Lian-Ming Gao

List of Publications by Year
in descending order

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93 papers	4,591 citations	136950 32 h-index	110387 64 g-index
98 all docs	98 docs citations	98 times ranked	4555 citing authors

#	Article	IF	Citations
1	Comparative analysis of a large dataset indicates that internal transcribed spacer (ITS) should be incorporated into the core barcode for seed plants. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19641-19646.	7.1	738
2	Origin of angiosperms and the puzzle of the Jurassic gap. Nature Plants, 2019, 5, 461-470.	9.3	467
3	Phylogeographic studies of plants in China: Advances in the past and directions in the future. Journal of Systematics and Evolution, 2012, 50, 267-275.	3.1	248
4	Geological and ecological factors drive cryptic speciation of yews in a biodiversity hotspot. New Phytologist, 2013, 199, 1093-1108.	7.3	236
5	Complete chloroplast genome sequence of Magnolia kwangsiensis (Magnoliaceae): implication for DNA barcoding and population genetics. Genome, 2011, 54, 663-673.	2.0	226
6	High variation and strong phylogeographic pattern among cpDNA haplotypes in Taxus wallichiana (Taxaceae) in China and North Vietnam. Molecular Ecology, 2007, 16, 4684-4698.	3.9	198
7	DNA barcoding for the discrimination of Eurasian yews (Taxus L., Taxaceae) and the discovery of cryptic species. Molecular Ecology Resources, 2011, 11, 89-100.	4.8	154
8	Insights into the historical assembly of East Asian subtropical evergreen broadleaved forests revealed by the temporal history of the tea family. New Phytologist, 2017, 215, 1235-1248.	7.3	119
9	Plastid phylogenomic insights into relationships of all flowering plant families. BMC Biology, 2021, 19, 232.	3.8	109
10	DNA barcoding of Rhododendron (Ericaceae), the largest Chinese plant genus in biodiversity hotspots of the Himalayaâ€“Hengduan Mountains. Molecular Ecology Resources, 2015, 15, 932-944.	4.8	101
11	Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. Ecology Letters, 2019, 22, 245-255.	6.4	92
12	Protect Third Pole's fragile ecosystem. Science, 2018, 362, 1368-1368.	12.6	76
13	Domestication Origin and Breeding History of the Tea Plant (Camellia sinensis) in China and India Based on Nuclear Microsatellites and cpDNA Sequence Data. Frontiers in Plant Science, 2017, 8, 2270.	3.6	71
14	Prevalence of isomeric plastomes and effectiveness of plastome super-barcodes in yews (Taxus) worldwide. Scientific Reports, 2019, 9, 2773.	3.3	54
15	Applying plant DNA barcodes to identify species of Parnassia (Parnassiaceae). Molecular Ecology Resources, 2012, 12, 267-275.	4.8	52
16	Upward elevation and northwest range shifts for alpine Meconopsis species in the Himalayaâ€“Hengduan Mountains region. Ecology and Evolution, 2019, 9, 4055-4064.	1.9	52
17	Greater than the sum of the parts: how the species composition in different forest strata influence ecosystem function. Ecology Letters, 2019, 22, 1449-1461.	6.4	51
18	Indications for Three Independent Domestication Events for the Tea Plant (Camellia sinensis (L.) O.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Microsatellites. PLoS ONE, 2016, 11, e0155369.	2.5	51

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19	Sampling Strategy and Potential Utility of Indels for DNA Barcoding of Closely Related Plant Species: A Case Study in Taxus. International Journal of Molecular Sciences, 2012, 13, 8740-8751.	4.1	46
20	Using Morphological, Molecular and Climatic Data to Delimitate Yews along the Hindu Kush-Himalaya and Adjacent Regions. PLoS ONE, 2012, 7, e46873.	2.5	45
21	Morphometric analysis of the Taxus wallichiana complex (Taxaceae) based on herbarium material. Botanical Journal of the Linnean Society, 2007, 155, 307-335.	1.6	42
22	Genetic diversity within and among populations of the endangered species Taxus fuana (Taxaceae) from Pakistan and implications for its conservation. Biochemical Systematics and Ecology, 2008, 36, 183-193.	1.3	42
23	Genetic diversity and structure of a traditional Chinese medicinal plant species, Fritillaria cirrhosa (Liliaceae) in southwest China and implications for its conservation. Biochemical Systematics and Ecology, 2010, 38, 236-242.	1.3	41
24	Trait-Based Community Assembly along an Elevational Gradient in Subalpine Forests: Quantifying the Roles of Environmental Factors in Inter- and Intraspecific Variability. PLoS ONE, 2016, 11, e0155749.	2.5	41
25	Natural hybridization origin of Rhododendron agastum (Ericaceae) in Yunnan, China: inferred from morphological and molecular evidence. Journal of Plant Research, 2007, 120, 457-463.	2.4	40
26	Comparative analyses of plastid genomes from fourteen Cornales species: inferences for phylogenetic relationships and genome evolution. BMC Genomics, 2017, 18, 956.	2.8	40
27	Plant DNA barcoding in China. Journal of Systematics and Evolution, 2011, 49, 165-168.	3.1	39
28	Insights into the Genetic Relationships and Breeding Patterns of the African Tea Germplasm Based on nSSR Markers and cpDNA Sequences. Frontiers in Plant Science, 2016, 7, 1244.	3.6	39
29	Integrating a comprehensive <scp>DNA</scp> barcode reference library with a global map of yews (Taxus L.) for forensic identification. Molecular Ecology Resources, 2018, 18, 1115-1131.	4.8	38
30	Spatiotemporal maintenance of flora in the Himalaya biodiversity hotspot: Current knowledge and future perspectives. Ecology and Evolution, 2021, 11, 10794-10812.	1.9	38
31	Plastid phylogenomics and biogeographic analysis support a trans-Tethyan origin and rapid early radiation of Cornales in the Mid-Cretaceous. Molecular Phylogenetics and Evolution, 2019, 140, 106601.	2.7	37
32	Plant phylogenomics based on genome-partitioning strategies: Progress and prospects. Plant Diversity, 2018, 40, 158-164.	3.7	36
33	Paraphyly of Cyrtomium (Dryopteridaceae): evidence from rbcL and trnL-F sequence data. Journal of Plant Research, 2005, 118, 129-135.	2.4	35
34	Testing genome skimming for species discrimination in the large and taxonomically difficult genus Rhododendron. Molecular Ecology Resources, 2022, 22, 404-414.	4.8	35
35	Comparative chloroplast genomes of eleven Schima (Theaceae) species: Insights into DNA barcoding and phylogeny. PLoS ONE, 2017, 12, e0178026.	2.5	34
36	High universality of matK primers for barcoding gymnosperms. Journal of Systematics and Evolution, 2011, 49, 169-175.	3.1	33

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37	Nuclear microsatellites reveal the genetic architecture and breeding history of tea germplasm of East Africa. Tree Genetics and Genomes, 2016, 12, 1.	1.6	33
38	Yews (Taxus) along the Hindu Kush-Himalayan region: Exploring the ethnopharmacological relevance among communities of Mongol and Caucasian origins. Journal of Ethnopharmacology, 2013, 147, 190-203.	4.1	32
39	Forest community assembly is driven by different strataâ€dependent mechanisms along an elevational gradient. Journal of Biogeography, 2019, 46, 2174-2187.	3.0	32
40	Trait variation and functional diversity maintenance of understory herbaceous species coexisting along an elevational gradient in Yulong Mountain, Southwest China. Plant Diversity, 2016, 38, 303-311.	3.7	30
41	Distributional responses to climate change for alpine species of Cyananthus and Primula endemic to the Himalaya-Hengduan Mountains. Plant Diversity, 2019, 41, 26-32.	3.7	30
42	Asymmetrical natural hybridization varies among hybrid swarms between two diploid Rhododendron species. Annals of Botany, 2017, 120, 51-61.	2.9	28
43	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	12.8	28
44	Low genetic diversity and high inbreeding of the endangered yews in Central Himalaya: implications for conservation of their highly fragmented populations. Diversity and Distributions, 2014, 20, 1270-1284.	4.1	27
45	DNA barcoding of East Asian Amentotaxus (Taxaceae): Potential new species and implications for conservation. Journal of Systematics and Evolution, 2017, 55, 16-24.	3.1	25
46	Genetic diversity, demographical history and conservation aspects of the endangered yew tree Taxus contorta (syn. Taxus fuana) in Pakistan. Tree Genetics and Genomes, 2014, 10, 653-665.	1.6	24
47	Phylotranscriptomics of Theaceae: generic-level relationships, reticulation and whole-genome duplication. Annals of Botany, 2022, 129, 457-471.	2.9	23
48	Name and scale matter: Clarifying the geography of Tibetan Plateau and adjacent mountain regions. Global and Planetary Change, 2022, 215, 103893.	3.5	23
49	Multiple origins and a narrow genepool characterise the African tea germplasm: concordant patterns revealed by nuclear and plastid DNA markers. Scientific Reports, 2017, 7, 4053.	3.3	22
50	Biogeography and ecological niche evolution in Diapensiaceae inferred from phylogenetic analysis. Journal of Systematics and Evolution, 2020, 58, 646-662.	3.1	22
51	Testing four candidate barcoding markers in temperate woody bamboos (Poaceae: Bambusoideae). Journal of Systematics and Evolution, 2012, 50, 527-539.	3.1	20
52	Incomplete reproductive isolation between Rhododendron taxa enables hybrid formation and persistence. Journal of Integrative Plant Biology, 2019, 61, 433-448.	8.5	20
53	A multidisciplinary approach reveals hidden taxonomic diversity in the morphologically challenging Taxus wallichiana complex. Taxon, 2013, 62, 1161-1177.	0.7	18
54	Multitrophic diversity and biotic associations influence subalpine forest ecosystem multifunctionality. Ecology, 2022, 103, e3745.	3.2	18

#	Article	IF	Citations
55	Biodiversity explains maximum variation in productivity under experimental warming, nitrogen addition, and grazing in mountain grasslands. Ecology and Evolution, 2018, 8, 10094-10112.	1.9	16
56	Evolution and maintenance mechanisms of plant diversity in the Qinghai-Tibet Plateau and adjacent regions: retrospect and prospect. Biodiversity Science, 2017, 25, 41-45.	0.6	16
57	Testing the Complete Plastome for Species Discrimination, Cryptic Species Discovery and Phylogenetic Resolution in Cephalotaxus (Cephalotaxaceae). Frontiers in Plant Science, 2022, 13, .	3.6	16
58	Crossâ€spspecies amplification and development of new microsatellite loci for Taxus wallichiana (Taxaceae). American Journal of Botany, 2011, 98, e70-3.	1.7	15
59	Evolutionary legacy of a forest plantation tree species (Pinus armandii): Implications for widespread afforestation. Evolutionary Applications, 2020, 13, 2646-2662.	3.1	15
60	Differential expressions of anthocyanin synthesis genes underlie flower color divergence in a sympatric Rhododendron sanguineum complex. BMC Plant Biology, 2021, 21, 204.	3.6	15
61	Domestication origin and spread of cultivated tea plants. Biodiversity Science, 2018, 26, 357-372.	0.6	15
62	Molecular evidence for fragmentation among populations of Taxus wallichiana var. mairei, a highly endangered conifer in China. Canadian Journal of Forest Research, 2009, 39, 755-764.	1.7	14
63	Molecular evidence for natural hybridization between Rhododendron spiciferum and R. spinuliferum (Ericaceae). Journal of Systematics and Evolution, 2013, 51, 426-434.	3.1	14
64	<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
65	Isolation and Characterization of Microsatellite Markers in the Endangered Species Taxus wallichiana Using the FIASCO Method. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 2043-2045.	1.0	14
66	Phylogeny and Evolution of Bracts and Bracteoles in Tacca (Dioscoreaceae). Journal of Integrative Plant Biology, 2011, 53, 901-911.	8.5	13
67	Using Mi ddRAD-seq data to develop polymorphic microsatellite markers for an endangered yew species. Plant Diversity, 2017, 39, 294-299.	3.7	12
68	Genetic Diversity and Structure of Persian Walnut (Juglans regia L.) in Pakistan: Implications for Conservation. Plants, 2022, 11, 1652.	3.5	12
69	Genetic diversity of the rare Asian plant, Trigonobalanus doichangensis (Fagaceae). Australian Journal of Botany, 2007, 55, 10.	0.6	11
70	Genetic analysis of walnut cultivars from southwest China: Implications for germplasm improvement. Plant Diversity, 2022, 44, 530-541.	3.7	11
71	A new species of Rhododendron (Ericaceae) from the Gaoligong Mountains, Yunnan, China, supported by morphological and DNA barcoding data. Phytotaxa, 2013, 114, 42.	0.3	10
72	Functional tradeâ€offs and the phylogenetic dispersion of seed traits in a biodiversity hotspot of the Mountains of Southwest China. Ecology and Evolution, 2018, 8, 2218-2230.	1.9	10

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73	Joint effect of phylogenetic relatedness and trait selection on the elevational distribution of Rhododendron species. Journal of Systematics and Evolution, 2020, , .	3.1	10
74	Repeated intercontinental migrations and recurring hybridizations characterise the evolutionary history of yew (Taxus L.). Molecular Phylogenetics and Evolution, 2020, 153, 106952.	2.7	10
75	A Synopsis of Technical Notes on the Standards for Plant DNA Barcoding. Plant Diversity and Resources, 2012, 34, 592.	0.2	10
76	Expressed Sequence Tags (ESTs) and Phylogenetic Analysis of Floral Genes from a Paleoherb Species, Asarum caudigerum. Annals of Botany, 2006, 98, 157-163.	2.9	7
77	Natural hybridization among three Rhododendron species (Ericaceae) revealed by morphological and genomic evidence. BMC Plant Biology, 2021, 21, 529.	3.6	7
78	Characterization of the complete plastid genome of a Chinese endemic species Carya kweichowensis. Mitochondrial DNA Part B: Resources, 2018, 3, 492-493.	0.4	6
79	Development of 32 novel microsatellite loci in Juglans sigillata using genomic data. Applications in Plant Sciences, 2020, 8, e11328.	2.1	6
80	The Next-Generation Flora:iFlora. Plant Diversity and Resources, 2012, 34, 525.	0.2	5
81	Determinants of Genetic Structure in a Highly Heterogeneous Landscape in Southwest China. Frontiers in Plant Science, 2022, 13, 779989.	3.6	5
82	Rhododendron yaoshanense(Ericaceae), a New Species from NE Yunnan, China. Annales Botanici Fennici, 2008, 45, 204-206.	0.1	4
83	Rhododendron qiaojiaense(Ericaceae), a New Species from Yunnan, China. Annales Botanici Fennici, 2009, 46, 67-70.	0.1	4
84	A new species of Amentotaxus (Taxaceae) from China, Vietnam, and Laos. PhytoKeys, 2019, 130, 25-32.	1.0	4
85	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
86	Taxonomic Notes onParnassiaSectionSaxifragastrum(Parnassiaceae) from China. Annales Botanici Fennici, 2009, 46, 559-565.	0.1	2
87	A new species of Rhododendron (Ericaceae) from Jiangxi of China based on morphological and molecular evidences. Phytotaxa, 2018, 356, 267.	0.3	2
88	Isolation and Characterization of 27 Microsatellite Markers for the Endemic Species Diplarche multiflora (Ericaceae). Applications in Plant Sciences, 2013, 1, 1200235.	2.1	1
89	The patterns of vascular plant discoveries in China. Ecology and Evolution, 2021, 11, 12378-12388.	1.9	1
90	Two New Species of Rhododendron (Ericaceae) from China. Novon, 2003, 13, 189.	0.3	0

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91	Microsatellite markers developed for Corallodiscus lanuginosus (Gesneriaceae) and their cross-species transferability. American Journal of Botany, 2012, 99, e490-e492.	1.7	0
92	Five new synonyms in the genus Rhododendron subgen. Azaleastrum (Ericaceae) from China. Acta Phytotaxonomica Sinica, 2006, 44, 604.	0.2	0
93	Genetic Information and Technologies Related to iFlora. Plant Diversity and Resources, 2012, 34, 585.	0.2	0