

Charles Harvey Cannon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

4,874
citations

33
h-index

69
g-index

90
ext. papers

5,657
ext. citations

7.1
avg, IF

5.45
L-index

#	Paper	IF	Citations
83	Averting biodiversity collapse in tropical forest protected areas. <i>Nature</i> , 2012 , 489, 290-4	50.4	686
82	Conservation and divergence of plant microRNA genes. <i>Plant Journal</i> , 2006 , 46, 243-59	6.9	593
81	Environmental correlates of tree biomass, basal area, wood specific gravity and stem density gradients in Borneo's tropical forests. <i>Global Ecology and Biogeography</i> , 2010 , 19, 50-60	6.1	228
80	The current refugial rainforests of Sundaland are unrepresentative of their biogeographic past and highly vulnerable to disturbance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11188-93	11.5	228
79	Borneo and Indochina are major evolutionary hotspots for Southeast Asian biodiversity. <i>Systematic Biology</i> , 2014 , 63, 879-901	8.4	190
78	Systematics of Fagaceae: Phylogenetic Tests of Reproductive Trait Evolution. <i>International Journal of Plant Sciences</i> , 2001 , 162, 1361-1379	2.6	185
77	Tree species diversity in commercially logged bornean rainforest. <i>Science</i> , 1998 , 281, 1366-8	33.3	185
76	Exploiting sparseness in de novo genome assembly. <i>BMC Bioinformatics</i> , 2012 , 13 Suppl 6, S1	3.6	176
75	Communities contain closely related species during ecosystem disturbance. <i>Ecology Letters</i> , 2010 , 13, 162-74	10	152
74	The structure of lowland rainforest after selective logging in West Kalimantan, Indonesia. <i>Forest Ecology and Management</i> , 1994 , 67, 49-68	3.9	113
73	Long-term reproductive behaviour of woody plants across seven Bornean forest types in the Gunung Palung National Park (Indonesia): suprannual synchrony, temporal productivity and fruiting diversity. <i>Ecology Letters</i> , 2007 , 10, 956-69	10	109
72	Phylogeography of the Southeast Asian stone oaks (<i>Lithocarpus</i>). <i>Journal of Biogeography</i> , 2003 , 30, 211-226	4.1	107
71	Comparative locomotor ecology of gibbons and macaques: selection of canopy elements for crossing gaps. <i>American Journal of Physical Anthropology</i> , 1994 , 93, 505-24	2.5	104
70	Using species distribution modeling to improve conservation and land use planning of Yunnan, China. <i>Biological Conservation</i> , 2012 , 153, 257-264	6.2	102
69	A floristic analysis of the lowland dipterocarp forests of Borneo. <i>Journal of Biogeography</i> , 2003 , 30, 1517-1531	9.7	97
68	Developing indicators of economic value and biodiversity loss for rubber plantations in Xishuangbanna, southwest China: A case study from Menglun township. <i>Ecological Indicators</i> , 2014 , 36, 788-797	5.8	91
67	An assembly and alignment-free method of phylogeny reconstruction from next-generation sequencing data. <i>BMC Genomics</i> , 2015 , 16, 522	4.5	87

66	Developing Conservation Priorities Based on Forest Type, Condition, and Threats in a Poorly Known Ecoregion: Sulawesi, Indonesia. <i>Biotropica</i> , 2007 , 39, 747-759	2.3	75
65	Environmental correlates for tropical tree diversity and distribution patterns in Borneo. <i>Diversity and Distributions</i> , 2009 , 15, 523-532	5	74
64	Historical distribution of Sundaland's Dipterocarp rainforests at Quaternary glacial maxima. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16790-5	11.5	64
63	Increasing tree cover while losing diverse natural forests in tropical Hainan, China. <i>Regional Environmental Change</i> , 2014 , 14, 611-621	4.3	62
62	Phylogenetic Relationships and Taxonomic Status Of the Paleoendemic Fagaceae Of Western North America: Recognition Of A New Genus, Notholithocarpus. <i>Madroño</i> , 2008 , 55, 181-190	0.4	62
61	DNA extraction from processed wood: A case study for the identification of an endangered timber species (<i>Gonystylus bancanus</i>). <i>Plant Molecular Biology Reporter</i> , 2005 , 23, 185-192	1.7	61
60	Identification of lignin genes and regulatory sequences involved in secondary cell wall formation in <i>Acacia auriculiformis</i> and <i>Acacia mangium</i> via de novo transcriptome sequencing. <i>BMC Genomics</i> , 2011 , 12, 342	4.5	58
59	Major declines of woody plant species ranges under climate change in Yunnan, China. <i>Diversity and Distributions</i> , 2014 , 20, 405-415	5	57
58	The origin, diversification and adaptation of a major mangrove clade (Rhizophoreae) revealed by whole-genome sequencing. <i>National Science Review</i> , 2017 , 4, 721-734	10.8	56
57	Tree species distributions across five habitats in a Bornean rain forest. <i>Journal of Vegetation Science</i> , 2004 , 15, 257-266	3.1	52
56	Soils on exposed Sunda shelf shaped biogeographic patterns in the equatorial forests of Southeast Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12343-7	11.5	51
55	Dissecting the decision making process of scatter-hoarding rodents. <i>Oikos</i> , 2013 , 122, 1027-1034	4	50
54	Rubber and pulp plantations represent a double threat to Hainan's natural tropical forests. <i>Journal of Environmental Management</i> , 2012 , 96, 64-73	7.9	48
53	Combining and comparing morphometric shape descriptors with a molecular phylogeny: the case of fruit type evolution in Bornean <i>Lithocarpus</i> (Fagaceae). <i>Systematic Biology</i> , 2001 , 50, 860-80	8.4	42
52	Evolutionary diversification of alpine ginger reflects the early uplift of the Himalayan-Tibetan Plateau and rapid extrusion of Indochina. <i>Gondwana Research</i> , 2016 , 32, 232-241	5.1	39
51	Can carbon-trading schemes help to protect China's most diverse forest ecosystems? A case study from Xishuangbanna, Yunnan. <i>Land Use Policy</i> , 2014 , 38, 646-656	5.6	38
50	Variable mating behaviors and the maintenance of tropical biodiversity. <i>Frontiers in Genetics</i> , 2015 , 6, 183	4.5	32
49	Tropical botanical gardens: at the in situ ecosystem management frontier. <i>Trends in Plant Science</i> , 2009 , 14, 584-9	13.1	30

48	Pollinator sharing and gene flow among closely related sympatric dioecious fig taxa. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	30
47	The oak syngameon: more than the sum of its parts. <i>New Phytologist</i> , 2020 , 226, 978-983	9.8	28
46	Genome size variation in the Fagaceae and its implications for trees. <i>Tree Genetics and Genomes</i> , 2014 , 10, 977-988	2.1	23
45	Assembly free comparative genomics of short-read sequence data discovers the needles in the haystack. <i>Molecular Ecology</i> , 2010 , 19 Suppl 1, 147-61	5.7	23
44	Seeing the fruit for the trees in Borneo. <i>Conservation Letters</i> , 2011 , 4, 184-191	6.9	23
43	Evidence for a trade-off strategy in stone oak (<i>Lithocarpus</i>) seeds between physical and chemical defense highlights fiber as an important antifeedant. <i>PLoS ONE</i> , 2012 , 7, e32890	3.7	23
42	Inference of Markovian properties of molecular sequences from NGS data and applications to comparative genomics. <i>Bioinformatics</i> , 2016 , 32, 993-1000	7.2	22
41	Fire as a selective force in a Bornean tropical everwet forest. <i>Oecologia</i> , 2010 , 164, 841-9	2.9	21
40	The Role of Botanic Gardens in In Situ Conservation		19
39	Deforestation and fragmentation of natural forests in the upper Changhua watershed, Hainan, China: implications for biodiversity conservation. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 4137	3.1	18
38	Footprints of divergent selection in natural populations of <i>Castanopsis fargesii</i> (Fagaceae). <i>Heredity</i> , 2014 , 113, 533-41	3.6	18
37	Competition and Niche Overlap Between Gibbons (<i>Hylobates albibarbis</i>) and Other Frugivorous Vertebrates in Gunung Palung National Park, West Kalimantan, Indonesia 2009 , 161-188		18
36	Mass fruiting in Borneo: a missed opportunity. <i>Science</i> , 2010 , 330, 584	33.3	17
35	Molecular evolutionary analysis of the Alfin-like protein family in <i>Arabidopsis lyrata</i> , <i>Arabidopsis thaliana</i> , and <i>Thellungiella halophila</i> . <i>PLoS ONE</i> , 2013 , 8, e66838	3.7	14
34	How does conversion of natural tropical rainforest ecosystems affect soil bacterial and fungal communities in the Nile river watershed of Uganda?. <i>PLoS ONE</i> , 2014 , 9, e104818	3.7	13
33	Exploring the potential of gametic reconstruction of parental genotypes by F hybrids as a bridge for rapid introgression. <i>Genome</i> , 2017 , 60, 713-719	2.4	12
32	Pseudo-Sanger sequencing: massively parallel production of long and near error-free reads using NGS technology. <i>BMC Genomics</i> , 2013 , 14, 711	4.5	11
31	Development of high-throughput SNP-based genotyping in <i>Acacia auriculiformis</i> x <i>A. mangium</i> hybrids using short-read transcriptome data. <i>BMC Genomics</i> , 2012 , 13, 726	4.5	11

30	Genomic Identity of White Oak Species in an Eastern North American Syngameon. <i>Annals of the Missouri Botanical Garden</i> , 2019 , 104, 455-477	1.8	11
29	Quaternary dynamics of Sundaland forests 115-137		9
28	Tree species distributions across five habitats in a Bornean rain forest 2004 , 15, 257		9
27	Limited Edge Effects Along a Burned-Unburned Bornean Forest Boundary Seven Years after Disturbance. <i>Biotropica</i> , 2011 , 43, 288-298	2.3	8
26	Genomic evidence of prevalent hybridization throughout the evolutionary history of the fig-wasp pollination mutualism. <i>Nature Communications</i> , 2021 , 12, 718	17.4	8
25	Drone-based photogrammetry for the construction of high-resolution models of individual trees. <i>Trees - Structure and Function</i> , 2019 , 33, 1385-1397	2.6	7
24	Phylogeny and evolution of bracts and bracteoles in <i>Tacca</i> (Dioscoreaceae). <i>Journal of Integrative Plant Biology</i> , 2011 , 53, 901-11	8.3	7
23	The Bornean <i>Lithocarpus</i> Bl. section <i>Synaedrys</i> (Lindl.) Barnett (Fagaceae): its circumscription and description of a new species. <i>Botanical Journal of the Linnean Society</i> , 2000 , 133, 343-357	2.2	7
22	Botanic gardens should lead the way to create a "Garden Earth" in the Anthropocene. <i>Plant Diversity</i> , 2017 , 39, 331-337	2.9	6
21	Cross-specific amplification of microsatellite DNA markers in <i>Shorea platyclados</i> . <i>Journal of Forestry Research</i> , 2016 , 27, 27-32	2	6
20	Demography and destiny: The syngameon in hyperdiverse systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8105	11.5	5
19	Capturing genomic signatures of DNA sequence variation using a standard anonymous microarray platform. <i>Nucleic Acids Research</i> , 2006 , 34, e121	20.1	5
18	Microsatellite DNA markers in <i>Shorea platyclados</i> (Dipterocarpaceae): genetic diversity, size homoplasy and mother trees. <i>Journal of Forest Science</i> , 2014 , 60, 18-27	0.9	4
17	Protein domain analysis of genomic sequence data reveals regulation of LRR related domains in plant transpiration in <i>Ficus</i> . <i>PLoS ONE</i> , 2014 , 9, e108719	3.7	4
16	Reference-free comparative genomics of 174 chloroplasts. <i>PLoS ONE</i> , 2012 , 7, e48995	3.7	4
15	Impact of socio-economic status on the implementation of China's collective forest tenure reform in Zhang Guying Township, Hunan: potential for increasing disparity. <i>Forestry</i> , 2011 , 84, 327-335	2.2	4
14	Extending Our Scientific Reach in Arboreal Ecosystems for Research and Management. <i>Frontiers in Forests and Global Change</i> , 2021 , 4,	3.7	4
13	Novel insights into karyotype evolution and whole genome duplications in legumes		4

12	Application of remote sensing technology to estimate productivity and assess phylogenetic heritability. <i>Applications in Plant Sciences</i> , 2020 , 8, e11401	2.3	3
11	Associated morphometric and geospatial differentiation among 98 species of stone oaks (Lithocarpus). <i>PLoS ONE</i> , 2018 , 13, e0199538	3.7	3
10	Patterns of genomic diversification reflect differences in life history and reproductive biology between figs (Ficus) and the stone oaks (Lithocarpus). <i>Genome</i> , 2017 , 60, 756-761	2.4	2
9	The Bornean Lithocarpus B1. section <i>Synaedrys</i> (Lindl.) Barnett (Fagaceae): its circumscription and description of a new species. <i>Botanical Journal of the Linnean Society</i> , 2000 , 133, 343-357	2.2	2
8	Discovering and Applying the Urban Rules of Life to Design Sustainable and Healthy Cities. <i>Integrative and Comparative Biology</i> , 2021 , 61, 1237-1252	2.8	2
7	Building a tree observatory. <i>Acta Horticulturae</i> , 2018 , 85-92	0.3	2
6	Fruit development of Lithocarpus (Fagaceae) and the role of heterochrony in their evolution. <i>Journal of Plant Research</i> , 2020 , 133, 217-229	2.6	1
5	Conserved DNA polymorphisms distinguish species in the eastern North American white oak syngameon: Insights from an 80-SNP oak DNA genotyping toolkit		1
4	Comment on "Eocene Fagaceae from Patagonia and Gondwanan legacy in Asian rainforests". <i>Science</i> , 2019 , 366,	33.3	1
3	Asking half the question in explaining tropical diversity.. <i>Trends in Ecology and Evolution</i> , 2022 ,	10.9	1
2	Reply to Letter to the editor regarding the article Developing indicators of economic value and biodiversity loss for rubber plantations in Xishuangbanna, southwest China: A case study from Menglun township by Yi et al. (2014) published in <i>Ecological Indicators</i> 36 (2014), 788-797 <i>Ecological Indicators</i> , 2016 , 66, 632-633	5.8	0
1	Lithocarpus pulongtauensis (Fagaceae), a New Species from Borneo. <i>Annales Botanici Fennici</i> , 2011 , 48, 495-498	0.3	