Fay-Wei Li

List of Publications by Year
in descending order

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300 papers	15,070 citations	26610 56 h-index	28275 105 g-index
311 all docs	311 docs citations	311 times ranked	13505 citing authors

#	Article	IF	Citations
1	One thousand plant transcriptomes and theÂphylogenomics of green plants. Nature, 2019, 574, 679-685.	13.7	1,162
2	A communityâ€derived classification for extant lycophytes and ferns. Journal of Systematics and Evolution, 2016, 54, 563-603.	1.6	1,040
3	Invariant scaling relations across tree-dominated communities. Nature, 2001, 410, 655-660.	13.7	566
4	The evolution and functional significance of leaf shape in the angiosperms. Functional Plant Biology, 2011, 38, 535.	1.1	421
5	The Physcomitrella patens chromosomeâ€scale assembly reveals moss genome structure and evolution. Plant Journal, 2018, 93, 515-533.	2.8	406
6	Fern genomes elucidate land plant evolution and cyanobacterial symbioses. Nature Plants, 2018, 4, 460-472.	4.7	391
7	Patterns in vascular land plant diversification. Nature, 1983, 303, 614-616.	13.7	291
8	Plant allometry: is there a grand unifying theory?. Biological Reviews, 2004, 79, 871-889.	4.7	280
9	Anthoceros genomes illuminate the origin of land plants and the unique biology of hornworts. Nature Plants, 2020, 6, 259-272.	4.7	225
10	Super-resolution ribosome profiling reveals unannotated translation events in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7126-E7135.	3.3	222
11	Thermodynamic and metabolic effects on the scaling of production and population energy use. Ecology Letters, 2003, 6, 990-995.	3.0	215
12	Nitrogen/phosphorus leaf stoichiometry and the scaling of plant growth. Ecology Letters, 2005, 8, 636-642.	3.0	215
13	From The Cover: Growth and hydraulic (not mechanical) constraints govern the scaling of tree height and mass. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15661-15663.	3.3	211
14	On the Vegetative Biomass Partitioning of Seed Plant Leaves, Stems, and Roots. American Naturalist, 2002, 159, 482-497.	1.0	185
15	"Diminishing returns" in the scaling of functional leaf traits across and within species groups. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8891-8896.	3.3	177
16	10KP: A phylodiverse genome sequencing plan. GigaScience, 2018, 7, 1-9.	3.3	169
17	The evolutionary history of ferns inferred from 25 lowâ€copy nuclear genes. American Journal of Botany, 2015, 102, 1089-1107.	0.8	157
18	Plant Allometry, Leaf Nitrogen and Phosphorus Stoichiometry, and Interspecific Trends in Annual Growth Rates. Annals of Botany, 2006, 97, 155-163.	1.4	154

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19	The evolution of the land plant life cycle. New Phytologist, 2010, 185, 27-41.	3.5	153
20	The origins of multicellular organisms. Evolution & Development, 2013, 15, 41-52.	1.1	151
21	An ancestral signalling pathway is conserved in intracellular symbioses-forming plant lineages. Nature Plants, 2020, 6, 280-289.	4.7	150
22	Horizontal transfer of an adaptive chimeric photoreceptor from bryophytes to ferns. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6672-6677.	3.3	146
23	Phytochrome diversity in green plants and the origin of canonical plant phytochromes. Nature Communications, 2015, 6, 7852.	5.8	139
24	Worldwide correlations of mechanical properties and green wood density. American Journal of Botany, 2010, 97, 1587-1594.	0.8	134
25	Canonical rules for plant organ biomass partitioning and annual allocation. American Journal of Botany, 2002, 89, 812-819.	0.8	131
26	First insights into fern matK phylogeny. Molecular Phylogenetics and Evolution, 2011, 59, 556-566.	1.2	127
27	Modelling Below- and Above-ground Biomass for Non-woody and Woody Plants. Annals of Botany, 2005, 95, 315-321.	1.4	123
28	Global leaf nitrogen and phosphorus stoichiometry and their scaling exponent. National Science Review, 2018, 5, 728-739.	4.6	121
29	Tree size frequency distributions, plant density, age and community disturbance. Ecology Letters, 2003, 6, 405-411.	3.0	112
30	The evolutionaryâ€developmental origins of multicellularity. American Journal of Botany, 2014, 101, 6-25.	0.8	110
31	Genetic analysis of Physcomitrella patens identifies ABSCISIC ACID NON-RESPONSIVE (ANR), a regulator of ABA responses unique to basal land plants and required for desiccation tolerance. Plant Cell, 2016, 28, tpc.00091.2016.	3.1	98
32	Maximum plant height and the biophysical factors that limit it. Tree Physiology, 2007, 27, 433-440.	1.4	96
33	Rethinking gene regulatory networks in light of alternative splicing, intrinsically disordered protein domains, and post-translational modifications. Frontiers in Cell and Developmental Biology, 2015, 3, 8.	1.8	96
34	Mechanical and photosynthetic constraints on the evolution of plant shape. Paleobiology, 1984, 10, 79-101.	1.3	94
35	A phyletic perspective on the allometry of plant biomassâ€partitioning patterns and functionally equivalent organâ€categories. New Phytologist, 2006, 171, 27-40.	3.5	94
36	An Exploration into Fern Genome Space. Genome Biology and Evolution, 2015, 7, 2533-2544.	1.1	85

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37	THE ROLE OF PHYLLOTACTIC PATTERN AS A â€œDEVELOPMENTAL CONSTRAINTâ€•ON THE INTERCEPTION OF LIGHT BY LEAF SURFACES. Evolution; International Journal of Organic Evolution, 1988, 42, 1-16.	1.1	84
38	N, P, and C stoichiometry ofEranthis hyemalis(Ranunculaceae) and the allometry of plant growth. American Journal of Botany, 2005, 92, 1256-1263.	0.8	84
39	P<scp>redicting the height of fossil plant remains: an allometric approach to an old problem</scp>. American Journal of Botany, 1994, 81, 1235-1242.	0.8	83
40	The evolution of hydrophobic cell wall biopolymers: from algae to angiosperms. Journal of Experimental Botany, 2017, 68, 5261-5269.	2.4	83
41	The mechanical role of bark. American Journal of Botany, 1999, 86, 465-469.	0.8	82
42	rbcL and matK Earn Two Thumbs Up as the Core DNA Barcode for Ferns. PLoS ONE, 2011, 6, e26597.	1.1	80
43	Nextâ€generation polyploid phylogenetics: rapid resolution of hybrid polyploid complexes using PacBio singleâ€molecule sequencing. New Phytologist, 2017, 213, 413-429.	3.5	77
44	The hornworts: morphology, evolution and development. New Phytologist, 2021, 229, 735-754.	3.5	72
45	COMPUTER MODELS OF EARLY LAND PLANT EVOLUTION. Annual Review of Earth and Planetary Sciences, 2004, 32, 47-66.	4.6	70
46	Microbial-type terpene synthase genes occur widely in nonseed land plants, but not in seed plants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12328-12333.	3.3	70
47	The role of the epidermis as a stiffening agent in Tulipa (Liliaceae) stems. American Journal of Botany, 1997, 84, 735-744.	0.8	69
48	Global warming reduces plant reproductive output for temperate multiâ€inflorescence species on the Tibetan plateau. New Phytologist, 2012, 195, 427-436.	3.5	69
49	Transcriptome-Mining for Single-Copy Nuclear Markers in Ferns. PLoS ONE, 2013, 8, e76957.	1.1	69
50	Between Two Fern Genomes. GigaScience, 2014, 3, 15.	3.3	69
51	The origin and evolution of phototropins. Frontiers in Plant Science, 2015, 6, 637.	1.7	68
52	Genes Translocated into the Plastid Inverted Repeat Show Decelerated Substitution Rates and Elevated GC Content. Genome Biology and Evolution, 2016, 8, 2452-2458.	1.1	66
53	A guide to sequence your favorite plant genomes. Applications in Plant Sciences, 2018, 6, e1030.	0.8	66
54	<I>Gaga</I>, a New Fern Genus Segregated from <I>Cheilanthes</I> (Pteridaceae). Systematic Botany, 2012, 37, 845-860.	0.2	62

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55	FLEXURAL STIFFNESS AND MODULUS OF ELASTICITY OF FLOWER STALKS FROM ALLIUM SATIVUM AS MEASURED BY MULTIPLE RESONANCE FREQUENCY SPECTRA. American Journal of Botany, 1988, 75, 1517-1525.	0.8	61
56	The evolutionary development of plant body plans. Functional Plant Biology, 2009, 36, 682.	1.1	61
57	Artificial asymmetric warming reduces nectar yield in a Tibetan alpine species of Asteraceae. Annals of Botany, 2015, 116, 899-906.	1.4	61
58	On the evolutionary significance of horizontal gene transfers in plants. New Phytologist, 2020, 225, 113-117.	3.5	59
59	MECHANICAL BEHAVIOR OF PLANT TISSUES AS INFERRED FROM THE THEORY OF PRESSURIZED CELLULAR SOLIDS. American Journal of Botany, 1989, 76, 929-937.	0.8	56
60	Biomass partitioning and leaf N,P ? stoichiometry: comparisons between tree and herbaceous current-year shoots. Plant, Cell and Environment, 2006, 29, 2030-2042.	2.8	56
61	A general review of the biomechanics of root anchorage. Journal of Experimental Botany, 2019, 70, 3439-3451.	2.4	56
62	Underwater CAM photosynthesis elucidated by Isoetes genome. Nature Communications, 2021, 12, 6348.	5.8	56
63	THE MOTION OF WINDBORNE POLLEN GRAINS AROUND CONIFER OVULATE CONES: IMPLICATIONS ON WIND POLLINATION. American Journal of Botany, 1984, 71, 356-374.	0.8	55
64	Large-scale phylogenomic analysis suggests three ancient superclades of the WUSCHEL-RELATED HOMEOBOX transcription factor family in plants. PLoS ONE, 2019, 14, e0223521.	1.1	55
65	Plant biomechanics: an overview and prospectus. American Journal of Botany, 2006, 93, 1369-1378.	0.8	52
66	The evolutionary origins of cell type diversification and the role of intrinsically disordered proteins. Journal of Experimental Botany, 2018, 69, 1437-1446.	2.4	52
67	The Allometry of Plant Reproductive Biomass and Stem Diameter. American Journal of Botany, 1993, 80, 461.	0.8	52
68	THE ELASTIC MODULI AND MECHANICS OF POPULUS TREMULOIDES (SALICACEAE) PETIOLES IN BENDING AND TORSION. American Journal of Botany, 1991, 78, 989-996.	0.8	51
69	Predicting the Height of Fossil Plant Remains: An Allometric Approach to an Old Problem. American Journal of Botany, 1994, 81, 1235.	0.8	51
70	A Comparison between the Record Height-to-Stem Diameter Allometries of Pachycaulis and Leptocaulis Species. Annals of Botany, 2006, 97, 79-83.	1.4	50
71	DEPENDENCY OF THE TENSILE MODULUS ON TRANSVERSE DIMENSIONS, WATER POTENTIAL, AND CELL NUMBER OF PITH PARENCHYMA. American Journal of Botany, 1988, 75, 1286-1292.	0.8	47
72	Computing factors of safety against windâ€induced tree stem damage. Journal of Experimental Botany, 2000, 51, 797-806.	2.4	47

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73	Reconstructing trait evolution in plant evoâ€“devo studies. Current Biology, 2019, 29, R1110-R1118.	1.8	47
74	Charting the genomic landscape of seed-free plants. Nature Plants, 2021, 7, 554-565.	4.7	47
75	Adaptive walks through fitness landscapes for early vascular land plants. American Journal of Botany, 1997, 84, 16-25.	0.8	46
76	Dynamical Patterning Modules, Biogeneric Materials, and the Evolution of Multicellular Plants. Frontiers in Plant Science, 2018, 9, 871.	1.7	46
77	Petiole mechanics, light interception by Lamina, and â€œEconomy in Designâ€• Oecologia, 1992, 90, 518-526.	0.9	45
78	Complete Genomes of Symbiotic Cyanobacteria Clarify the Evolution of Vanadium-Nitrogenase. Genome Biology and Evolution, 2019, 11, 1959-1964.	1.1	45
79	The allometry of safety-factors for plant height. American Journal of Botany, 1994, 81, 345-351.	0.8	44
80	Identifying a mysterious aquatic fern gametophyte. Plant Systematics and Evolution, 2009, 281, 77-86.	0.3	44
81	Is there foul play in the leaf pocket? The metagenome of floating fern Azolla reveals endophytes that do not fix N₂ but may denitrify. New Phytologist, 2018, 217, 453-466.	3.5	42
82	The flying spider-monkey tree fern genome provides insights into fern evolution and arborescence. Nature Plants, 2022, 8, 500-512.	4.7	42
83	Predicting the allometry of leaf surface area and dry mass. American Journal of Botany, 2009, 96, 531-536.	0.8	41
84	GROWTH PATTERNS OF PLANTS THAT MAXIMIZE VERTICAL GROWTH AND MINIMIZE INTERNAL STRESSES. American Journal of Botany, 1982, 69, 1367-1374.	0.8	40
85	Evolutionary aspects of plant photoreceptors. Journal of Plant Research, 2016, 129, 115-122.	1.2	40
86	Evidence for a conducting strand in early Silurian (Llandoverian) plants: implications for the evolution of the land plants. Paleobiology, 1983, 9, 126-137.	1.3	39
87	A REEVALUATION OF THE ZOSTEROPHYLLOPHYTINA WITH COMMENTS ON THE ORIGIN OF LYCOPODS. American Journal of Botany, 1990, 77, 274-283.	0.8	39
88	Evidence for â€œdiminishing returnsâ€•from the scaling of stem diameter and specific leaf area. American Journal of Botany, 2008, 95, 549-557.	0.8	38
89	NCP activates chloroplast transcription by controlling phytochrome-dependent dual nuclear and plastidial switches. Nature Communications, 2019, 10, 2630.	5.8	38
90	Organellomic data sets confirm a cryptic consensus on (unrooted) landâ€plant relationships and provide new insights into bryophyte molecular evolution. American Journal of Botany, 2020, 107, 91-115.	0.8	38

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91	Evolutionary trends in safety factors against wind-induced stem failure. American Journal of Botany, 2001, 88, 1266-1278.	0.8	37
92	Size-dependent species richness: trends within plant communities and across latitude. Ecology Letters, 2003, 6, 631-636.	3.0	37
93	Ontogenetic shift in the scaling of dark respiration with wholeâ€plant mass in seven shrub species. Functional Ecology, 2010, 24, 502-512.	1.7	37
94	Tissueâ€direct PCR, a rapid and extractionâ€free method for barcoding of ferns. Molecular Ecology Resources, 2010, 10, 92-95.	2.2	37
95	Allometric theory and the mechanical stability of large trees: proof and conjecture. American Journal of Botany, 2006, 93, 824-828.	0.8	36
96	Aerodynamics and pollen ultrastructure in Ephedra. American Journal of Botany, 2015, 102, 457-470.	0.8	36
97	FLEXURAL RIGIDITY OF CHIVE AND ITS RESPONSE TO WATER POTENTIAL. American Journal of Botany, 1987, 74, 1033-1044.	0.8	35
98	Identifying Morphological and Mechanical Traits Associated with Stem Lodging in Bioenergy Sorghum (Sorghum bicolor). Bioenergy Research, 2017, 10, 635-647.	2.2	35
99	The scaling of fine root nitrogen versus phosphorus in terrestrial plants: A global synthesis. Functional Ecology, 2019, 33, 2081-2094.	1.7	35
100	Lamina shape does not correlate with lamina surface area: An analysis based on the simplified Gielis equation. Global Ecology and Conservation, 2019, 19, e00666.	1.0	35
101	THE ALLOMETRY OF PLANT REPRODUCTIVE BIOMASS AND STEM DIAMETER. American Journal of Botany, 1993, 80, 461-467.	0.8	34
102	I<scp>nterspecific allometries of critical buckling height and actual plant height</scp>. American Journal of Botany, 1994, 81, 1275-1279.	0.8	34
103	Domesticated honey bees evolutionarily reduce flower nectar volume in a Tibetan lotus. Ecology, 2014, 95, 3161-3172.	1.5	34
104	The scaling of the hydraulic architecture in poplar leaves. New Phytologist, 2017, 214, 145-157.	3.5	34
105	Mechanical Behavior of Plant Tissues as Inferred from the Theory of Pressurized Cellular Solids. American Journal of Botany, 1989, 76, 929.	0.8	34
106	BIOMECHANICS OF PSILOTUM NUDUM AND SOME EARLY PALEOZOIC VASCULAR SPOROPHYTES. American Journal of Botany, 1990, 77, 590-606.	0.8	33
107	Boechera microsatellite website: an online portal for species identification and determination of hybrid parentage. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	1.4	33
108	The Allometry of Safety-Factors for Plant Height. American Journal of Botany, 1994, 81, 345.	0.8	33

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109	FLEXURAL STIFFNESS ALLOMETRIES OF ANGIOSPERM AND FERN PETIOLES AND RACHISES: EVIDENCE FOR BIOMECHANICAL CONVERGENCE. Evolution; International Journal of Organic Evolution, 1991, 45, 734-750.	1.1	32
110	The allometry of saguaro height. American Journal of Botany, 1994, 81, 1161-1168.	0.8	32
111	The biomechanics of Pachycereus pringlei root systems. American Journal of Botany, 2002, 89, 12-21.	0.8	32
112	The evoâ€devo of multinucleate cells, tissues, and organisms, and an alternative route to multicellularity. Evolution & Development, 2013, 15, 466-474.	1.1	32
113	â€œDiminishing returnsâ€in the scaling of leaf area vs. dry mass in Wuyi Mountain bamboos, Southeast China. American Journal of Botany, 2017, 104, 993-998.	0.8	32
114	Phloem networks in leaves. Current Opinion in Plant Biology, 2018, 43, 29-35.	3.5	32
115	The many roads to and from multicellularity. Journal of Experimental Botany, 2020, 71, 3247-3253.	2.4	32
116	Size-related changes in the primary xylem anatomy of some early tracheophytes. Paleobiology, 1984, 10, 487-506.	1.3	31
117	Computer simulations of early land plant branching morphologies: canalization of patterns during evolution?. Paleobiology, 1982, 8, 196-210.	1.3	30
118	Orderâ€level fern plastome phylogenomics: new insights from Hymenophyllales. American Journal of Botany, 2018, 105, 1545-1555.	0.8	30
119	A novel thylakoid-less isolate fills a billion-year gap in the evolution of Cyanobacteria. Current Biology, 2021, 31, 2857-2867.e4.	1.8	30
120	Biophysical effects on plant competition and coexistence. Functional Ecology, 2013, 27, 854-864.	1.7	29
121	Plant type dominates fineâ€root C:N:P stoichiometry across China: A metaâ€analysis. Journal of Biogeography, 2020, 47, 1019-1029.	1.4	29
122	Leaf shape influences the scaling of leaf dry mass vs. area: a test case using bamboos. Annals of Forest Science, 2020, 77, 1.	0.8	29
123	Effects of hypothetical developmental barriers and abrupt environmental changes on adaptive walks in a computer-generated domain for early vascular land plants. Paleobiology, 1997, 23, 63-76.	1.3	28
124	Effects of biotic and abiotic factors on forest biomass fractions. National Science Review, 2021, 8, nwab025.	4.6	28
125	Preferential states of longitudinal tension in the outer tissues of Taraxacum Officinale (Asteraceae) peduncles. American Journal of Botany, 1998, 85, 1068-1081.	0.8	27
126	Wood biomechanics and anatomy of PACHYCEREUS PRINGLEI. American Journal of Botany, 2000, 87, 469-481.	0.8	27

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127	Functional adaptation and phenotypic plasticity at the cellular and whole plant level. Journal of Biosciences, 2009, 34, 613-620.	0.5	27
128	The phycocyanobilin chromophore of streptophyte algal phytochromes is synthesized by HY2. New Phytologist, 2017, 214, 1145-1157.	3.5	27
129	Linkage between species traits and plant phenology in an alpine meadow. Oecologia, 2021, 195, 409-419.	0.9	27
130	Size-Dependent Variations in Plant Growth Rates and the "Â¾ Power Rule". American Journal of Botany, 1994, 81, 134.	0.8	27
131	A wholeâ€plant economics spectrum including bark functional traits for 59 subtropical woody plant species. Journal of Ecology, 2022, 110, 248-261.	1.9	27
132	BRANCHING PATTERNS OF SALICORNIA EUROPAEA (CHENOPODIACEAE) AT DIFFERENT SUCCESSIONAL STAGES: A COMPARISON OF THEORETICAL AND REAL PLANTS. American Journal of Botany, 1988, 75, 501-512.	0.8	26
133	NODAL SEPTA AND THE RIGIDITY OF AERIAL SHOOTS OF EQUISETUM HYEMALE. American Journal of Botany, 1989, 76, 521-531.	0.8	26
134	A first glimpse at genes important to the Azollaâ€“Nostoc symbiosis. Symbiosis, 2019, 78, 149-162.	1.2	26
135	Plant science decadal vision 2020â€“2030: Reimagining the potential of plants for a healthy and sustainable future. Plant Direct, 2020, 4, e00252.	0.8	26
136	The diversity and community structure of symbiotic cyanobacteria in hornworts inferred from longâ€read amplicon sequencing. American Journal of Botany, 2021, 108, 1731-1744.	0.8	26
137	A Reevaluation of the Zosterophyllophytina with Comments on the Origin of Lycopods. American Journal of Botany, 1990, 77, 274.	0.8	26
138	Sizeâ€dependent variations in plant growth rates and the â€œÂ¾â€power ruleâ€• American Journal of Botany, 1994, 81, 134-144.	0.8	25
139	Hornworts: An Overlooked Window into Carbon-Concentrating Mechanisms. Trends in Plant Science, 2017, 22, 275-277.	4.3	25
140	Water content quantitatively affects metabolic rates over the course of plant ontogeny. New Phytologist, 2020, 228, 1524-1534.	3.5	25
141	AERODYNAMICS OF EPHEDRA TRIFURCA: I. POLLEN GRAIN VELOCITY FIELDS AROUND STEMS BEARING OVULES. American Journal of Botany, 1986, 73, 966-979.	0.8	24
142	Genome-wide organellar analyses from the hornwort Leiosporoceros dussii show low frequency of RNA editing. PLoS ONE, 2018, 13, e0200491.	1.1	24
143	CONIFER OVULATE CONE MORPHOLOGY: IMPLICATIONS ON POLLEN IMPACTION PATTERNS. American Journal of Botany, 1983, 70, 568-577.	0.8	23
144	Differences in the scaling of area and mass of Ginkgo biloba (Ginkgoaceae) leaves and their relevance to the study of specific leaf area. American Journal of Botany, 2011, 98, 1381-1386.	0.8	23

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145	The Motion of Windborne Pollen Grains Around Conifer Ovulate Cones: Implications on Wind Pollination. American Journal of Botany, 1984, 71, 356.	0.8	23
146	The Allometry of Saguaro Height. American Journal of Botany, 1994, 81, 1161.	0.8	23
147	THE INFLUENCE OF PALEOZOIC OVULE AND CUPULE MORPHOLOGIES ON WIND POLLINATION. Evolution; International Journal of Organic Evolution, 1983, 37, 968-986.	1.1	22
148	Stem biomechanics of three columnar cacti from the Sonoran Desert. American Journal of Botany, 1998, 85, 1082-1090.	0.8	22
149	Biomechanics of the columnar cactus Pachycereus pringlei. American Journal of Botany, 1999, 86, 767-775.	0.8	22
150	The effect of twig architecture and seed number on seed size variation in subtropical woody species. New Phytologist, 2009, 183, 1212-1221.	3.5	22
151	Crowdfunding the Azolla fern genome project: a grassroots approach. GigaScience, 2014, 3, 16.	3.3	22
152	Life history strategies drive sizeâ€dependent biomass allocation patterns of dryland ephemerals and shrubs. Ecosphere, 2019, 10, e02709.	1.0	22
153	Carica papaya (Caricaceae): a case study into the effects of domestication on plant vegetative growth and reproduction. American Journal of Botany, 2007, 94, 999-1002.	0.8	21
154	Biophysical and size-dependent perspectives on plant evolution. Journal of Experimental Botany, 2013, 64, 4817-4827.	2.4	21
155	Maidenhair Ferns, Adiantum, are Indeed Monophyletic and Sister to Shoestring Ferns, Vittarioids (Pteridaceae). Systematic Botany, 2016, 41, 17-23.	0.2	21
156	Organelle Genome Inheritance in Deparia Ferns (Athyriaceae, Aspleniineae, Polypodiales). Frontiers in Plant Science, 2018, 9, 486.	1.7	21
157	TheBioâ€Logic and machinery of plant morphogenesis. American Journal of Botany, 2003, 90, 515-525.	0.8	20
158	The hydraulic architecture of Ginkgo leaves. American Journal of Botany, 2017, 104, 1285-1298.	0.8	20
159	Leaping lizards landing on leaves: escape-induced jumps in the rainforest canopy challenge the adhesive limits of geckos. Journal of the Royal Society Interface, 2017, 14, 20170156.	1.5	20
160	The evolutionary ecology (evo-eco) of plant asexual reproduction. Evolutionary Ecology, 2017, 31, 317-332.	0.5	20
161	A worldwide phylogeny of Adiantum (Pteridaceae) reveals remarkable convergent evolution in leaf blade architecture. Taxon, 2018, 67, 488-502.	0.4	20
162	Dependency of the Tensile Modulus on Transverse Dimensions, Water Potential, and Cell Number of Pith Parenchyma. American Journal of Botany, 1988, 75, 1286.	0.8	20

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163	Flexural Stiffness and Modulus of Elasticity of Flower Stalks from Allium Stalks from Allium sativum as Measured by Multiple Resonance Frequency Spectra. American Journal of Botany, 1988, 75, 1517.	0.8	19
164	Plant Development, Auxin, and the Subsystem Incompleteness Theorem. Frontiers in Plant Science, 2012, 3, 37.	1.7	19
165	Did meiosis evolve before sex and the evolution of eukaryotic life cycles?. BioEssays, 2014, 36, 1091-1101.	1.2	19
166	Stem Diameter (and Not Length) Limits Twig Leaf Biomass. Frontiers in Plant Science, 2019, 10, 185.	1.7	19
167	Comparison of the Scaling Relationships of Leaf Biomass versus Surface Area between Spring and Summer for Two Deciduous Tree Species. Forests, 2020, 11, 1010.	0.9	19
168	Leaf Bilateral Symmetry and the Scaling of the Perimeter vs. the Surface Area in 15 Vine Species. Forests, 2020, 11, 246.	0.9	19
169	ORGANELLE PRESERVATION AND PROTOPLAST PARTITIONING IN FOSSIL ANGIOSPERM LEAF TISSUES. American Journal of Botany, 1983, 70, 543-548.	0.8	18
170	AERODYNAMICS OF WIND POLLINATION IN SIMMONDSIA CHINENSIS (LINK) SCHNEIDER. American Journal of Botany, 1985, 72, 530-539.	0.8	18
171	EFFECTS OF TISSUE VOLUME AND LOCATION ON THE MECHANICAL CONSEQUENCES OF DEHYDRATION OF PETIOLES. American Journal of Botany, 1991, 78, 361-369.	0.8	18
172	Isometric scaling of above- and below-ground biomass at the individual and community levels in the understorey of a sub-tropical forest. Annals of Botany, 2015, 115, 303-313.	1.4	18
173	An Agrobacteriumâ€mediated stable transformation technique for the hornwort model Anthoceros agrestis. New Phytologist, 2021, 232, 1488-1505.	3.5	18
174	A Roadmap for Fern Genome Sequencing. American Fern Journal, 2019, 109, 212.	0.2	18
175	Growth Patterns of Plants that Maximize Vertical Growth and Minimize Internal Stresses. American Journal of Botany, 1982, 69, 1367.	0.8	18
176	Variation in plant carbon, nitrogen and phosphorus contents across the drylands of China. Functional Ecology, 2022, 36, 174-186.	1.7	18
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