

# Karen W Hughes

## List of Publications by Year in descending order

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69  
papers

2,837  
citations

331670

21  
h-index

182427

51  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2579  
citing authors

#	ARTICLE	IF	CITATIONS
1	Major clades of Agaricales: a multilocus phylogenetic overview. <i>Mycologia</i> , 2006, 98, 982-995.	1.9	449
2	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, 430-451.	2.7	341
3	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, bau061-bau061.	3.0	272
4	Major clades of Agaricales: a multilocus phylogenetic overview. <i>Mycologia</i> , 2006, 98, 982-995.	1.9	268
5	Megaphylogeny resolves global patterns of mushroom evolution. <i>Nature Ecology and Evolution</i> , 2019, 3, 668-678.	7.8	187
6	Using heterozygosity to estimate a percentage DNA sequence similarity for environmental speciesâ€™ delimitation across basidiomycete fungi. <i>New Phytologist</i> , 2009, 182, 795-798.	7.3	137
7	Molecular phylogeny, morphology, pigment chemistry and ecology in <i>Hygrophoraceae</i> (Agaricales). <i>Fungal Diversity</i> , 2014, 64, 1-99.	12.3	108
8	Species and Speciation in Mushrooms. <i>BioScience</i> , 1999, 49, 440.	4.9	63
9	Apparent Recombination or Gene Conversion in the Ribosomal ITS Region of a <i>Flammulina</i> (Fungi, Tj ETQq1 1 0.784314 rgBT /Overlo	8.9	56
10	Patterns of geographic speciation in the genus <i>Flammulina</i> based on sequences of the ribosomal ITS1-5.8S-ITS2 area. <i>Mycologia</i> , 1999, 91, 978-986.	1.9	54
11	Considerations and consequences of allowing DNA sequence data as types of fungal taxa. <i>IMA Fungus</i> , 2018, 9, 167-175.	3.8	45
12	Long term regeneration by somatic embryogenesis in barley ( <i>Hordeum vulgare</i> L.) tissue cultures derived from apical meristem explants. <i>Plant Cell, Tissue and Organ Culture</i> , 1985, 5, 151-162.	2.3	40
13	Evolutionary consequences of putative intra-and interspecific hybridization in agaric fungi. <i>Mycologia</i> , 2013, 105, 1577-1594.	1.9	40
14	Fire as a driver of fungal diversity â€™ A synthesis of current knowledge. <i>Mycologia</i> , 2022, 114, 215-241.	1.9	36
15	Where are they hiding? Testing the body snatchers hypothesis in pyrophilous fungi. <i>Fungal Ecology</i> , 2020, 43, 100870.	1.6	32
16	Patterns of Geographic Speciation in the Genus <i>Flammulina</i> Based on Sequences of the Ribosomal ITS1-5.8S-ITS2 Area. <i>Mycologia</i> , 1999, 91, 978.	1.9	31
17	Intragenic phylogeny of <i>Collybia</i> s. str. based on sequences of ribosomal ITS and LSU regions. <i>Mycological Research</i> , 2001, 105, 164-172.	2.5	29
18	Mating systems in the Xerulaceae (Agaricales, Basidiomycota): <i>Flammulina</i> . <i>Mycoscience</i> , 1999, 40, 411-426.	0.8	25

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19	Pyrophilous fungi detected after wildfires in the Great Smoky Mountains National Park expand known species ranges and biodiversity estimates. <i>Mycologia</i> , 2020, 112, 677-698.	1.9	25
20	Flammulina RFLP patterns identify species and show biogeographical patterns within species. <i>Mycologia</i> , 2000, 92, 1064-1070.	1.9	22
21	Mating systems of some putative polypore ? agaric relatives. <i>Plant Systematics and Evolution</i> , 1997, 207, 135-158.	0.9	21
22	Some agaric distribution patterns involving Pacific landmasses and Pacific Rim. <i>Mycoscience</i> , 2007, 48, 1-14.	0.8	21
23	Flammulina RFLP Patterns Identify Species and Show Biogeographical Patterns within Species. <i>Mycologia</i> , 2000, 92, 1064.	1.9	19
24	Intragenomic nuclear RNA variation in a cryptic <i>Amanita</i> taxon. <i>Mycologia</i> , 2018, 110, 93-103.	1.9	19
25	A New species of <i>Pleurotus</i> . <i>Mycologia</i> , 1997, 89, 173-180.	1.9	18
26	The genus <i>Lentinula</i> in the Americas. <i>Mycologia</i> , 2001, 93, 1102-1112.	1.9	18
27	Molecular phylogenies and mating study data in <i>Polyporus</i> with special emphasis on group <i>Melanopus</i> (Basidiomycota). <i>Mycological Progress</i> , 2006, 5, 185-206.	1.4	18
28	Micromphale sect. Perforantia (Agaricales, Basidiomycetes); Expansion and phylogenetic placement. <i>MycKeys</i> , 0, 18, 1-122.	1.9	18
29	Mating systems in <i>Omphalotus</i> (Paxillaceae, Agaricales). <i>Plant Systematics and Evolution</i> , 1998, 211, 217-229.	0.9	17
30	Biogeographical Patterns in <i>Panellus stypticus</i> . <i>Mycologia</i> , 2001, 93, 309.	1.9	17
31	Transatlantic disjunction in fleshy fungi. I. The <i>Sparassis crispa</i> complex. <i>Mycological Progress</i> , 2014, 13, 407-427.	1.4	17
32	DNA sequence and RFLP analysis of <i>Pleurotopsis longinqua</i> from three disjunct populations. <i>Mycologia</i> , 1998, 90, 595-600.	1.9	16
33	Biogeographical patterns in <i>Artomyces pyxidatus</i> . <i>Mycologia</i> , 2002, 94, 461-471.	1.9	16
34	The <i>Xeromphalina campanella/kauffmanii</i> complex: species delineation and biogeographical patterns of speciation. <i>Mycologia</i> , 2015, 107, 1270-1284.	1.9	16
35	Revision of pyrophilous taxa of <i>Pholiota</i> described from North America reveals four species— <i>P. brunnescens</i> , <i>P. castanea</i> , <i>P. highlandensis</i> , and <i>P. molesta</i> . <i>Mycologia</i> , 2018, 110, 997-1016.	1.9	16
36	Cloning of ribosomal ITS PCR products creates frequent, non-random chimeric sequences—a test involving heterozygotes between <i>Gymnopus dichrous</i> taxa I and II. <i>MycKeys</i> , 0, 10, 45-56.	1.9	15

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37	Evidence of natural hybridization among homothallic members of the basidiomycete <i>Armillaria mellea</i> sensu stricto. <i>Fungal Biology</i> , 2012, 116, 677-691.	2.5	14
38	Biogeographical patterns in <i>Panellus stypticus</i> . <i>Mycologia</i> , 2001, 93, 309-316.	1.9	13
39	Relationships within <i>Lentinus</i> subg. <i>Lentinus</i> (Polyporales, Agaricomycetes), with emphasis on sects. <i>Lentinus</i> and <i>Tigrini</i> . <i>Mycological Progress</i> , 2011, 10, 399-413.	1.4	13
40	An investigation on <i>Mycetinis</i> (Euagarics, Basidiomycota). <i>MycKeys</i> , 0, 24, 1-138.	1.9	13
41	<i>Rhodocollybia</i> in neotropical montane forests. <i>Mycological Progress</i> , 2004, 3, 337-352.	1.4	12
42	Amyloidity is not diagnostic for species in the <i>Mycena pearsoniana</i> complex ( <i>Mycena</i> sectio) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T</i>	1.4	12
43	Biogeographical Patterns in <i>Artomyces pyxidatus</i> . <i>Mycologia</i> , 2002, 94, 461.	1.9	11
44	Variability and Phylogenetic Incongruence of an SSU nrDNA Group I Intron in <i>Artomyces</i> , <i>Auriscalpium</i> , and <i>Lentinellus</i> (Auriscalpiaceae: Homobasidiomycetes). <i>Molecular Biology and Evolution</i> , 2003, 20, 1909-1916.	8.9	11
45	The delimitation of <i>Flammulina fennae</i> . <i>Mycological Progress</i> , 2010, 9, 469-484.	1.4	11
46	Patterns of heterosis and crossing barriers resulting from increasing genetic distance between populations of the <i>Mimulus luteus</i> complex. <i>Journal of Genetics</i> , 1974, 61, 235-245.	0.7	10
47	Life cycle of the moss, <i>Physcomitrella patens</i> , in culture. <i>Cytotechnology</i> , 1982, 7, 19-22.	0.3	10
48	Secret lifestyles of pyrophilous fungi in the genus <i>Sphaerosporella</i> . <i>American Journal of Botany</i> , 2020, 107, 876-885.	1.7	10
49	The Genus <i>Lentinula</i> in the Americas. <i>Mycologia</i> , 2001, 93, 1102.	1.9	9
50	The tropical <i>Polyporus tricholoma</i> (Polyporaceae) – Taxonomy, phylogeny, and the development of methods to detect cryptic species. <i>Mycological Progress</i> , 2004, 3, 65-79.	1.4	9
51	A new genus to accommodate <i>Gymnopus acervatus</i> (Agaricales). <i>Mycologia</i> , 2010, 102, 1463-1478.	1.9	9
52	<i>Lignomyces</i> , a new genus of pleurotoid Agaricomycetes. <i>Mycologia</i> , 2015, 107, 1045-1054.	1.9	9
53	Global phylogeny of the Shiitake mushroom and related <i>Lentinula</i> species uncovers novel diversity and suggests an origin in the Neotropics. <i>Molecular Phylogenetics and Evolution</i> , 2022, 173, 107494.	2.7	8
54	Relationships among <i>Omphalotus</i> species (Paxillaceae) based on restriction sites in the ribosomal ITS1-5.8S-ITS2 region. <i>Plant Systematics and Evolution</i> , 1998, 211, 231-237.	0.9	7

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55	New species of neotropical <i>Rhodocollybia</i> . Mycotaxon, 2016, 131, 235-245.	0.3	7
56	First report of the post-fire morel <i>Morchella exuberans</i> in eastern North America. Mycologia, 2017, 109, 1-5.	1.9	6
57	Two additional species of <i>Gymnopus</i> (Euagarics, Basidiomycotina). MycoKeys, 2019, 45, 1-24.	1.9	6
58	A New Species of <i>Pleurotus</i> . Mycologia, 1997, 89, 173.	1.9	5
59	<i>Campanophyllum</i> : A new genus for an old species name. Mycological Progress, 2003, 2, 285-295.	1.4	5
60	The Mushroom TWiG: A Marvelous Mycological Menagerie in the Mountains. Southeastern Naturalist, 2007, 6, 73-82.	0.4	5
61	Two new genera of gymnopoid/marasmioid euagarics. Mycotaxon, 2020, 135, 1-95.	0.3	5
62	Transatlantic disjunction in fleshy fungi III: <i>Gymnopus confluens</i> . MycoKeys, 0, 9, 37-63.	1.9	5
63	In vitro ovule culture of a seedless persimmon. Journal of Heredity, 1986, 77, 213-213.	2.4	4
64	New data on morphology, physiology, and geographical distribution of <i>Lignomyces vetlinianus</i> , its identity with <i>Lentinus pilososquamulosus</i> , and sufficient phylogenetic distance from <i>Le. martianoffianus</i> . Mycological Progress, 2021, 20, 809-821.	1.4	3
65	Two new species of <i>Ramaria</i> from Arkansas. MycoKeys, 0, 8, 17-29.	1.9	3
66	<i>Pulverulina</i> , a New Genus of Agaricales for <i>Clitocybe ulmicola</i> . Southeastern Naturalist, 2020, 19, 447.	0.4	3
67	In Vitro Observations of the Interactions between <i>Pholiota carbonaria</i> and <i>Polytrichum commune</i> and Its Potential Environmental Relevance. Life, 2021, 11, 518.	2.4	2
68	Transatlantic disjunction in fleshy fungi. II. The <i>Sparassis spathulata</i> "S. brevipes" complex. Mycological Progress, 2015, 14, 1.	1.4	1
69	Ultraviolet mutagenesis of moss cells in vitro. Cytotechnology, 1982, 7, 47-49.	0.3	0