA phylogeny. <i>Molecular Phylogenetics and Evolution</i> , 2006 , 41, 295-312	4.1	137
54	Five simple guidelines for establishing basic authenticity and reliability of newly generated fungal ITS sequences. <i>MycoKeys</i> , 2012 , 4, 37-63	2.4	126
53	New insights into classification and evolution of the Lecanoromycetes (Pezizomycotina, Ascomycota) from phylogenetic analyses of three ribosomal RNA- and two protein-coding genes. <i>Mycologia</i> , 2006 , 98, 1088-1103	2.4	126

52	Mycobank gearing up for new horizons. <i>IMA Fungus</i> , 2013 , 4, 371-9	6.8	117
51	Detection and identification of fungi intimately associated with the brown seaweed <i>Fucus serratus</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 931-41	4.8	113
50	Filling gaps in biodiversity knowledge for macrofungi: contributions and assessment of an herbarium collection DNA barcode sequencing project. <i>PLoS ONE</i> , 2013 , 8, e62419	3.7	112
49	Transposable element-assisted evolution and adaptation to host plant within the <i>Leptosphaeria maculans</i> - <i>Leptosphaeria biglobosa</i> species complex of fungal pathogens. <i>BMC Genomics</i> , 2014 , 15, 891	4.5	111
48	Sequence-based classification and identification of Fungi. <i>Mycologia</i> , 2016 , 108, 1049-1068	2.4	111
47	Unambiguous identification of fungi: where do we stand and how accurate and precise is fungal DNA barcoding?. <i>IMA Fungus</i> , 2020 , 11, 14	6.8	101
46	Capnodiaceae. <i>Fungal Diversity</i> , 2011 , 51, 103-134	17.6	93
45	A phylogenomic analysis of the Ascomycota. <i>Fungal Genetics and Biology</i> , 2006 , 43, 715-25	3.9	92
44	A molecular phylogenetic reappraisal of the Hysteriaceae, Mytiliniaceae and Gloniaceae (Pleosporomycetidae, Dothideomycetes) with keys to world species. <i>Studies in Mycology</i> , 2009 , 64, 49-83	22.2	76
43	Eurotiomycetes: Eurotiomycetidae and Chaetothyriomycetidae. <i>Mycologia</i> , 2006 , 98, 1053-1064	2.4	76
42	A molecular, morphological and ecological re-appraisal of Venturiales-a new order of Dothideomycetes. <i>Fungal Diversity</i> , 2011 , 51, 249-277	17.6	74
41	A reappraisal of Microthyriaceae. <i>Fungal Diversity</i> , 2011 , 51, 189-248	17.6	73
40	Scaling up discovery of hidden diversity in fungi: impacts of barcoding approaches. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	61
39	GenBank. <i>Nucleic Acids Research</i> , 2021 , 49, D92-D96	20.1	59
38	On the evolution of the Hysteriaceae and Mytiliniaceae (Pleosporomycetidae, Dothideomycetes, Ascomycota) using four nuclear genes. <i>Mycological Research</i> , 2009 , 113, 461-79		55
37	A complete inventory of fungal kinesins in representative filamentous ascomycetes. <i>Fungal Genetics and Biology</i> , 2003 , 39, 1-15	3.9	53
36	Homologs of ToxB, a host-selective toxin gene from <i>Pyrenophora tritici-repentis</i> , are present in the genome of sister-species <i>Pyrenophora bromi</i> and other members of the Ascomycota. <i>Fungal Genetics and Biology</i> , 2008 , 45, 363-77	3.9	50
35	The Genera of Fungi: fixing the application of type species of generic names. <i>IMA Fungus</i> , 2014 , 5, 141-66	6.8	49

34	The <i>Cylindrocladium candelabrum</i> species complex includes four distinct mating populations. <i>Mycologia</i> , 1999 , 91, 286-298	2.4	48
33	Testing the phylogenetic utility of MCM7 in the Ascomycota. <i>MycKeys</i> , 2011 , 1, 63-94	2.4	46
32	Geoglossomycetes cl. nov., Geoglossales ord. nov. and taxa above class rank in the Ascomycota Tree of Life. <i>Persoonia: Molecular Phylogeny and Evolution of Fungi</i> , 2009 , 22, 129-38	9	44
31	Phylogenetic placement of the ectomycorrhizal genus <i>Cenococcum</i> in Gloniaceae (Dothideomycetes). <i>Mycologia</i> , 2012 , 104, 758-65	2.4	32
30	The halotolerant fungus <i>Glomerobolus gelineus</i> is a member of the Ostropales. <i>Mycological Research</i> , 2006 , 110, 257-63		32
29	Species concepts in the <i>Cylindrocladium floridanum</i> and <i>Cy. spathiphylli</i> complexes (Hypocreaceae) based on multi-allelic sequence data, sexual compatibility and morphology. <i>Systematic and Applied Microbiology</i> , 2001 , 24, 206-17	4.2	32
28	Fungal taxonomy and sequence-based nomenclature. <i>Nature Microbiology</i> , 2021 , 6, 540-548	26.6	32
27	Marine fungal lineages in the Hypocreomycetidae. <i>Mycological Research</i> , 2007 , 111, 154-62		29
26	The <i>Cylindrocladium candelabrum</i> Species Complex Includes Four Distinct Mating Populations. <i>Mycologia</i> , 1999 , 91, 286	2.4	29
25	Phylogenetic relationships of <i>Cylindrocladium pseudogracile</i> and <i>Cylindrocladium rumohrae</i> with morphologically similar taxa, based on morphology and DNA sequences of internal transcribed spacers and beta-tubulin. <i>Canadian Journal of Botany</i> , 1999 , 77, 1813-1820		29
24	Deletion of all <i>Cochliobolus heterostrophus</i> monofunctional catalase-encoding genes reveals a role for one in sensitivity to oxidative stress but none with a role in virulence. <i>Molecular Plant-Microbe Interactions</i> , 2003 , 16, 1013-21	3.6	27
23	Phylogeny of <i>Calonectria</i> based on comparisons of β -tubulin DNA sequences. <i>Mycological Research</i> , 2001 , 105, 1045-1052		27
22	Meeting report: fungal ITS workshop (October 2012). <i>Standards in Genomic Sciences</i> , 2013 , 8, 118-23		26
21	How to publish a new fungal species, or name, version 3.0. <i>IMA Fungus</i> , 2021 , 12, 11	6.8	26
20	Hypogymnia phylogeny, including Cavernularia, reveals biogeographic structure. <i>Bryologist</i> , 2011 , 114, 392	0.7	24
19	Improving taxonomic accuracy for fungi in public sequence databases: applying one name one species to well-defined genera with <i>Trichoderma</i> / <i>Hypocrea</i> as a test case. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	21
18	GenBank. <i>Nucleic Acids Research</i> , 2021 ,	20.1	20
17	The NCBI BioCollections Database. <i>Database: the Journal of Biological Databases and Curation</i> , 2018 , 2018,	5	18

16	Female Fertility and Single Nucleotide Polymorphism Comparisons in <i>Cylindrocladium pauciramosum</i> . <i>Plant Disease</i> , 2001 , 85, 941-946	1.5	16
15	<i>Dolabra nepheliae</i> on rambutan and lychee represents a novel lineage of phytopathogenic Eurotiomycetes. <i>Mycoscience</i> , 2010 , 51, 300-309	1.2	15
14	Recombination in <i>Calonectria morganii</i> and phylogeny with other heterothallic small-spored <i>Calonectria</i> species. <i>Mycologia</i> , 2000 , 92, 665-673	2.4	14
13	An overview of the genus <i>Glyphium</i> and its phylogenetic placement in Patellariales. <i>Mycologia</i> , 2015 , 107, 607-18	2.4	12
12	Recombination in <i>Calonectria morganii</i> and Phylogeny with Other Heterothallic Small-Spored <i>Calonectria</i> Species. <i>Mycologia</i> , 2000 , 92, 665	2.4	10
11	<i>Hypogymnia minilobata</i> (Parmeliaceae), a new lichen from coastal California. <i>Bryologist</i> , 2009 , 112, 94-100	7	9
10	Using standard keywords in publications to facilitate updates of new fungal taxonomic names. <i>IMA Fungus</i> , 2017 , 8, A70-A73	6.8	7
9	Geographic, climatic, and chemical differentiation in the <i>Hypogymnia imshaugii</i> species complex (Lecanoromycetes, Parmeliaceae) in North America. <i>Bryologist</i> , 2011 , 114, 526	0.7	7
8	A <i>Saccharomyces cerevisiae</i> mutant defective in the kinesin-like protein Kar3 is sensitive to NaCl-stress. <i>Current Genetics</i> , 1997 , 32, 315-22	2.9	6
7	First report of <i>Cylindrocladium</i> root and petiole rot of <i>Spathiphyllum</i> in South Africa. <i>South African Journal of Botany</i> , 1999 , 65, 208-211	2.9	6
6	Species Identification in Plant-Associated Prokaryotes and Fungi Using DNA.. <i>Phytobiomes Journal</i> , 2020 , 4, 103-114	4.8	6
5	<i>Cylindrocladium angustatum</i> sp. nov., a new leaf spot pathogen of <i>Tillandsia capitata</i> from Florida, U.S.A. <i>Mycoscience</i> , 2000 , 41, 521-526	1.2	5
4	6 Pezizomycotina: Dothideomycetes and Arthoniomycetes 2015 , 143-176		3
3	Ribovore: ribosomal RNA sequence analysis for GenBank submissions and database curation. <i>BMC Bioinformatics</i> , 2021 , 22, 400	3.6	2
2	Publicly Available and Validated DNA Reference Sequences Are Critical to Fungal Identification and Global Plant Protection Efforts: A Use-Case in .. <i>Plant Disease</i> , 2022 , PDIS09212083SR	1.5	1
1	Phylogenetic relationships of <i>Cylindrocladium pseudogracele</i> and <i>Cylindrocladium rumohrae</i> with morphologically similar taxa, based on morphology and DNA sequences of internal transcribed spacers and beta-tubulin. <i>Canadian Journal of Botany</i> , 2000 , 77, 1813-1820		0