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	Testing genome skimming for species discrimination in the large and taxonomically difficult genus Rhododendron. Molecular Ecology Resources, 2022, 22, 404-414.	4.8	35
2	Genetic analysis of walnut cultivars from southwest China: Implications for germplasm improvement. Plant Diversity, 2022, 44, 530-541.	3.7	11
3	Phylotranscriptomics of Theaceae: generic-level relationships, reticulation and whole-genome duplication. Annals of Botany, 2022, 129, 457-471.	2.9	23
4	Determinants of Genetic Structure in a Highly Heterogeneous Landscape in Southwest China. Frontiers in Plant Science, 2022, 13, 779989.	3.6	5
5	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
6	Multitrophic diversity and biotic associations influence subalpine forest ecosystem multifunctionality. Ecology, 2022, 103, e3745.	3.2	18
7	Genetic Diversity and Structure of Persian Walnut (Juglans regia L.) in Pakistan: Implications for Conservation. Plants, 2022, 11, 1652.	3.5	12
8	Name and scale matter: Clarifying the geography of Tibetan Plateau and adjacent mountain regions. Global and Planetary Change, 2022, 215, 103893.	3.5	23
9	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
10	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	12.8	28
11	Spatiotemporal maintenance of flora in the Himalaya biodiversity hotspot: Current knowledge and future perspectives. Ecology and Evolution, 2021, 11, 10794-10812.	1.9	38
12	The patterns of vascular plant discoveries in China. Ecology and Evolution, 2021, 11, 12378-12388.	1.9	1
13	Plastid phylogenomic insights into relationships of all flowering plant families. BMC Biology, 2021, 19, 232.	3.8	109
14	Natural hybridization among three Rhododendron species (Ericaceae) revealed by morphological and genomic evidence. BMC Plant Biology, 2021, 21, 529.	3.6	7
15	Joint effect of phylogenetic relatedness and trait selection on the elevational distribution of Rhododendron species. Journal of Systematics and Evolution, 2020, , .	3.1	10
16	Evolutionary legacy of a forest plantation tree species (Pinus armandii): Implications for widespread afforestation. Evolutionary Applications, 2020, 13, 2646-2662.	3.1	15
17	Repeated intercontinental migrations and recurring hybridizations characterise the evolutionary history of yew (Taxus L.). Molecular Phylogenetics and Evolution, 2020, 153, 106952.	2.7	10
18	Biogeography and ecological niche evolution in Diapensiaceae inferred from phylogenetic analysis. Journal of Systematics and Evolution, 2020, 58, 646-662.	3.1	22

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19	Development of 32 novel microsatellite loci in Juglans sigillata using genomic data. Applications in Plant Sciences, 2020, 8, e11328.	2.1	6
20	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
21	Forest community assembly is driven by different strataâ€dependent mechanisms along an elevational gradient. Journal of Biogeography, 2019, 46, 2174-2187.	3.0	32
22	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
23	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
24	Origin of angiosperms and the puzzle of the Jurassic gap. Nature Plants, 2019, 5, 461-470.	9.3	467
25	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
26	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
27	Prevalence of isomeric plastomes and effectiveness of plastome super-barcodes in yews (Taxus) worldwide. Scientific Reports, 2019, 9, 2773.	3.3	54
28	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
29	Incomplete reproductive isolation between Rhododendron taxa enables hybrid formation and persistence. Journal of Integrative Plant Biology, 2019, 61, 433-448.	8.5	20
30	A new species of Amentotaxus (Taxaceae) from China, Vietnam, and Laos. PhytoKeys, 2019, 130, 25-32.	1.0	4
31	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
32	Protect Third Pole's fragile ecosystem. Science, 2018, 362, 1368-1368.	12.6	76
33	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
34	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
35	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
36	<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

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37	Plant phylogenomics based on genome-partitioning strategies: Progress and prospects. Plant Diversity, 2018, 40, 158-164.	3.7	36
38	A new species of Rhododendron (Ericaceae) from Jiangxi of China based on morphological and molecular evidences. Phytotaxa, 2018, 356, 267.	0.3	2
39	Domestication origin and spread of cultivated tea plants. Biodiversity Science, 2018, 26, 357-372.	0.6	15
40	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
41	Asymmetrical natural hybridization varies among hybrid swarms between two diploid Rhododendron species. Annals of Botany, 2017, 120, 51-61.	2.9	28
42	Using Mi ddRAD-seq data to develop polymorphic microsatellite markers for an endangered yew species. Plant Diversity, 2017, 39, 294-299.	3.7	12
43	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
44	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
45	Comparative analyses of plastid genomes from fourteen Cornales species: inferences for phylogenetic relationships and genome evolution. BMC Genomics, 2017, 18, 956.	2.8	40
46	Comparative chloroplast genomes of eleven Schima (Theaceae) species: Insights into DNA barcoding and phylogeny. PLoS ONE, 2017, 12, e0178026.	2.5	34
47	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
48	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
49	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
50	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
51	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
52	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
53	Indications for Three Independent Domestication Events for the Tea Plant (Camellia sinensis (L.) O.) Tj ETQq1 1 0.784314 rgBT /Overl Microsatellites. PLoS ONE, 2016, 11, e0155369.	2.5	51
54	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

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55	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
56	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
57	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
58	Geological and ecological factors drive cryptic speciation of yews in a biodiversity hotspot. New Phytologist, 2013, 199, 1093-1108.	7.3	236
59	Isolation and Characterization of 27 Microsatellite Markers for the Endemic Species Diplarche multiflora (Ericaceae). Applications in Plant Sciences, 2013, 1, 1200235.	2.1	1
60	Molecular evidence for natural hybridization between Rhododendron spiciferum and R. spinuliferum (Ericaceae). Journal of Systematics and Evolution, 2013, 51, 426-434.	3.1	14
61	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
62	A multidisciplinary approach reveals hidden taxonomic diversity in the morphologically challenging Taxus wallichiana complex. Taxon, 2013, 62, 1161-1177.	0.7	18
63	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
64	Microsatellite markers developed for Corallodiscus lanuginosus (Gesneriaceae) and their cross-species transferability. American Journal of Botany, 2012, 99, e490-e492.	1.7	0
65	Testing four candidate barcoding markers in temperate woody bamboos (Poaceae: Bambusoideae). Journal of Systematics and Evolution, 2012, 50, 527-539.	3.1	20
66	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
67	Applying plant DNA barcodes to identify species of Parnassia (Parnassiaceae). Molecular Ecology Resources, 2012, 12, 267-275.	4.8	52
68	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
69	The Next-Generation Flora:iFlora. Plant Diversity and Resources, 2012, 34, 525.	0.2	5
70	A Synopsis of Technical Notes on the Standards for Plant DNA Barcoding. Plant Diversity and Resources, 2012, 34, 592.	0.2	10
71	Genetic Information and Technologies Related to iFlora. Plant Diversity and Resources, 2012, 34, 585.	0.2	0
72	Complete chloroplast genome sequence of Magnolia kwangsiensis (Magnoliaceae): implication for DNA barcoding and population genetics. Genome, 2011, 54, 663-673.	2.0	226

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73	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
74	Phylogeny and Evolution of Bracts and Bracteoles in Tacca (Dioscoreaceae). Journal of Integrative Plant Biology, 2011, 53, 901-911.	8.5	13
75	High universality of matK primers for barcoding gymnosperms. Journal of Systematics and Evolution, 2011, 49, 169-175.	3.1	33
76	Plant DNA barcoding in China. Journal of Systematics and Evolution, 2011, 49, 165-168.	3.1	39
77	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
78	Crossâ€species amplification and development of new microsatellite loci for Taxus wallichiana (Taxaceae). American Journal of Botany, 2011, 98, e70-3.	1.7	15
79	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
80	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
81	Rhododendron qiaojiaense (Ericaceae), a New Species from Yunnan, China. Annales Botanici Fennici, 2009, 46, 67-70.	0.1	4
82	Taxonomic Notes onParnassiaSectionSaxifragastrum(Parnassiaceae) from China. Annales Botanici Fennici, 2009, 46, 559-565.	0.1	2
83	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
84	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
85	Rhododendron yaoshanense (Ericaceae), a New Species from NE Yunnan, China. Annales Botanici Fennici, 2008, 45, 204-206.	0.1	4
86	Genetic diversity of the rare Asian plant, Trigonobalanus doichangensis (Fagaceae). Australian Journal of Botany, 2007, 55, 10.	0.6	11
87	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
88	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
89	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
90	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

#	Article	IF	Citations
91	Five new synonyms in the genus Rhododendron subgen. Azaleastrum (Ericaceae) from China. Acta Phytotaxonomica Sinica, 2006, 44, 604.	0.2	0
92	Paraphyly of Cyrtomium (Dryopteridaceae): evidence from rbcL and trnL-F sequence data. Journal of Plant Research, 2005, 118, 129-135.	2.4	35
93	Two New Species of Rhododendron (Ericaceae) from China. Novon, 2003, 13, 189.	0.3	0