Conrad L Schoch

List of Publications by Year
in descending order

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87 papers	28,656 citations	30070 54 h-index	48315 88 g-index
93 all docs	93 docs citations	93 times ranked	30769 citing authors

#	Article	IF	Citations
1	Reference sequence (RefSeq) database at NCBI: current status, taxonomic expansion, and functional annotation. Nucleic Acids Research, 2016, 44, D733-D745.	14.5	4,739
2	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
3	A higher-level phylogenetic classification of the Fungi. Mycological Research, 2007, 111, 509-547.	2.5	1,994
4	Reconstructing the early evolution of Fungi using a six-gene phylogeny. Nature, 2006, 443, 818-822.	27.8	1,625
5	The Revised Classification of Eukaryotes. Journal of Eukaryotic Microbiology, 2012, 59, 429-514.	1.7	1,340
6	Genome sequencing and analysis of the biomass-degrading fungus Trichoderma reesei (syn. Hypocrea) Tj ETQq0 0 0 rgBT /Overlock 10 T	17.5	1,116
7	NCBI Taxonomy: a comprehensive update on curation, resources and tools. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	3.0	925
8	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. Journal of Eukaryotic Microbiology, 2019, 66, 4-119.	1.7	904
9	Assembling the fungal tree of life: progress, classification, and evolution of subcellular traits. American Journal of Botany, 2004, 91, 1446-1480.	1.7	718
10	Diverse Lifestyles and Strategies of Plant Pathogenesis Encoded in the Genomes of Eighteen Dothideomycetes Fungi. PLoS Pathogens, 2012, 8, e1003037.	4.7	595
11	The Ascomycota Tree of Life: A Phylum-wide Phylogeny Clarifies the Origin and Evolution of Fundamental Reproductive and Ecological Traits. Systematic Biology, 2009, 58, 224-239.	5.6	581
12	A class-wide phylogenetic assessment of Dothideomycetes. Studies in Mycology, 2009, 64, 1-15.	7.2	540
13	Database resources of the National Center for Biotechnology Information. Nucleic Acids Research, 2019, 47, D23-D28.	14.5	502
14	Effector diversification within compartments of the Leptosphaeria maculans genome affected by Repeat-Induced Point mutations. Nature Communications, 2011, 2, 202.	12.8	481
15	A multigene phylogeny of the Dothideomycetes using four nuclear loci. Mycologia, 2006, 98, 1041-1052.	1.9	388
16	Contributions of rpb2 and tef1 to the phylogeny of mushrooms and allies (Basidiomycota, Fungi). Molecular Phylogenetics and Evolution, 2007, 43, 430-451.	2.7	341
17	Using average nucleotide identity to improve taxonomic assignments in prokaryotic genomes at the NCBI. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 2386-2392.	1.7	337
18	Phylogenetic lineages in the Capnodiales. Studies in Mycology, 2009, 64, 17-47.	7.2	305

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19	A five-gene phylogeny of Pezizomycotina. Mycologia, 2006, 98, 1018-1028.	1.9	283
20	Pleosporales. Fungal Diversity, 2012, 53, 1-221.	12.3	282
21	A five-gene phylogeny of Pezizomycotina. Mycologia, 2006, 98, 1018-1028.	1.9	280
22	An overview of the systematics of the Sordariomycetes based on a four-gene phylogeny. Mycologia, 2006, 98, 1076-1087.	1.9	275
23	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
24	A multigene phylogeny of the Dothideomycetes using four nuclear loci. Mycologia, 2006, 98, 1041-1052.	1.9	269
25	Multi-locus phylogeny of Pleosporales: a taxonomic, ecological and evolutionary re-evaluation. Studies in Mycology, 2009, 64, 85-102.	7.2	258
26	International Society of Human and Animal Mycology (ISHAM)-ITS reference DNA barcoding databaseâ€"the quality controlled standard tool for routine identification of human and animal pathogenic fungi. Medical Mycology, 2015, 53, 313-337.	0.7	252
27	A multigene phylogenetic synthesis for the class Lecanoromycetes (Ascomycota): 1307 fungi representing 1139 infrageneric taxa, 317 genera and 66 families. Molecular Phylogenetics and Evolution, 2014, 79, 132-168.	2.7	248
28	Dothideomyceteâ€"Plant Interactions Illuminated by Genome Sequencing and EST Analysis of the Wheat Pathogen Stagonospora nodorum. Plant Cell, 2007, 19, 3347-3368.	6.6	235
29	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
30	New insights into classification and evolution of the Lecanoromycetes (Pezizomycotina, Ascomycota) from phylogenetic analyses of three ribosomal RNA- and two protein-coding genes. Mycologia, 2006, 98, 1088-1103.	1.9	227
31	An overview of the systematics of the Sordariomycetes based on a four-gene phylogeny. Mycologia, 2006, 98, 1076-1087.	1.9	212
32	Phylogeny of rock-inhabiting fungi related to Dothideomycetes. Studies in Mycology, 2009, 64, 123-133.	7.2	202
33	GenBank. Nucleic Acids Research, 2021, 49, D92-D96.	14.5	199
34	Transposable element-assisted evolution and adaptation to host plant within the Leptosphaeria maculans-Leptosphaeria biglobosa species complex of fungal pathogens. BMC Genomics, 2014, 15, 891.	2.8	189
35	MycoBank gearing up for new horizons. IMA Fungus, 2013, 4, 371-379.	3.8	170
36	Evolution of helotialean fungi (Leotiomycetes, Pezizomycotina): A nuclear rDNA phylogeny. Molecular Phylogenetics and Evolution, 2006, 41, 295-312.	2.7	165

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37	Filling Gaps in Biodiversity Knowledge for Macrofungi: Contributions and Assessment of an Herbarium Collection DNA Barcode Sequencing Project. PLoS ONE, 2013, 8, e62419.	2.5	164
38	Detection and Identification of Fungi Intimately Associated with the Brown SeaweedFucus serratus. Applied and Environmental Microbiology, 2008, 74, 931-941.	3.1	161
39	Eurotiomycetes: Eurotiomycetidae and Chaetothyriomycetidae. Mycologia, 2006, 98, 1053-1064.	1.9	158
40	Five simple guidelines for establishing basic authenticity and reliability of newly generated fungal ITS sequences. MycoKeys, 0, 4, 37-63.	1.9	157
41	Sequence-based classification and identification of Fungi. Mycologia, 2016, 108, 1049-1068.	1.9	154
42	New insights into classification and evolution of the Lecanoromycetes (Pezizomycotina, Ascomycota) from phylogenetic analyses of three ribosomal RNA- and two protein-coding genes. Mycologia, 2006, 98, 1088-1103.	1.9	140
43	A phylogenomic analysis of the Ascomycota. Fungal Genetics and Biology, 2006, 43, 715-725.	2.1	128
44	GenBank. Nucleic Acids Research, 2022, 50, D161-D164.	14.5	119
45	Capnodiaceae. Fungal Diversity, 2011, 51, 103-134.	12.3	108
46	Fungal taxonomy and sequence-based nomenclature. Nature Microbiology, 2021, 6, 540-548.	13.3	101
47	A molecular, morphological and ecological re-appraisal of Venturialesâ€•a new order of Dothideomycetes. Fungal Diversity, 2011, 51, 249-277.	12.3	96
48	A reappraisal of Microthyriaceae. Fungal Diversity, 2011, 51, 189-248.	12.3	95
49	A molecular phylogenetic reappraisal of the Hysteriaceae, Mytilinidiaceae and Gloniaceae (Pleosporomycetidae, Dothideomycetes) with keys to world species. Studies in Mycology, 2009, 64, 49-83.	7.2	93
50	Eurotiomycetes: Eurotiomycetidae and Chaetothyriomycetidae. Mycologia, 2006, 98, 1053-1064.	1.9	91
51	Scaling up discovery of hidden diversity in fungi: impacts of barcoding approaches. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150336.	4.0	84
52	How to publish a new fungal species, or name, version 3.0. IMA Fungus, 2021, 12, 11.	3.8	76
53	On the evolution of the Hysteriaceae and Mytilinidiaceae (Pleosporomycetidae, Dothideomycetes,) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	68
54	Homologs of ToxB, a host-selective toxin gene from Pyrenophora tritici-repentis, are present in the genome of sister-species Pyrenophora bromi and other members of the Ascomycota. Fungal Genetics and Biology, 2008, 45, 363-377.	2.1	66

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55	Phylogenetic placement of the ectomycorrhizal genus Cenococcum in Gloniaceae (Dothideomycetes). Mycologia, 2012, 104, 758-765.	1.9	61
56	Testing the phylogenetic utility of MCM7 in the Ascomycota. MycoKeys, 2011, 1, 63-94.	1.9	58
57	<I>Geoglossomycetes</I> cl. nov., <I>Geoglossales</I> ord. nov. and taxa above class rank in the <I>Ascomycota</I> Tree of Life. Persoonia: Molecular Phylogeny and Evolution of Fungi, 2009, 22, 129-138.	4.4	55
58	TheCylindrocladium candelabrumspecies complex includes four distinct mating populations. Mycologia, 1999, 91, 286-298.	1.9	54
59	A complete inventory of fungal kinesins in representative filamentous ascomycetes. Fungal Genetics and Biology, 2003, 39, 1-15.	2.1	54
60	The Genera of Fungi: fixing the application of type species of generic names. IMA Fungus, 2014, 5, 141-160.	3.8	54
61	Species Concepts in the Cylindrocladium floridanum and Cy. spathiphylli Complexes (Hypocreaceae) Based on Multi-allelic Sequence Data, Sexual Compatibility and Morphology. Systematic and Applied Microbiology, 2001, 24, 206-217.	2.8	44
62	The NCBI BioCollections Database. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	43
63	The Cylindrocladium candelabrum Species Complex Includes Four Distinct Mating Populations. Mycologia, 1999, 91, 286.	1.9	42
64	The halotolerant fungus Glomerobolus gelineus is a member of the Ostropales. Mycological Research, 2006, 110, 257-263.	2.5	35
65	Meeting Report: Fungal ITS Workshop (October 2012). Standards in Genomic Sciences, 2013, 8, 118-123.	1.5	34
66	Phylogenetic relationships of Cylindrocladium pseudogracile and Cylindrocladium rumohrae with morphologically similar taÃ—a, based on morphology and DNA sequences of internal transcribed spacers and beta-tubulin. Canadian Journal of Botany, 1999, 77, 1813-1820.	1.1	32
67	Phylogeny of Calonectria based on comparisons of Î²-tubulin DNA sequences. Mycological Research, 2001, 105, 1045-1052.	2.5	30
68	Marine fungal lineages in the Hypocreomycetidae. Mycological Research, 2007, 111, 154-162.	2.5	29
69	Deletion of all Cochliobolus heterostrophus Monofunctional Catalase-Encoding Genes Reveals a Role for One in Sensitivity to Oxidative Stress but None with a Role in Virulence. Molecular Plant-Microbe Interactions, 2003, 16, 1013-1021.	2.6	28
70	Improving taxonomic accuracy for fungi in public sequence databases: applying â€˜one name one speciesâ€™ in well-defined genera with Trichoderma/Hypocrea as a test case. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	3.0	28
71	Hypogymnia phylogeny, including Cavernularia, reveals biogeographic structure. Bryologist, 2011, 114, 392.	0.6	27
72	Female Fertility and Single Nucleotide Polymorphism Comparisons in Cylindrocladium pauciramosum. Plant Disease, 2001, 85, 941-946.	1.4	20

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73	Recombination in Calonectria morganii and Phylogeny with Other Heterothallic Small-Spored Calonectria Species. Mycologia, 2000, 92, 665.	1.9	16
74	Dolabra nepheliae on rambutan and lychee represents a novel lineage of phytopathogenic Eurotiomycetes. Mycoscience, 2010, 51, 300-309.	0.8	16
75	Recombination in Calonectria morganii and phylogeny with other heterothallic small-spored Calonectria species. Mycologia, 2000, 92, 665-673.	1.9	14
76	An overview of the genusGlyphiumand its phylogenetic placement in Patellariales. Mycologia, 2015, 107, 607-618.	1.9	14
77	Using standard keywords in publications to facilitate updates of new fungal taxonomic names. IMA Fungus, 2017, 8, A70-A73.	3.8	11
78	Hypogymnia minilobata (Parmeliaceae), a new lichen from coastal California. Bryologist, 2009, 112, 94-100.	0.6	10
79	Phylogenetic relationships ofCylindrocladium pseudogracileandCylindrocladium rumohraewith morphologically similar taxa, based on morphology and DNA sequences of internal transcribed spacers and beta-tubulin. Canadian Journal of Botany, 2000, 77, 1813-1820.	1.1	9
80	First report of Cylindrocladium root and petiole rot of Spathiphyllum in South Africa. South African Journal of Botany, 1999, 65, 208-211.	2.5	8
81	Geographic, climatic, and chemical differentiation in the Hypogymnia imshaugii species complex (Lecanoromycetes, Parmeliaceae) in North America. Bryologist, 2011, 114, 526.	0.6	8
82	A Saccharomyces cerevisiae mutant defective in the kinesin-like protein Kar3 is sensitive to NaCl-stress. Current Genetics, 1997, 32, 315-322.	1.7	7
83	6 Pezizomycotina: Dothideomycetes and Arthoniomycetes. , 2015, , 143-176.		7
84	Species Identification in Plant-Associated Prokaryotes and Fungi Using DNA. Phytobiomes Journal, 2020, 4, 103-114.	2.7	7
85	Cylindrocladium angustatum sp. nov., a new leaf spot pathogen of Tillandsia capitata from Florida, U.S.A. Mycoscience, 2000, 41, 521-526.	0.8	6
86	Publicly Available and Validated DNA Reference Sequences Are Critical to Fungal Identification and Global Plant Protection Efforts: A Use-Case in Colletotrichum. Plant Disease, 2022, , PDIS09212083SR.	1.4	5
87	Ribovore: ribosomal RNA sequence analysis for GenBank submissions and database curation. BMC Bioinformatics, 2021, 22, 400.	2.6	3