Gwilym P Lewis

List of Publications by Year
in descending order

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106 papers	4,980 citations	201674 27 h-index	106344 65 g-index
107 all docs	107 docs citations	107 times ranked	5689 citing authors

#	Article	IF	Citations
1	Growing knowledge: an overview of Seed Plant diversity in Brazil. Rodriguesia, 2015, 66, 1085-1113.	0.9	1,032
2	A new subfamily classification of the Leguminosae based on a taxonomically comprehensive phylogeny: The Legume Phylogeny Working Group (LPWG). Taxon, 2017, 66, 44-77.	0.7	803
3	Legume phylogeny and classification in the 21st century: Progress, prospects and lessons for other speciesâ€“rich clades. Taxon, 2013, 62, 217-248.	0.7	305
4	Phylogenetic patterns and diversification in the caesalpinioid legumesThis paper is one of a selection of papers published in the Special Issue on Systematics Research.. Botany, 2008, 86, 697-718.	1.0	257
5	Extinction risk and threats to plants and fungi. Plants People Planet, 2020, 2, 389-408.	3.3	242
6	Contrasting plant diversification histories within the Andean biodiversity hotspot. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13783-13787.	7.1	191
7	Metacommunity process rather than continental tectonic history better explains geographically structured phylogenies in legumes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 1509-1522.	4.0	156
8	Taxonomy based on science is necessary for global conservation. PLoS Biology, 2018, 16, e2005075.	5.6	149
9	New Guinea has the worldâ€™s richest island flora. Nature, 2020, 584, 579-583.	27.8	108
10	A new generic system for the pantropical Caesalpinia group (Leguminosae). PhytoKeys, 2016, 71, 1-160.	1.0	96
11	The genus Bauhinia s.l. (Leguminosae): a phylogeny based on the plastid trnLâ€“trnF region. Botany, 2009, 87, 947-960.	1.0	94
12	Distinct chemotypes of Tephrosia vogelii and implications for their use in pest control and soil enrichment. Phytochemistry, 2012, 78, 135-146.	2.9	84
13	Flavonol tetraglycosides from fruits of Styphnolobium japonicum (Leguminosae) and the authentication of Fructus Sophorae and Flos Sophorae. Phytochemistry, 2009, 70, 785-794.	2.9	75
14	Brazilian Flora 2020: Leveraging the power of a collaborative scientific network. Taxon, 2022, 71, 178-198.	0.7	68
15	Flavonoid glycosides of the black locust tree, Robinia pseudoacacia (Leguminosae). Phytochemistry, 2010, 71, 479-486.	2.9	64
16	Global Succulent Biome phylogenetic conservatism across the pantropical Caesalpinia Group (Leguminosae). New Phytologist, 2019, 222, 1994-2008.	7.3	64
17	Phylogeny of Calliandra (Leguminosae: Mimosoideae) based on nuclear and plastid molecular markers. Taxon, 2013, 62, 1200-1219.	0.7	63
18	A phylogenetic reappraisal of the Peltophorum group (Caesalpinieae: Leguminosae) based on the chloroplast trnLâ€F, rbcL and rps16 sequence data. American Journal of Botany, 2005, 92, 1359-1371.	1.7	53

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19	Maximising Synergy among Tropical Plant Systematists, Ecologists, and Evolutionary Biologists. Trends in Ecology and Evolution, 2017, 32, 258-267.	8.7	52
20	Hybrid capture of 964 nuclear genes resolves evolutionary relationships in the mimosoid legumes and reveals the polytomous origins of a large pantropical radiation. American Journal of Botany, 2020, 107, 1710-1735.	1.7	51
21	Evolutionary diversity in tropical tree communities peaks at intermediate precipitation. Scientific Reports, 2020, 10, 1188.	3.3	41
22	Reproductive biology ofCaesalpinia calycina andC. pluviosa (Leguminosae) of the caatinga of north-eastern Brazil. Plant Systematics and Evolution, 1999, 217, 43-53.	0.9	39
23	Filling in the gaps of the papilionoid legume phylogeny: The enigmatic Amazonian genus Petaladenium is a new branch of the early-diverging Amburaneae clade. Molecular Phylogenetics and Evolution, 2015, 84, 112-124.	2.7	39
24	A new phylogeny-based tribal classification of subfamily Detarioideae, an early branching clade of florally diverse tropical arborescent legumes. Scientific Reports, 2018, 8, 6884.	3.3	38
25	Reproductive isolation between diploid and tetraploid cytotypes of Libidibia ferrea (= Caesalpinia) Tj ETQq1 1 0.784314 rgBT /Overloc 298, 1371-1381.	0.9	35
26	Maraniona. A New Dalbergioid Legume Genus (Leguminosae, Papilionoideae) from Peru. Systematic Botany, 2004, 29, 366-374.	0.5	34
27	Heterochromatic and cytomolecular diversification in the Caesalpinia group (Leguminosae): Relationships between phylogenetic and cytogeographical data. Perspectives in Plant Ecology, Evolution and Systematics, 2017, 29, 51-63.	2.7	30
28	Do tropical plants have smaller genomes? Correlation between genome size and climatic variables in the Caesalpinia Group (Caesalpinioideae, Leguminosae). Perspectives in Plant Ecology, Evolution and Systematics, 2019, 38, 13-23.	2.7	30
29	Tabaroa, a new genus of Leguminosae tribe Brongniartieae from Brazil. Kew Bulletin, 2010, 65, 189-203.	0.9	28
30	Acacia, the 2011 Nomenclature Section in Melbourne, and beyond. Taxon, 2010, 59, 1188-1195.	0.7	27
31	A new cryptic species in a new cryptic genus in the Caesalpinia group (Leguminosae) from the seasonally dry interâ€Andean valleys of South America. Taxon, 2015, 64, 468-490.	0.7	27
32	A phylogenetic framework of the legume genus Aeschynomene for comparative genetic analysis of the Nod-dependent and Nod-independent symbioses. BMC Plant Biology, 2018, 18, 333.	3.6	27
33	Alkaloids of the genus Poecilanthe (Leguminosae: Papilionoideae). Biochemical Systematics and Ecology, 1995, 23, 547-553.	1.3	25
34	Wood Anatomy of Caesalpinia S.S., Coulteria, Erythrostemon, Guilandina, Libidibia, Mezoneuron, Poincianella, Pomaria and Tara (Leguminosae, Caesalpinioideae, Caesalpinieae). IAWA Journal, 2009, 30, 247-276.	2.7	25
35	Botanical Monography in the Anthropocene. Trends in Plant Science, 2021, 26, 433-441.	8.8	23
36	Acylated flavonol tri- and tetraglycosides in the flavonoid metabolome of Cladrastis kentukea (Leguminosae). Phytochemistry, 2011, 72, 372-384.	2.9	21

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37	Cryptic Speciation in the Caesalpinia hintonii Complex (Leguminosae: Caesalpinioideae) in a Seasonally Dry Mexican Forest. Annals of Botany, 2007, 100, 1307-1314.	2.9	20
38	A Molecular Phylogeny and New Infrageneric Classification ofMucunaAdans. (Leguminosae-Papilionoideae) including Insights from Morphology and Hypotheses about Biogeography. International Journal of Plant Sciences, 2016, 177, 76-89.	1.3	20
39	DNA Sequence Variation among Conspecific Accessions of the Legume Coursetia caribaea Reveals Geographically Localized Clades Here Ranked as Species. Systematic Botany, 2018, 43, 664-675.	0.5	20
40	Flavonol pentaglycosides of Cordyla (Leguminosae: Papilionoideae: Swartzieae): Distribution and taxonomic implications. Phytochemistry, 2008, 69, 2329-2335.	2.9	19
41	Naturally occurring variations in the nod-independent model legume Aeschynomene evenia and relatives: a resource for nodulation genetics. BMC Plant Biology, 2018, 18, 54.	3.6	17
42	Evolutionary convergence or homology? Comparative cytogenomics of Caesalpinia group species (Leguminosae) reveals diversification in the pericentromeric heterochromatic composition. Planta, 2019, 250, 2173-2186.	3.2	17
43	Evolution of pollen, stigmas and ovule numbers at the caesalpinioid-mimosoid interface (Fabaceae). Botanical Journal of the Linnean Society, 0, 162, 594-615.	1.6	16
44	Mildbraedin, a novel kaempferol tetraglycoside from the tropical forest legume Mildbraediodendron excelsum. Tetrahedron Letters, 2005, 46, 8595-8598.	1.4	14
45	Maximizing the phylogenetic diversity of seed banks. Conservation Biology, 2015, 29, 370-381.	4.7	14
46	Palynological contribution to the systematics and taxonomy of Bauhinia s.l. (Leguminosae: Cercideae). South African Journal of Botany, 2013, 89, 219-226.	2.5	13
47	A molecular phylogeny reveals the Cuban enigmatic genus Behaimia as a new piece in the Brongniartieae puzzle of papilionoid legumes. Molecular Phylogenetics and Evolution, 2017, 109, 191-202.	2.7	13
48	Lachesiodendron, a new monospecific genus segregated from Piptadenia (Leguminosae:) Tj ETQq0 0 0 rgBT /Overlock 10	0.7	13
49	How diverse is heterochromatin in the Caesalpinia group? Cytogenomic characterization of Erythrostemon hughesii Gagnon & G.P. Lewis (Leguminosae: Caesalpinioideae). Planta, 2020, 252, 49.	3.2	13
50	Secretory structures of the Adesmia clade (Leguminosae): Implications for evolutionary adaptation in dry environments. Perspectives in Plant Ecology, Evolution and Systematics, 2021, 48, 125588.	2.7	12
51	The Acacia controversy resulting from minority rule at the Vienna Nomenclature Section: Much more than arcane arguments and complex technicalities. Taxon, 2011, 60, 852-857.	0.7	11
52	Floral evolution and phylogeny of the Dialioideae, a diverse subfamily of tropical legumes. American Journal of Botany, 2017, 104, 1019-1041.	1.7	11
53	Phylogeny of the Neotropical legume genera Zygia and Marmaroxylon and close relatives. Taxon, 2019, 68, 661-672.	0.7	11
54	The floral scent of Cyathostegia mathewsii (Leguminosae, Papilionoideae) and preliminary observations on reproductive biology. Biochemical Systematics and Ecology, 2003, 31, 951-962.	1.3	10

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55	Evolution and diversity of pollen morphology in tribe Cercideae (Leguminosae). Taxon, 2014, 63, 299-314.	0.7	10
56	The distribution of glutathione and homoglutathione in leaf, root and seed tissue of 73 species across the three sub-families of the Leguminosae. Phytochemistry, 2015, 115, 175-183.	2.9	10
57	853. SOPHORA CASSIOIDES. Curtis's Botanical Magazine, 2016, 33, 338-346.	0.3	10
58	Phylogenetically informative pollen structures of â€˜caesalpinioidâ€™ pollen (Caesalpinioideae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Linnean Society, 2018, 187, 59-86.	1.6	10
59	The evolutionary dynamics of ancient and recent polyploidy in the African semiaquatic species of the legume genus Aeschynomene. New Phytologist, 2016, 211, 1077-1091.	7.3	9
60	Bioactive compounds from Stuhlmannia moavi from the Madagascar dry forest. Bioorganic and Medicinal Chemistry, 2013, 21, 7591-7594.	3.0	8
61	A New Infrageneric Classification of <I>Mucuna</I> (Leguminosae-Papilionoideae): Supported by Morphology, Molecular Phylogeny and Biogeography. Systematic Botany, 2016, 41, 606-616.	0.5	8
62	New Insights into the Systematics and Biology of Brazilian Leguminosae (Fabaceae). International Journal of Plant Sciences, 2016, 177, 1-2.	1.3	8
63	Revisiting the cytomolecular evolution of the Caesalpinia group (Leguminosae): a broad sampling reveals new correlations between cytogenetic and environmental variables. Plant Systematics and Evolution, 2020, 306, 1.	0.9	8
64	A new species of Caesalpinia from the RÃo Balsas Depression, Mexico, and an updated taxonomic circumscription of the Caesalpinia hintonii complex (Leguminosae: Caesalpinioideae: Caesalpinieae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	8
65	Pollen morphology of the Dimorphandra group (Leguminosae, Caesalpinioideae). Grana, 2009, 48, 19-26.	0.8	7
66	A revision of the South American genus Apuleia (Leguminosae, Cassieae). Kew Bulletin, 2010, 65, 225-232.	0.9	7
67	Mucuna globulifera (Leguminosae: Papilionoideae), a new species from Costa Rica, Panama and Colombia. Kew Bulletin, 2013, 68, 151-155.	0.9	7
68	A Taxonomic Revision of <I>Mucuna</I> (Fabaceae: Papilionoideae: Phaseoleae) in Brazil. Systematic Botany, 2013, 38, 631-637.	0.5	7
69	Paleorelicts or archaeophytes: Enigmatic trees in the Middle East. Journal of Arid Environments, 2017, 137, 69-82.	2.4	7
70	A synopsis of Coulteria (Leguminosae), including new names and synonyms. Phytotaxa, 2017, 291, 33.	0.3	7
71	Morphological variation in pollen grains of Mucuna (Leguminosae): new biogeographic and evolutionary patterns. Plant Systematics and Evolution, 2018, 304, 861-869.	0.9	7
72	Eriosema hatschbachii (Leguminosae, Papilionoideae), a new species from Minas Gerais, Brazil. Kew Bulletin, 2013, 68, 641-645.	0.9	6

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73	A settled sub-family for the orphan tree: The phylogenetic position of the endemic Colombian genus Orphanodendron in the Leguminosae. Brittonia, 2017, 69, 62-70.	0.2	6
74	A new infrageneric classification of the pantropical genusChamaecrista(Fabaceae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (Botanical Journal of the Linnean Society, 2021, 197, 350-395.	1.6	6
75	A new species of Macroptilium (Benth.) Urb. (Leguminosae: Papilionoideae: Phaseolinae) from North-Eastern Brazil. Kew Bulletin, 2008, 63, 151-154.	0.9	5
76	Two new species of Lonchocarpus (Leguminosae, Papilionoideae, Millettieae) from Brazil. Kew Bulletin, 2010, 65, 29-35.	0.9	5
77	Orphanodendron grandiflorum, una nueva especie de leguminosa (Leguminosae, Papilionoideae) de los Andes de Colombia. Brittonia, 2015, 67, 37-42.	0.2	5
78	Bolivian Mimosa (Leguminosae, Mimosoideae): three new species and a species checklist. Phytotaxa, 2016, 260, 201.	0.3	5
79	Shaping knowledge on legume morphology. Botanical Journal of the Linnean Society, 2018, 187, 1-4.	1.6	5
80	Lectotypification of names of Neotropical species of <I>Mucuna</I> (Leguminosae: Papilionoideae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	4
81	Pantropical diversification of padauk trees and relatives was influenced by biomeâ€switching and longâ€distance dispersal. Journal of Biogeography, 0, , .	3.0	4
82	A synopsis of Pseudovigna (Leguminosae: Papilionoideae) including a new species, P. sulaensis, from Sierra Leone. Kew Bulletin, 2011, 66, 589-599.	0.9	3
83	Taxonomic Studies in <I>Mucuna</I> Adans. (Leguminosae - Papilionoideae) from Peru. Systematic Botany, 2014, 39, 884-896.	0.5	3
84	A revision of the neotropical Mucuna species (Leguminosaeâ€”Papilionoideae). Phytotaxa, 2018, 337, 1.	0.3	3
85	Molecular phylogenetic insights into the evolution ofEriosema(Fabaceae): a recent tropical savanna-adapted genus. Botanical Journal of the Linnean Society, 2020, 194, 439-459.	1.6	3
86	Molecular and Morphological Analysis Supports the Separation of Robrichia as a Genus Distinct from Enterolobium (Leguminosae: Caesalpinioideae: Mimosoid Clade). Systematic Botany, 2022, 47, 268-277.	0.5	3
87	SEARCHING FOR LEGUMES IN THE CAATINGA, SOUTH-EASTERN PIAUÃ, BRAZIL. Curtis's Botanical Magazine, 1985, 2, 214-225.	0.3	2
88	(2283) Proposal to reject the name <I>Dolichos altissimus</I> (<I>Leguminosae</I>:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (<I>P	0.7	2
89	Monomethyl ethers of 4,5-dihydroxypipecolic acid from Petaladenium urceoliferum : Enigmatic chemistry of an enigmatic legume. Phytochemistry, 2015, 116, 198-202.	2.9	2
90	954. DELONIX REGIA. Curtis's Botanical Magazine, 2020, 37, 324-331.	0.3	2

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91	A new species of Erythrostemon (Leguminosae, Caesalpinioideae) from the western RÃo Balsas Depression, Mexico. PhytoKeys, 2017, 76, 31-38.	1.0	2
92	Plate 325. Zollernia splendens. Curtis's Botanical Magazine, 1997, 14, 194-197.	0.3	1
93	Flora Iberica Plantas Vasculares de la Peninsula Iberica e Islas Baleares. Vol. VII (I). Leguminosae.. Kew Bulletin, 2000, 55, 508.	0.9	1
94	Plate 399. Andira inermis subsp. inermis. Curtis's Botanical Magazine, 2000, 17, 188-194.	0.3	1
95	Zygia nubigena sp. nov. (Leguminosae-Mimosoideae) from a submontane cloud forest in western Ecuador. Nordic Journal of Botany, 2010, 28, 453-456.	0.5	1
96	732. CALLERYA CINEREA. Curtis's Botanical Magazine, 2012, 29, 137-143.	0.3	1
97	Erythrostemon sousanus (Leguminosae: Caesalpinioideae), a new species from the RÃo Papagayo Basin in Guerrero, MÃ©xico. Phytotaxa, 2017, 308, 289.	0.3	1
98	A new species of Chamaecrista sect. Absus (Leguminosae, Caesalpinioideae) from Minas Gerais, Brazil, with Notes on Leaf Anatomy. Phytotaxa, 2022, 536, 252-260.	0.3	1
99	Flora of the Venezuelan Guyana, Volume 4, Caesalpiniaceae: Ericaceae. Kew Bulletin, 1998, 53, 1017.	0.9	0
100	557. Eucrosia Mirabilis.. Curtis's Botanical Magazine, 2006, 23, 157-162.	0.3	0
101	Sturt Pea â€" A most splendid plant - by David Symon and Manfred Jusaitis. Curtis's Botanical Magazine, 2008, 25, 188-189.	0.3	0
102	Zornia decussata (Leguminosae: Papilionoideae: Dalbergieae), a new species from the Amazon region of Venezuela. Kew Bulletin, 2009, 64, 719-721.	0.9	0
103	Bernard Verdcourt (1925 â€“ 2011). Kew Bulletin, 2013, 68, 527-534.	0.9	0
104	Four new species of Bauhinia sect. Pauletia and a new description of Bauhinia burchellii Bentham (Leguminosae) from Brazil. Phytotaxa, 2015, 239, 264.	0.3	0
105	Una nueva variedad de Orphanodendron grandiflorum (Leguminosae: Papilionoideae) de Colombia. Brittonia, 2021, 73, 431.	0.2	0
106	Systematics of Vigna subgenus Lasiospron (Leguminosae: Papilionoideae: Phaseolinae). Systematic Botany, 2022, 47, 97-124.	0.5	0