

# Gwilym P Lewis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8425667/publications.pdf>

Version: 2024-02-01

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	A new species of <i>Chamaecrista</i> sect. <i>Absus</i> (Leguminosae, Caesalpinioideae) from Minas Gerais, Brazil, with Notes on Leaf Anatomy. <i>Phytotaxa</i> , 2022, 536, 252-260.	0.3	1
2	Molecular and Morphological Analysis Supports the Separation of <i>Robrichia</i> as a Genus Distinct from <i>Enterolobium</i> (Leguminosae: Caesalpinioideae: Mimosoid Clade). <i>Systematic Botany</i> , 2022, 47, 268-277.	0.5	3
3	Systematics of <i>Vigna</i> subgenus <i>Lasiopron</i> (Leguminosae: Papilionoideae: Phaseolinae). <i>Systematic Botany</i> , 2022, 47, 97-124.	0.5	0
4	Brazilian Flora 2020: Leveraging the power of a collaborative scientific network. <i>Taxon</i> , 2022, 71, 178-198.	0.7	68
5	Secretory structures of the <i>Adesmia</i> clade (Leguminosae): Implications for evolutionary adaptation in dry environments. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2021, 48, 125588.	2.7	12
6	A new infrageneric classification of the pantropical genus <i>Chamaecrista</i> (Fabaceae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td ( Botanical Journal of the Linnean Society, 2021, 197, 350-395.	1.6	6
7	Botanical Monography in the Anthropocene. <i>Trends in Plant Science</i> , 2021, 26, 433-441.	8.8	23
8	Una nueva variedad de <i>Orphanodendron grandiflorum</i> (Leguminosae: Papilionoideae) de Colombia. <i>Brittonia</i> , 2021, 73, 431.	0.2	0
9	Extinction risk and threats to plants and fungi. <i>Plants People Planet</i> , 2020, 2, 389-408.	3.3	242
10	Hybrid capture of 964 nuclear genes resolves evolutionary relationships in the mimosoid legumes and reveals the polytomous origins of a large pantropical radiation. <i>American Journal of Botany</i> , 2020, 107, 1710-1735.	1.7	51
11	New Guinea has the world's richest island flora. <i>Nature</i> , 2020, 584, 579-583.	27.8	108
12	Molecular phylogenetic insights into the evolution of <i>Eriosema</i> (Fabaceae): a recent tropical savanna-adapted genus. <i>Botanical Journal of the Linnean Society</i> , 2020, 194, 439-459.	1.6	3
13	How diverse is heterochromatin in the <i>Caesalpinia</i> group? Cytogenomic characterization of <i>Erythrostemon hughesii</i> Gagnon & G.P. Lewis (Leguminosae: Caesalpinioideae). <i>Planta</i> , 2020, 252, 49.	3.2	13
14	954. <i>DELONIX REGIA</i> . <i>Curtis's Botanical Magazine</i> , 2020, 37, 324-331.	0.3	2
15	Revisiting the cytomolecular evolution of the <i>Caesalpinia</i> group (Leguminosae): a broad sampling reveals new correlations between cytogenetic and environmental variables. <i>Plant Systematics and Evolution</i> , 2020, 306, 1.	0.9	8
16	Evolutionary diversity in tropical tree communities peaks at intermediate precipitation. <i>Scientific Reports</i> , 2020, 10, 1188.	3.3	41
17	Evolutionary convergence or homology? Comparative cytogenomics of <i>Caesalpinia</i> group species (Leguminosae) reveals diversification in the pericentromeric heterochromatic composition. <i>Planta</i> , 2019, 250, 2173-2186.	3.2	17
18	Phylogeny of the Neotropical legume genera <i>Zygia</i> and <i>Marmaroxylon</i> and close relatives. <i>Taxon</i> , 2019, 68, 661-672.	0.7	11

#	ARTICLE	IF	CITATIONS
19	Do tropical plants have smaller genomes? Correlation between genome size and climatic variables in the Caesalpinia Group (Caesalpinioideae, Leguminosae). <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2019, 38, 13-23.	2.7	30
20	Global Succulent Biome phylogenetic conservatism across the pantropical Caesalpinia Group (Leguminosae). <i>New Phytologist</i> , 2019, 222, 1994-2008.	7.3	64
21	Shaping knowledge on legume morphology. <i>Botanical Journal of the Linnean Society</i> , 2018, 187, 1-4.	1.6	5
22	Phylogenetically informative pollen structures of <i>caesalpinioideae</i> ™ pollen (Caesalpinioideae.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Linnean Society</i> , 2018, 187, 59-86.	1.6	10
23	A new phylogeny-based tribal classification of subfamily Detarioideae, an early branching clade of florally diverse tropical arborescent legumes. <i>Scientific Reports</i> , 2018, 8, 6884.	3.3	38
24	A revision of the neotropical <i>Mucuna</i> species (Leguminosaeâ€”Papilionoideae). <i>Phytotaxa</i> , 2018, 337, 1.	0.3	3
25	A phylogenetic framework of the legume genus <i>Aeschynomene</i> for comparative genetic analysis of the Nod-dependent and Nod-independent symbioses. <i>BMC Plant Biology</i> , 2018, 18, 333.	3.6	27
26	Morphological variation in pollen grains of <i>Mucuna</i> (Leguminosae): new biogeographic and evolutionary patterns. <i>Plant Systematics and Evolution</i> , 2018, 304, 861-869.	0.9	7
27	<i>Lachesiodendron</i> , a new monospecific genus segregated from <i>Piptadenia</i> (Leguminosae:) <i>Tj ETQq1 1 0,784314 rgBT /O</i>	0.7	13
28	Naturally occurring variations in the nod-independent model legume <i>Aeschynomene evenia</i> and relatives: a resource for nodulation genetics. <i>BMC Plant Biology</i> , 2018, 18, 54.	3.6	17
29	DNA Sequence Variation among Conspecific Accessions of the Legume <i>Coursetia caribaea</i> Reveals Geographically Localized Clades Here Ranked as Species. <i>Systematic Botany</i> , 2018, 43, 664-675.	0.5	20
30	Taxonomy based on science is necessary for global conservation. <i>PLoS Biology</i> , 2018, 16, e2005075.	5.6	149
31	Paleorelicts or archaeophytes: Enigmatic trees in the Middle East. <i>Journal of Arid Environments</i> , 2017, 137, 69-82.	2.4	7
32	A synopsis of <i>Coulteria</i> (Leguminosae), including new names and synonyms. <i>Phytotaxa</i> , 2017, 291, 33.	0.3	7
33	A molecular phylogeny reveals the Cuban enigmatic genus <i>Behaimia</i> as a new piece in the <i>Brongnartieae</i> puzzle of papilionoid legumes. <i>Molecular Phylogenetics and Evolution</i> , 2017, 109, 191-202.	2.7	13
34	A new subfamily classification of the Leguminosae based on a taxonomically comprehensive phylogeny: The Legume Phylogeny Working Group (LPWG). <i>Taxon</i> , 2017, 66, 44-77.	0.7	803
35	Maximising Synergy among Tropical Plant Systematists, Ecologists, and Evolutionary Biologists. <i>Trends in Ecology and Evolution</i> , 2017, 32, 258-267.	8.7	52
36	Floral evolution and phylogeny of the <i>Dialioideae</i> , a diverse subfamily of tropical legumes. <i>American Journal of Botany</i> , 2017, 104, 1019-1041.	1.7	11

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Erythrostemon sousanus (Leguminosae: Caesalpinioideae), a new species from the R�o Papagayo Basin in Guerrero, M�xico. Phytotaxa, 2017, 308, 289.	0.3	1
40	A new species of Erythrostemon (Leguminosae, Caesalpinioideae) from the western R�o Balsas Depression, Mexico. PhytoKeys, 2017, 76, 31-38.	1.0	2
41	A new generic system for the pantropical Caesalpinia group (Leguminosae). PhytoKeys, 2016, 71, 1-160.	1.0	96
42	The evolutionary dynamics of ancient and recent polyploidy in the African semiaquatic species of the legume genus <i>Aeschynomene</i> . New Phytologist, 2016, 211, 1077-1091.	7.3	9
43	Bolivian Mimosa (Leguminosae, Mimosoideae): three new species and a species checklist. Phytotaxa, 2016, 260, 201.	0.3	5
44	853. SOPHORA CASSIOIDES. Curtis's Botanical Magazine, 2016, 33, 338-346.	0.3	10
45	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
46	A Molecular Phylogeny and New Infrageneric Classification of <i>Mucuna</i> Adans. (Leguminosae-Papilionoideae) including Insights from Morphology and Hypotheses about Biogeography. International Journal of Plant Sciences, 2016, 177, 76-89.	1.3	20
47	New Insights into the Systematics and Biology of Brazilian Leguminosae (Fabaceae). International Journal of Plant Sciences, 2016, 177, 1-2.	1.3	8
48	Four new species of Bauhinia sect. Pauletia and a new description of Bauhinia burchellii Benth (Leguminosae) from Brazil. Phytotaxa, 2015, 239, 264.	0.3	0
49	Growing knowledge: an overview of Seed Plant diversity in Brazil. Rodriguesia, 2015, 66, 1085-1113.	0.9	1,032
50	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
51	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
52	Orphanodendron grandiflorum, una nueva especie de leguminosa (Leguminosae, Papilionoideae) de los Andes de Colombia. Brittonia, 2015, 67, 37-42.	0.2	5
53	Monomethyl ethers of 4,5-dihydroxypiperic acid from Petaladenium urceoliferum : Enigmatic chemistry of an enigmatic legume. Phytochemistry, 2015, 116, 198-202.	2.9	2
54	A new cryptic species in a new cryptic genus in the <i>Caesalpinia</i> group (Leguminosae) from the seasonally dry inter-Andean valleys of South America. Taxon, 2015, 64, 468-490.	0.7	27

#	ARTICLE	IF	CITATIONS
55	Maximizing the phylogenetic diversity of seed banks. <i>Conservation Biology</i> , 2015, 29, 370-381.	4.7	14
56	Taxonomic Studies in <i>Mucuna</i> Adans. (Leguminosae - Papilionoideae) from Peru. <i>Systematic Botany</i> , 2014, 39, 884-896.	0.5	3
57	Evolution and diversity of pollen morphology in tribe Cercideae (Leguminosae). <i>Taxon</i> , 2014, 63, 299-314.	0.7	10
58	(2283) Proposal to reject the name <i>Dolichos altissimus</i> (Leguminosae) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (<I>F	0.7	2
59	Bioactive compounds from <i>Stuhlmannia moavi</i> from the Madagascar dry forest. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7591-7594.	3.0	8
60	<i>Eriosema hatschbachii</i> (Leguminosae, Papilionoideae), a new species from Minas Gerais, Brazil. <i>Kew Bulletin</i> , 2013, 68, 641-645.	0.9	6
61	Bernard Verdcourt (1925 – 2011). <i>Kew Bulletin</i> , 2013, 68, 527-534.	0.9	0
62	Palynological contribution to the systematics and taxonomy of <i>Bauhinia</i> s.l. (Leguminosae: Cercideae). <i>South African Journal of Botany</i> , 2013, 89, 219-226.	2.5	13
63	<i>Mucuna globulifera</i> (Leguminosae: Papilionoideae), a new species from Costa Rica, Panama and Colombia. <i>Kew Bulletin</i> , 2013, 68, 151-155.	0.9	7
64	Phylogeny of <i>Calliandra</i> (Leguminosae: Mimosoideae) based on nuclear and plastid molecular markers. <i>Taxon</i> , 2013, 62, 1200-1219.	0.7	63
65	Legume phylogeny and classification in the 21st century: Progress, prospects and lessons for other species-rich clades. <i>Taxon</i> , 2013, 62, 217-248.	0.7	305
66	A Taxonomic Revision of <i>Mucuna</i> (Fabaceae: Papilionoideae: Phaseoleae) in Brazil. <i>Systematic Botany</i> , 2013, 38, 631-637.	0.5	7
67	Lectotypification of names of Neotropical species of <i>Mucuna</i> (Leguminosae: Papilionoideae:) Tj ETQq1 1 0.784314 rgBT /Overl	0.7	4
68	Reproductive isolation between diploid and tetraploid cytotypes of <i>Libidibia ferrea</i> (= <i>Caesalpinia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 298, 1371-1381.	0.9	35
69	Distinct chemotypes of <i>Tephrosia vogelii</i> and implications for their use in pest control and soil enrichment. <i>Phytochemistry</i> , 2012, 78, 135-146.	2.9	84
70	732. CALLERYA CINEREA. <i>Curtis's Botanical Magazine</i> , 2012, 29, 137-143.	0.3	1
71	The <i>Acacia</i> controversy resulting from minority rule at the Vienna Nomenclature Section: Much more than arcane arguments and complex technicalities. <i>Taxon</i> , 2011, 60, 852-857.	0.7	11
72	A synopsis of <i>Pseudovigna</i> (Leguminosae: Papilionoideae) including a new species, <i>P. sulaensis</i> , from Sierra Leone. <i>Kew Bulletin</i> , 2011, 66, 589-599.	0.9	3

#	ARTICLE	IF	CITATIONS
73	Acylated flavonol tri- and tetraglycosides in the flavonoid metabolome of <i>Cladrastis kentukea</i> (Leguminosae). <i>Phytochemistry</i> , 2011, 72, 372-384.	2.9	21
74	Two new species of <i>Lonchocarpus</i> (Leguminosae, Papilionoideae, Millettieae) from Brazil. <i>Kew Bulletin</i> , 2010, 65, 29-35.	0.9	5
75	<i>Tabaroa</i> , a new genus of Leguminosae tribe Brongniartieae from Brazil. <i>Kew Bulletin</i> , 2010, 65, 189-203.	0.9	28
76	A revision of the South American genus <i>Apuleia</i> (Leguminosae, Cassieae). <i>Kew Bulletin</i> , 2010, 65, 225-232.	0.9	7
77	Flavonoid glycosides of the black locust tree, <i>Robinia pseudoacacia</i> (Leguminosae). <i>Phytochemistry</i> , 2010, 71, 479-486.	2.9	64
78	<i>Acacia</i> , the 2011 Nomenclature Section in Melbourne, and beyond. <i>Taxon</i> , 2010, 59, 1188-1195.	0.7	27
79	<i>Zygia nubigena</i> sp. nov. (Leguminosae-Mimosoideae) from a submontane cloud forest in western Ecuador. <i>Nordic Journal of Botany</i> , 2010, 28, 453-456.	0.5	1
80	Contrasting plant diversification histories within the Andean biodiversity hotspot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13783-13787.	7.1	191
81	Pollen morphology of the <i>Dimorphandra</i> group (Leguminosae, Caesalpinioideae). <i>Grana</i> , 2009, 48, 19-26.	0.8	7
82	Wood Anatomy of <i>Caesalpinia</i> S.S., <i>Coulteria</i> , <i>Erythrostemon</i> , <i>Guilandina</i> , <i>Libidibia</i> , <i>Mezoneuron</i> , <i>Poincianella</i> , <i>Pomaria</i> and <i>Tara</i> (Leguminosae, Caesalpinioideae, Caesalpinieae). <i>IAWA Journal</i> , 2009, 30, 247-276.	2.7	25
83	<i>Zornia decussata</i> (Leguminosae: Papilionoideae: Dalbergieae), a new species from the Amazon region of Venezuela. <i>Kew Bulletin</i> , 2009, 64, 719-721.	0.9	0
84	Flavonol tetraglycosides from fruits of <i>Styphnolobium japonicum</i> (Leguminosae) and the authentication of <i>Fructus Sophorae</i> and <i>Flos Sophorae</i> . <i>Phytochemistry</i> , 2009, 70, 785-794.	2.9	75
85	The genus <i>Bauhinia</i> s.l. (Leguminosae): a phylogeny based on the plastid <i>trnL</i> and <i>rbcL</i> regions. <i>Botany</i> , 2009, 87, 947-960.	1.0	94
86	Flavonol pentaglycosides of <i>Cordyla</i> (Leguminosae: Papilionoideae: Swartzieae): Distribution and taxonomic implications. <i>Phytochemistry</i> , 2008, 69, 2329-2335.	2.9	19
87	A new species of <i>Macroptilium</i> (Benth.) Urb. (Leguminosae: Papilionoideae: Phaseolinae) from North-Eastern Brazil. <i>Kew Bulletin</i> , 2008, 63, 151-154.	0.9	5
88	Phylogenetic patterns and diversification in the caesalpinoid legumes This paper is one of a selection of papers published in the Special Issue on Systematics Research.. <i>Botany</i> , 2008, 86, 697-718.	1.0	257
89	Sturt Pea "A most splendid plant" - by David Symon and Manfred Jusaitis. <i>Curtis's Botanical Magazine</i> , 2008, 25, 188-189.	0.3	0
90	Cryptic Speciation in the <i>Caesalpinia hintonii</i> Complex (Leguminosae: Caesalpinioideae) in a Seasonally Dry Mexican Forest. <i>Annals of Botany</i> , 2007, 100, 1307-1314.	2.9	20

#	ARTICLE	IF	CITATIONS
91	A new species of <i>Caesalpinia</i> from the Balsas Depression, Mexico, and an updated taxonomic circumscription of the <i>Caesalpinia hintonii</i> complex (Leguminosae: Caesalpinioideae: Caesalpinieae) <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	1.4	14
92	557. <i>Eucrosia Mirabilis</i> .. Curtis's Botanical Magazine, 2006, 23, 157-162.	0.3	0
93	Mildbraedin, a novel kaempferol tetraglycoside from the tropical forest legume <i>Mildbraediodendron excelsum</i> . Tetrahedron Letters, 2005, 46, 8595-8598.	1.4	14
94	A phylogenetic reappraisal of the <i>Peltophorum</i> group (Caesalpinieae: Leguminosae) based on the chloroplast <i>rbcL</i> and <i>rps16</i> sequence data. American Journal of Botany, 2005, 92, 1359-1371.	1.7	53
95	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
96	<i>Maraniona</i> . A New Dalbergioid Legume Genus (Leguminosae, Papilionoideae) from Peru. Systematic Botany, 2004, 29, 366-374.	0.5	34
97	The floral scent of <i>Cyathostegia mathewsii</i> (Leguminosae, Papilionoideae) and preliminary observations on reproductive biology. Biochemical Systematics and Ecology, 2003, 31, 951-962.	1.3	10
98	Flora Iberica Plantas Vasculares de la Peninsula Iberica e Islas Baleares. Vol. VII (I). Leguminosae.. Kew Bulletin, 2000, 55, 508.	0.9	1
99	Plate 399. <i>Andira inermis</i> subsp. <i>inermis</i> . Curtis's Botanical Magazine, 2000, 17, 188-194.	0.3	1
100	Reproductive biology of <i>Caesalpinia calycina</i> and <i>C. pluviosa</i> (Leguminosae) of the caatinga of north-eastern Brazil. Plant Systematics and Evolution, 1999, 217, 43-53.	0.9	39
101	Flora of the Venezuelan Guyana, Volume 4, Caesalpinieae: Ericaceae. Kew Bulletin, 1998, 53, 1017.	0.9	0
102	Plate 325. <i>Zollernia splendens</i> . Curtis's Botanical Magazine, 1997, 14, 194-197.	0.3	1
103	Alkaloids of the genus <i>Poecilanthus</i> (Leguminosae: Papilionoideae). Biochemical Systematics and Ecology, 1995, 23, 547-553.	1.3	25
104	SEARCHING FOR LEGUMES IN THE CAATINGA, SOUTH-EASTERN PIAUÃ, BRAZIL. Curtis's Botanical Magazine, 1985, 2, 214-225.	0.3	2
105	Evolution of pollen, stigmas and ovule numbers at the caesalpinoid-mimosoid interface (Fabaceae). Botanical Journal of the Linnean Society, 0, 162, 594-615.	1.6	16
106	Pantropical diversification of padauk trees and relatives was influenced by biome switching and long-distance dispersal. Journal of Biogeography, 0, , .	3.0	4