Pete Hollingsworth

List of Publications by Year in descending order

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121 papers	15,396 citations	71102 41 h-index	19190 118 g-index
124 all docs	124 docs citations	124 times ranked	16134 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	A DNA barcode for land plants. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12794-12797.	7.1	2,120
3	Choosing and Using a Plant DNA Barcode. PLoS ONE, 2011, 6, e19254.	2.5	946
4	Rapid Diversification of a Species-Rich Genus of Neotropical Rain Forest Trees. Science, 2001, 293, 2242-2245.	12.6	710
5	Chloroplast microsatellites: new tools for studies in plant ecology and evolution. Trends in Ecology and Evolution, 2001, 16, 142-147.	8.7	587
6	Origin of angiosperms and the puzzle of the Jurassic gap. Nature Plants, 2019, 5, 461-470.	9.3	467
7	A proposal for a standardised protocol to barcode all land plants. Taxon, 2007, 56, 295-299.	0.7	457
8	Selecting barcoding loci for plants: evaluation of seven candidate loci with speciesâ€level sampling in three divergent groups of land plants. Molecular Ecology Resources, 2009, 9, 439-457.	4.8	344
9	From barcodes to genomes: extending the concept of DNA barcoding. Molecular Ecology, 2016, 25, 1423-1428.	3.9	322
10	Molecular phylogenetics and evolution of Orchidinae and selected Habenariinae (Orchidaceae). Botanical Journal of the Linnean Society, 2003, 142, 1-40.	1.6	313
11	How much effort is required to isolate nuclear microsatellites from plants?. Molecular Ecology, 2003, 12, 1339-1348.	3.9	288
12	Current trends of rubber plantation expansion may threaten biodiversity and livelihoods. Global Environmental Change, 2015, 34, 48-58.	7.8	281
13	Extinction risk and threats to plants and fungi. Plants People Planet, 2020, 2, 389-408.	3.3	242
14	Refining the DNA barcode for land plants. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19451-19452.	7.1	239
15	Telling plant species apart with DNA: from barcodes to genomes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150338.	4.0	234
16	Selection of candidate coding DNA barcoding regions for use on land plants. Botanical Journal of the Linnean Society, 2009, 159, 1-11.	1.6	231
17	Understanding and monitoring the consequences of human impacts on intraspecific variation. Evolutionary Applications, 2017, 10, 121-139.	3.1	145
18	Genome skimming herbarium specimens for DNA barcoding and phylogenomics. Plant Methods, 2018, 14, 43.	4.3	132

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19	Comparative analysis of population genetic structure in Athyrium distentifolium (Pteridophyta) using AFLPs and SSRs from anonymous and transcribed gene regions. Molecular Ecology, 2005, 14, 1681-1695.	3.9	121
20	Conserving taxonomic complexity. Trends in Ecology and Evolution, 2005, 20, 164-168.	8.7	113
21	DNA barcoding of lichenized fungi demonstrates high identification success in a floristic context. New Phytologist, 2011, 191, 288-300.	7.3	109
22	Plastid phylogenomic insights into relationships of all flowering plant families. BMC Biology, 2021, 19, 232.	3.8	109
23	Conservation Priorities in a Biodiversity Hotspot: Analysis of Narrow Endemic Plant Species in New Caledonia. PLoS ONE, 2013, 8, e73371.	2.5	104
24	Does complete plastid genome sequencing improve species discrimination and phylogenetic resolution in Araucaria?. Molecular Ecology Resources, 2015, 15, 1067-1078.	4.8	100
25	DNA Barcoding Methods for Land Plants. Methods in Molecular Biology, 2012, 858, 223-252.	0.9	97
26	Partitioning and diversity of nuclear and organelle markers in native and introduced populations of Epipactis helleborine (Orchidaceae). American Journal of Botany, 2001, 88, 1409-1418.	1.7	91
27	Population genetic structure in European populations of Spiranthes romanzoffiana set in the context of other genetic studies on orchids. Heredity, 2004, 92, 218-227.	2.6	91
28	Identifying the early genetic consequences of habitat degradation in a highly threatened tropical conifer, Araucaria nemorosa Laubenfels. Molecular Ecology, 2007, 16, 3581-3591.	3.9	86
29	A taxonomic, genetic and ecological data resource for the vascular plants of Britain and Ireland. Scientific Data, 2022, 9, 1.	5.3	86
30	The resilience of forest fragmentation geneticsâ€”no longer a paradoxâ€”we were just looking in the wrong place. Heredity, 2015, 115, 97-99.	2.6	78
31	SHORT COMMUNICATION: Do farmers reduce genetic diversity when they domesticate tropical trees? A case study from Amazonia. Molecular Ecology, 2005, 14, 497-501.	3.9	70
32	The use of molecular markers to study patterns of genotypic diversity in some invasive alienFallopiaspp. (Polygonaceae). Molecular Ecology, 1998, 7, 1681-1691.	3.9	69
33	Taxonomic complexity and breeding system transitions: conservation genetics of the Epipactis leptochila complex (Orchidaceae). Molecular Ecology, 2002, 11, 1957-1964.	3.9	68
34	Neighbour joining trees, dominant markers and population genetic structure. Heredity, 2004, 92, 490-498.	2.6	65
35	DNA barcoding plants in biodiversity hot spots: Progress and outstanding questions. Heredity, 2008, 101, 1-2.	2.6	62
36	The Treasure Vault Can be Opened: Large-Scale Genome Skimming Works Well Using Herbarium and Silica Gel Dried Material. Plants, 2020, 9, 432.	3.5	59

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37	Evidence for spatial structure and directional gene flow in a population of an aquatic plant, Potamogeton coloratus. Heredity, 1998, 80, 414-421.	2.6	56
38	A recircumscription of Begonia based on nuclear ribosomal sequences. Plant Systematics and Evolution, 2003, 241, 193-211.	0.9	56
39	Cryptic genetic bottlenecks during restoration of an endangered tropical conifer. Biological Conservation, 2008, 141, 1953-1961.	4.1	51
40	DNA barcoding of European Herbertus (Marchantiopsida, Herbertaceae) and the discovery and description of a new species. Molecular Ecology Resources, 2012, 12, 36-47.	4.8	50
41	From writing to reading the encyclopedia of life. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150321.	4.0	48
42	A Phylogeny of <I>Begonia</I> Using Nuclear Ribosomal Sequence Data and Morphological Characters. Systematic Botany, 2005, 30, 671-682.	0.5	45
43	Isozyme evidence for the parentage and multiple origins ofPotamogeton ï¿½suecicus (P. pectinatus ï¿½P.) Tj ETQq1 1 0.784314 rgBT	0.9	44
44	The relationship between flower size, inbreeding coefficient and inferred selfing rate in British Euphrasia species. Heredity, 2005, 94, 44-51.	2.6	43
45	Early evolution in a hybrid swarm between outcrossing and selfing lineages in Geum. Heredity, 2011, 107, 246-255.	2.6	42
46	De novo genome assembly of the endangered Acer yangbiense, a plant species with extremely small populations endemic to Yunnan Province, China. GigaScience, 2019, 8, .	6.4	42
47	Patterns of clonal diversity in three species of sub-arctic willow (Salix lanata, Salix lapponum and) Tj ETQq1 1 0.784314 rgBT /Overloc	0.9	41
48	Population genetic divergence corresponds with speciesâ€level biodiversity patterns in the large genus Begonia. Molecular Ecology, 2008, 17, 2643-2651.	3.9	41
49	AFLP markers provide insights into the evolutionary relationships and diversification of New Caledonian Araucaria species (Araucariaceae). American Journal of Botany, 2012, 99, 68-81.	1.7	39
50	Genetic variability in two hydrophilous species ofPotamogeton, P. pectinatus andP. filiformis (Potamogetonaceae). Plant Systematics and Evolution, 1996, 202, 233-254.	0.9	38
51	Can plastid genome sequencing be used for species identification in Lauraceae?. Botanical Journal of the Linnean Society, 2021, 197, 1-14.	1.6	38
52	Origins and genetic conservation of tropical trees in agroforestry systems: a case study from the Peruvian Amazon. Conservation Genetics, 2008, 9, 361-372.	1.5	36
53	Evolutionary Diversification of New Caledonian Araucaria. PLoS ONE, 2014, 9, e110308.	2.5	36
54	Testing genome skimming for species discrimination in the large and taxonomically difficult genus Rhododendron. Molecular Ecology Resources, 2022, 22, 404-414.	4.8	35

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55	Genetic variability in British populations ofPotamogeton coloratus (Potamogetonaceae). Plant Systematics and Evolution, 1995, 197, 71-85.	0.9	33
56	The origin of a mega-diverse genus: datingBegonia(Begoniaceae) using alternative datasets, calibrations and relaxed clock methods. Botanical Journal of the Linnean Society, 2009, 159, 363-380.	1.6	33
57	Authentication of Eleutherococcus and Rhodiola herbal supplement products in the United Kingdom. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 403-409.	2.8	33
58	Development of EST-SSRs from the Alpine Lady-fern, Athyrium distentifolium. Molecular Ecology Notes, 2003, 3, 287-290.	1.7	32
59	Barcode UK: A complete DNA barcoding resource for the flowering plants and conifers of the United Kingdom. Molecular Ecology Resources, 2021, 21, 2050-2062.	4.8	32
60	Seeing the fruit for the trees in Borneo. Conservation Letters, 2011, 4, 184-191.	5.7	31
61	Process-Based Species Action Plans: an approach to conserve contemporary evolutionary processes that sustain diversity in taxonomically complex groups. Botanical Journal of the Linnean Society, 2012, 168, 194-203.	1.6	31
62	Chloroplast DNA phylogeography of the arctic-montane species Saxifraga hirculus (Saxifragaceae). Heredity, 2006, 96, 222-231.	2.6	30
63	Chloroplast DNA variation and hybridization between invasive populations of Japanese knotweed and giant knotweed (Fallopia, Polygonaceae). Botanical Journal of the Linnean Society, 1999, 129, 139-154.	1.6	27
64	Extending glacial refugia for a European tree: genetic markers show that Iberian populations of white elm are native relicts and not introductions. Heredity, 2014, 112, 105-113.	2.6	27
65	Understanding climate change impacts on biome and plant distributions in the Andes: Challenges and opportunities. Journal of Biogeography, 2022, 49, 1420-1442.	3.0	27
66	The Future of DNA Barcoding: Reflections from Early Career Researchers. Diversity, 2021, 13, 313.	1.7	26
67	Ficus insipida subsp. insipida (Moraceae) reveals the role of ecology in the phylogeography of widespread Neotropical rain forest tree species. Journal of Biogeography, 2014, 41, 1697-1709.	3.0	25
68	The early evolution of the mega-diverse genus Begonia (Begoniaceae) inferred from organelle DNA phylogenies. Biological Journal of the Linnean Society, 0, 101, 243-250.	1.6	24
69	Bringing together approaches to reporting on within species genetic diversity. Journal of Applied Ecology, 2022, 59, 2227-2233.	4.0	24
70	Genetics, taxonomy and the conservation of British Euphrasia. Conservation Genetics, 2008, 9, 1547-1562.	1.5	22
71	Importance of demography and dispersal for the resilience and restoration of a critically endangered tropical conifer Araucaria nemorosa. Diversity and Distributions, 2012, 18, 248-259.	4.1	21
72	DNA barcoding a taxonomically complex hemiparasitic genus reveals deep divergence between ploidy levels but lack of species-level resolution. AoB PLANTS, 2018, 10, ply026.	2.3	21

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73	Detecting and predicting forest degradation: A comparison of ground surveys and remote sensing in Tanzanian forests. Plants People Planet, 2021, 3, 268-281.	3.3	20
74	Morphological, ecological and genetic evidence for distinguishingAnastrophyllum joergenseniiSchiffn. andA. alpinumSteph. (Jungermanniopsida: Lophoziaceae). Journal of Bryology, 2006, 28, 108-117.	1.2	19
75	DNA barcoding: potential users. Genomics Society and Policy, 2007, 3, 1.	0.2	19
76	Are native bluebells (Hyacinthoides non-scripta) at risk from alien congenerics? Evidence from distributions and co-occurrence in Scotland. Biological Conservation, 2009, 142, 61-74.	4.1	18
77	Determinants of fine-scale spatial genetic structure in three co-occurring rain forest canopy trees in Borneo. Perspectives in Plant Ecology, Evolution and Systematics, 2011, 13, 47-56.	2.7	18
78	Fifty years of vegetation change in oceanic-montane liverwort-rich heath in Scotland. Plant Ecology and Diversity, 2014, 7, 457-470.	2.4	18
79	A transcriptome-based resolution for a key taxonomic controversy in Cupressaceae. Annals of Botany, 2019, 123, 153-167.	2.9	18
80	Partitioning and diversity of nuclear and organelle markers in native and introduced populations of Epipactis helleborine (Orchidaceae). American Journal of Botany, 2001, 88, 1409-18.	1.7	18
81	Phylogeny and taxonomy of the bluebell genus Hyacinthoides, Asparagaceae [Hyacinthaceae]. Taxon, 2010, 59, 68-82.	0.7	16
82	Lichens under threat from ash dieback. Nature, 2012, 491, 672-672.	27.8	16
83	Conservation genetics and phylogenetics of New CaledonianRetrophyllum(Podocarpaceae) species. New Zealand Journal of Botany, 2002, 40, 175-188.	1.1	15
84	PATTERNS OF MATING, GENERATION OF DIVERSITY, AND FITNESS OF OFFSPRING IN AGEUMHYBRID SWARM. Evolution; International Journal of Organic Evolution, 2013, 67, 2728-2740.	2.3	14
85	<scp>DNA</scp> barcoding herbaceous and woody plant species at a subalpine forest dynamics plot in Southwest China. Ecology and Evolution, 2018, 8, 7195-7205.	1.9	14
86	Significant differences in outcrossing rate, self-incompatibility, and inbreeding depression between two widely hybridizing species of Geum. Biological Journal of the Linnean Society, 2010, 101, 977-990.	1.6	13
87	Current knowledge, status, and future for plant and fungal diversity in Great Britain and the UK Overseas Territories. Plants People Planet, 2020, 2, 557-579.	3.3	13
88	Taxonomic complexity, population genetics, and plant conservation in Scotland. Botanical Journal of Scotland, 2003, 55, 55-63.	0.3	12
89	Morphological and molecular investigation of the parentage and maternity of Anacamptis Ã— albuferensis (A. fragrans Ã— A. robusta), a new hybrid orchid from Mallorca, Spain. Taxon, 2004, 53, 43-54.	0.7	12
90	Hidden in plain view: Cryptic diversity in the emblematic Araucaria of New Caledonia. American Journal of Botany, 2016, 103, 888-898.	1.7	12

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91	International Barcode of Life: Focus on big biodiversity in South Africa. Genome, 2017, 60, 875-879.	2.0	12
92	Stopping the stutter: Improvements in sequence quality from regions with mononucleotide repeats can increase the usefulness of nonâ€“coding regions for DNA barcoding. Taxon, 2010, 59, 694-697.	0.7	11
93	Using target capture to address conservation challenges: Populationâ€level tracking of a globallyâ€traded herbal medicine. Molecular Ecology Resources, 2022, 22, 212-224.	4.8	11
94	Conservation genetics of an arctic species, Saxifraga rivularis L., in Britain. Botanical Journal of the Linnean Society, 1998, 128, 1-14.	1.6	10
95	Isolation of polymorphic microsatellite markers for Begonia sutherlandii Hook. f.. Molecular Ecology Notes, 2002, 2, 185-186.	1.7	10
96	Characterization of nuclear microsatellites in New Caledonian Araucaria species. Molecular Ecology Notes, 2003, 4, 62-63.	1.7	10
97	Genetic diversity and distinctiveness in Scottish alpine plants. Plant Ecology and Diversity, 2008, 1, 329-338.	2.4	9
98	Regeneration capacity of oceanic-montane liverworts: implications for community distribution and conservation. Journal of Bryology, 2013, 35, 12-19.	1.2	9
99	Preliminary insights from DNA barcoding into the diversity of mosses colonising modern building surfaces. Bryophyte Diversity and Evolution, 2016, 38, 1.	1.1	9
100	Untapped resources for medical research. Science, 2020, 369, 781-782.	12.6	9
101	ARAUCARIA GOROENSIS (ARAUCARIACEAE), A NEW MONKEY PUZZLE FROM NEW CALEDONIA, AND NOMENCLATURAL NOTES ON ARAUCARIA MUELLERI. Edinburgh Journal of Botany, 2017, 74, 123-139.	0.4	8
102	Polymorphic microsatellite markers for the Socotran endemic herb Begonia socotrana. Molecular Ecology Notes, 2002, 2, 159-160.	1.7	7
103	Transplanting the leafy liverwortHerbertus hutchinsiae: a suitable conservation tool to maintain oceanic-montane liverwort-rich heath?. Plant Ecology and Diversity, 2016, 9, 175-185.	2.4	6
104	Globally rare oceanic-montane liverworts with disjunct distributions: evidence for long-distance dispersal. Biodiversity and Conservation, 2020, 29, 3245-3264.	2.6	6
105	Isolation of polymorphic microsatellite markers for British Euphrasia L.. Molecular Ecology Notes, 2003, 3, 626-628.	1.7	5
106	Development of EST-derived microsatellite markers forArabidopsis lyratasubspeciespetraea(L.). Molecular Ecology Notes, 2007, 7, 631-634.	1.7	5
107	Do taxon-specific DNA barcodes improve species discrimination relative to universal barcodes in Lauraceae?. Botanical Journal of the Linnean Society, 2022, 199, 741-753.	1.6	5
108	Is hybridisation a threat toRumex aquaticusin Britain?. Plant Ecology and Diversity, 2015, 8, 465-474.	2.4	4

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109	Paternity analysis reveals constraints on hybridization potential between native and introduced bluebells (Hyacinthoides). Conservation Genetics, 2019, 20, 571-584.	1.5	4
110	Chloroplast DNA variation and hybridization between invasive populations of Japanese knotweed and giant knotweed (Fallopia, Polygonaceae). Botanical Journal of the Linnean Society, 1999, 129, 139-154.	1.6	4
111	Isolation of microsatellite primers for Melampyrum sylvaticum (Orobanchaceae), an endangered plant in the United Kingdom. American Journal of Botany, 2012, 99, e457-9.	1.7	3
112	Ten nuclear microsatellites markers cross-amplifying in Scaevola montana and S. coccinea (Goodeniaceae), a locally common and a narrow endemic plant species of ultramafic scrublands in New Caledonia. Conservation Genetics Resources, 2012, 4, 725-728.	0.8	3
113	Development of polymorphic microsatellite markers for tree peony Paeonia delavayi (Paeoniaceae) using ddRAD-seq data. Molecular Biology Reports, 2019, 46, 4605-4610.	2.3	3
114	DNA barcoding identifies cryptic animal tool materials. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2020699118.	7.1	3
115	Conservation genetics of the annual hemiparasitic plant Melampyrum sylvaticum (Orobanchaceae) in the UK and Scandinavia. Conservation Genetics, 2016, 17, 547-556.	1.5	2
116	Assessing Hotspots of Evolutionary History with Data from Multiple Phylogenies: An Analysis of Endemic Clades from New Caledonia. Topics in Biodiversity and Conservation, 2016, , 237-262.	1.0	2
117	Using DNA Sequence Data to Enhance Understanding and Conservation of Plant Diversity at the Species Level. , 2017, , 23-48.		2
118	Morphology and pollen fertility of native and non-native bluebells in Great Britain. Plant Ecology and Diversity, 2020, 13, 351-361.	2.4	2
119	High levels of population differentiation in two New Caledonian Scaevola species (Goodeniaceae) and its implications for conservation prioritisation and restoration. Australian Journal of Botany, 2017, 65, 140.	0.6	1
120	Molecular Tools for Screening Biodiversity. Edited by A. Karp, P. G. Isaac and D. S. Ingram.. Edinburgh Journal of Botany, 1999, 56, 157-158.	0.4	0
121	Molecular systematics of plants II: DNA sequencing. (Ed. by DOUGLAS E. SOLTIS, PAMELA S. SOLTIS and) Tj ETQq1 1 0.784314 rgBT /Ov Academic Publishing. Price h/b: Â¥187.00. ISBN 0 412 11121 7.. New Phytologist, 1999, 143, 457.	7.3	0