

Lyn G Cook

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

5,741
citations

159585

30
h-index

76900

74
g-index

81
all docs

81
docs citations

81
times ranked

6572
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogenetic biome conservatism on a global scale. <i>Nature</i> , 2009, 458, 754-756.	27.8	588
2	Refined Global Analysis of <i>Bemisia tabaci</i> (Hemiptera: Sternorrhyncha: Aleyrodoidea) of the Entomological Society of America, 2010, 103, 196-208.	2.5	585
3	Phylogenetic endemism: a new approach for identifying geographical concentrations of evolutionary history. <i>Molecular Ecology</i> , 2009, 18, 4061-4072.	3.9	394
4	Radiation of the Australian flora: what can comparisons of molecular phylogenies across multiple taxa tell us about the evolution of diversity in present-day communities?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 1551-1571.	4.0	348
5	Decline of a biome: evolution, contraction, fragmentation, extinction and invasion of the Australian mesic zone biota. <i>Journal of Biogeography</i> , 2011, 38, 1635-1656.	3.0	324
6	Hypothesis testing in biogeography. <i>Trends in Ecology and Evolution</i> , 2011, 26, 66-72.	8.7	281
7	Biogeography of the Australian monsoon tropics. <i>Journal of Biogeography</i> , 2010, 37, 201-216.	3.0	277
8	Phylogenetic niche conservatism: what are the underlying evolutionary and ecological causes?. <i>New Phytologist</i> , 2012, 196, 681-694.	7.3	225
9	Flammable biomes dominated by eucalypts originated at the Cretaceous-Palaeogene boundary. <i>Nature Communications</i> , 2011, 2, 193.	12.8	191
10	Cenozoic extinctions account for the low diversity of extant gymnosperms compared with angiosperms. <i>New Phytologist</i> , 2011, 192, 997-1009.	7.3	171
11	Do early branching lineages signify ancestral traits?. <i>Trends in Ecology and Evolution</i> , 2005, 20, 122-128.	8.7	163
12	EXPLOSIVE RADIATION OR CRYPTIC MASS EXTINCTION? INTERPRETING SIGNATURES IN MOLECULAR PHYLOGENIES. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2257-2265.	2.3	151
13	Not so ancient: the extant crown group of <i>Nothofagus</i> represents a post-Gondwanan radiation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 2535-2544.	2.6	150
14	Directional asymmetry of long-distance dispersal and colonization could mislead reconstructions of biogeography. <i>Journal of Biogeography</i> , 2005, 32, 741-754.	3.0	145
15	A congruent molecular signature of vicariance across multiple plant lineages. <i>Molecular Phylogenetics and Evolution</i> , 2007, 43, 1106-1117.	2.7	135
16	How Was the Australian Flora Assembled Over the Last 65 Million Years? A Molecular Phylogenetic Perspective. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 303-324.	8.3	134
17	Need morphology always be required for new species descriptions?. <i>Invertebrate Systematics</i> , 2010, 24, 322.	1.3	126
18	Tree thinking for all biology: the problem with reading phylogenies as ladders of progress. <i>BioEssays</i> , 2008, 30, 854-867.	2.5	108

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19	A preliminary phylogeny of the scale insects (Hemiptera: Sternorrhyncha: Coccoidea) based on nuclear small-subunit ribosomal DNA. <i>Molecular Phylogenetics and Evolution</i> , 2002, 25, 43-52.	2.7	107
20	The gall-inducing habit has evolved multiple times among the eriococcid scale insects (Sternorrhyncha: Coccoidea: Eriococcidae). <i>Biological Journal of the Linnean Society</i> , 2004, 83, 441-452.	1.6	80
21	Australia's arid-adapted butcherbirds experienced range expansions during Pleistocene glacial maxima. <i>Nature Communications</i> , 2014, 5, 3994.	12.8	65
22	Livistona palms in Australia: Ancient relics or opportunistic immigrants?. <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 512-523.	2.7	61
23	Gall-induction in insects: evolutionary dead-end or speciation driver?. <i>BMC Evolutionary Biology</i> , 2010, 10, 257.	3.2	54
24	<i>Melaleuca</i> revisited: cpDNA and morphological data confirm that <i>Melaleuca</i> L. (Myrtaceae) is not monophyletic. <i>Taxon</i> , 2010, 59, 744-754.	0.7	42
25	Three explanations for biodiversity hotspots: small range size, geographical overlap and time for species accumulation. An Australian case study. <i>New Phytologist</i> , 2015, 207, 390-400.	7.3	42
26	Congruent biogeographical disjunctions at a continent-wide scale: Quantifying and clarifying the role of biogeographic barriers in the Australian tropics. <i>PLoS ONE</i> , 2017, 12, e0174812.	2.5	41
27	Clock model makes a large difference to age estimates of long-stemmed clades with no internal calibration: a test using Australian grassrees. <i>BMC Evolutionary Biology</i> , 2014, 14, 263.	3.2	40
28	Testing the effect of transient Plio-Pleistocene barriers in monsoonal Australo-Papua: did mangrove habitats maintain genetic connectivity in the Black Butcherbird?. <i>Molecular Ecology</i> , 2011, 20, 5042-5059.	3.9	38
29	Key innovation or adaptive change? A test of leaf traits using Triodiinae in Australia. <i>Scientific Reports</i> , 2015, 5, 12398.	3.3	37
30	Extraordinary and extensive karyotypic variation: A 48-fold range in chromosome number in the gall-inducing scale insect <i>Apiomorpha</i> (Hemiptera: Coccoidea: Eriococcidae). <i>Genome</i> , 2000, 43, 255-263.	2.0	36
31	The impact of Pleistocene changes of climate and landscape on Australian birds: a test using the Pied Butcherbird (<i>Cracticus nigrogularis</i>). <i>Emu</i> , 2010, 110, 285-295.	0.6	30
32	Evolutionary consequences of shifts to bird-pollination in the Australian pea-flowered legumes (Mirbelieae and Bossiaeeae). <i>BMC Evolutionary Biology</i> , 2014, 14, 43.	3.2	30
33	Insect pollination of cycads. <i>Austral Ecology</i> , 2020, 45, 1033-1058.	1.5	29
34	Does host-plant diversity explain species richness in insects? A test using <i>Coccidae</i> (<i>Hemiptera</i>). <i>Ecological Entomology</i> , 2015, 40, 299-306.	2.2	26
35	A multilocus coalescent analysis of the speciation history of the Australo-Papuan butcherbirds and their allies. <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 941-952.	2.7	25
36	New status, species, distribution records and phylogeny for Australian mandibulate Chironomidae (Diptera). <i>Australian Journal of Entomology</i> , 2002, 41, 357-366.	1.1	24

#	ARTICLE	IF	CITATIONS
37	Generic delimitation and phylogenetic uncertainty: an example from a group that has undergone an explosive radiation. <i>Australian Systematic Botany</i> , 2005, 18, 41.	0.9	24
38	Turnover of southern cypresses in the post-Gondwanan world: extinction, transoceanic dispersal, adaptation and rediversification. <i>New Phytologist</i> , 2019, 221, 2308-2319.	7.3	21
39	Genetic diversity, host-specificity and unusual phylogeography of a cryptic, host-associated species complex of gall-inducing scale insects. <i>Ecological Entomology</i> , 2007, 32, 506-515.	2.2	20
40	Delimiting genera of scale insects: molecular and morphological evidence for synonymising <i>Taiwansaissetia</i> Tao, Wong and Chang with <i>Coccus</i> Linnaeus (Hemiptera: Coccoidea). <i>Trends in Ecology & Evolution</i> , 2019, 34, 107-115.	10.7	10
41	Ancient relicts or recent dispersal: how long have cycads been in central Australia? <i>Diversity and Distributions</i> , 2013, 19, 307-316.	4.1	20
42	Reticulate evolution in the natural range of the invasive wetland tree species <i>Melaleuca quinquenervia</i> . <i>Molecular Phylogenetics and Evolution</i> , 2008, 47, 506-522.	2.7	19
43	Rapid chromosomal evolution in a morphologically cryptic radiation. <i>Molecular Phylogenetics and Evolution</i> , 2014, 77, 126-135.	2.7	19
44	Extensive chromosomal variation associated with taxon divergence and host specificity in the gall-inducing scale insect <i>Apiomorpha munita</i> (Schrader) (Hemiptera: Sternorrhyncha: Coccoidea). <i>Trends in Ecology & Evolution</i> , 2019, 34, 107-115.	10.7	10
45	Bush peas: a rapid radiation with no support for monophyly of <i>Pultenaea</i> (Fabaceae: Mirbelieae). <i>Australian Systematic Botany</i> , 2005, 18, 133.	0.9	18
46	First-instar morphology and sexual dimorphism in the gall-inducing scale insect <i>Apiomorpha rubsaamen</i> (Hemiptera: Coccoidea: Eriococcidae). <i>Journal of Natural History</i> , 2000, 34, 879-894.	0.5	16
47	The genetic diversity, relationships, and potential for biological control of the lobate lac scale, <i>Paratachardina pseudolobata</i> Kondo & Gullan (Hemiptera: Coccoidea: Kerriidae). <i>Biological Control</i> , 2008, 46, 256-266.	3.0	16
48	Extraordinary and extensive karyotypic variation: A 48-fold range in chromosome number in the gall-inducing scale insect <i>Apiomorpha</i> (Hemiptera: Coccoidea: Eriococcidae). <i>Genome</i> , 2000, 43, 255-263.	2.0	16
49	Relationships among felt scale insects (Hemiptera: Coccoidea: Eriococcidae) of southern beech, <i>Nothofagus</i> (Nothofagaceae), with the first descriptions of Australian species of the <i>Nothofagus</i> -feeding genus <i>Madarococcus</i> Hoy. <i>Invertebrate Systematics</i> , 2008, 22, 365.	1.3	15
50	<i>Matsucoccus macrocitrices</i> (Hemiptera: Matsucoccidae): First Report, Distribution, and Association With Symptomatic Eastern White Pine in the Southeastern United States. <i>Journal of Economic Entomology</i> , 2013, 106, 2391-2398.	1.8	15
51	Insect, not plant, determines gall morphology in the <i>Apiomorpha pharetrata</i> species group (Hemiptera: Coccoidea). <i>Australian Journal of Entomology</i> , 2008, 47, 51-57.	1.1	14
52	Testing for Ecological Limitation of Diversification: A Case Study Using Parasitic Plants. <i>American Naturalist</i> , 2012, 180, 438-449.	2.1	14
53	Systematic review of the Australian bush-coconut genus <i>Cystococcus</i> (Hemiptera: Eriococcidae) uncovers a new species from Queensland. <i>Invertebrate Systematics</i> , 2015, 29, 287.	1.3	14
54	Taxonomy and species boundaries in the coral genus <i>Favia</i> Milne Edwards and Haime, 1857 (Cnidaria). <i>Trends in Ecology & Evolution</i> , 2019, 34, 107-115.	10.7	10

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55	Identifying genetic markers for a range of phylogenetic utilityâ€”From species to family level. PLoS ONE, 2019, 14, e0218995.	2.5	12
56	Phylogeny and Evolution of Anomalous Roots in <i>Daviesia</i> (Fabaceae: Mirbelieae). International Journal of Plant Sciences, 2003, 164, 603-612.	1.3	11
57	A monograph of <i>Daviesia</i> (Mirbelieae, Faboideae, Fabaceae). Phytotaxa, 2017, 300, 1.	0.3	10
58	Species delimitation in asexual insects of economic importance: The case of black scale (<i>Parasaissetia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	2.5	8
59	<i>Apiomorpha gullanae</i> sp. n., an unusual new species of gall-inducing scale insect (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 382 Td	1.1	7
60	Description of two new genera and species of Eriococcidae (Hemiptera: Coccoidea) from southern South America. Zootaxa, 2006, 1349, 19.	0.5	7
61	Niche differentiation and spatial partitioning in the evolution of two Australian monsoon tropical tree species. Journal of Biogeography, 2013, 40, 559-569.	3.0	7
62	Australian spinifex grasses: new names in <i>Triodia</i> for <i>Monodia</i> and <i>Symplectrodia</i> . Phytotaxa, 2015, 230, 293.	0.3	7
63	<p class="HeadingRunIn"> A review of the genus Capulinia Signoret (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 382 Td	0.5	7
64	Australian processionary caterpillars, <i>Ochrogaster lunifer</i> Herrich&Sch&Affer (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	1.4	6
65	Molecular dating and eucalypts: reply to Ladiges and Udovicic. Australian Systematic Botany, 2005, 18, 295.	0.9	5
66	A newly recognised species that has been confused with the global polyphagous pest scale insect, <i>Coccus hesperidum</i> Linnaeus (Hemiptera: Cocomorpha: Coccidae). Zootaxa, 2017, 4320, .	0.5	5
67	Species limits and cryptic biogeographic structure in a widespread complex of Australian monsoon tropics trees (broad-leaf paperbarks: <i>Melaleuca</i> , Myrtaceae). Australian Systematic Botany, 2018, , .	0.9	5
68	Immigrant and native? The case of the swamp foxtail <i>Cenchrus purpurascens</i> in Australia. Diversity and Distributions, 2018, 24, 1169-1181.	4.1	5
69	Understanding Diversity and Systematics in Australian Fabaceae Tribe Mirbelieae. Diversity, 2021, 13, 391.	1.7	5
70	Support for the â€”out-of-Southeast Asiaâ€™ hypothesis for the origin of Australian populations of <i>Radopholus similis</i> (Cobb, 1893) (Nematoda: Pratylenchidae). Systematic Parasitology, 2010, 77, 175-183.	1.1	4
71	A newly recognised Australian endemic species of <i>Austrolecanium</i> Gullan & Hodgson 1998 (Hemiptera: Coccidae) from Queensland. Zootaxa, 2017, 4272, 119.	0.5	4
72	Two recently discovered species of <i>Apiomorpha</i> (Hemiptera: Eriococcidae) feeding on eudesmid eucalypts in Western Australia reaffirm host conservatism in this gall-inducing scale insect genus. Invertebrate Systematics, 2016, 30, 255.	1.3	3

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73	A recently discovered species of <i>Apiomorpha</i> <i>absaamen</i> (Hemiptera: Coccoidea: Eriococcidae) with unusual gall morphology. <i>Zootaxa</i> , 2011, 3093, 55.	0.5	2
74	A newly recognised species of <i>Cryptes</i> <i>Maskell</i> 1892 (Hemiptera: Coccidae) from Western Australia. <i>Zootaxa</i> , 2018, 4508, 101.	0.5	1
75	<i>Wolbachia</i> in scale insects: a distinct pattern of infection frequencies and potential transfer routes via ant associates. <i>Environmental Microbiology</i> , 2022, 24, 1326-1339.	3.8	1
76	Nomenclatural changes in the Australasian gall-inducing genus <i>Apiomorpha</i> <i>absaamen</i> (Hemiptera: Tj ETQq0 0,0rgBT /Oyerlock 10	0.5	0
77	<i>Chloris circumfontinalis</i> (Poaceae): a recently discovered species from the saline scalds surrounding artesian springs in north-eastern Australia. <i>Australian Systematic Botany</i> , 2019, , .	0.9	0
78	Cycad killer, qu'est-ce que c'est? Dieback of <i>Macrozamia communis</i> on the south coast of New South Wales. <i>Australian Journal of Botany</i> , 2021, 69, 102.	0.6	0
79	Invertebrate Systematics - Past and Future. <i>Invertebrate Systematics</i> , 2009, 23, i.	1.3	0