

Fay-Wei Li

List of Publications by Year in Descending Order

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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.

296
papers

9,854
citations

48
h-index

87
g-index

311
ext. papers

12,640
ext. citations

5.4
avg, IF

7.29
L-index

#	Paper	IF	Citations
296	Step-by-step protocol for the isolation and transient transformation of hornwort protoplasts.. <i>Applications in Plant Sciences</i> , 2022 , 10, e11456	2.3	0
295	Accelerating gametophytic growth in the model hornwort .. <i>Applications in Plant Sciences</i> , 2022 , 10, e11456	2.3	0
294	Influence of Leaf Age on the Scaling Relationships of Lamina Mass vs. Area.. <i>Frontiers in Plant Science</i> , 2022 , 13, 860206	6.2	0
293	Scaling relationships of leaf vein and areole traits versus leaf size for nine Magnoliaceae species differing in venation density.. <i>American Journal of Botany</i> , 2022 ,	2.7	2
292	Underwater CAM photosynthesis elucidated by Isoetes genome. <i>Nature Communications</i> , 2021 , 12, 63481	7.4	3
291	Monodopsis and Vischeria Genomes Shed New Light on the Biology of Eustigmatophyte Algae. <i>Genome Biology and Evolution</i> , 2021 , 13,	3.9	1
290	Charting the genomic landscape of seed-free plants. <i>Nature Plants</i> , 2021 , 7, 554-565	11.5	19
289	Effects of biotic and abiotic factors on forest biomass fractions. <i>National Science Review</i> , 2021 , 8, nwab025	25.8	13
288	Dietary differences between grasshoppers are associated with life history tradeoffs in an alpine meadow. <i>Ecological Research</i> , 2021 , 36, 842-853	1.9	
287	A novel thylakoid-less isolate fills a billion-year gap in the evolution of Cyanobacteria. <i>Current Biology</i> , 2021 , 31, 2857-2867.e4	6.3	6
286	The hornworts: morphology, evolution and development. <i>New Phytologist</i> , 2021 , 229, 735-754	9.8	17
285	Plant volatiles mediate evolutionary interactions between plants and tephritid flies and are evolutionarily more labile than non-volatile defenses. <i>Journal of Animal Ecology</i> , 2021 , 90, 846-858	4.7	0
284	An Agrobacterium-mediated stable transformation technique for the hornwort model <i>Anthoceros agrestis</i> . <i>New Phytologist</i> , 2021 , 232, 1488-1505	9.8	5
283	A General Model for Describing the Ovate Leaf Shape. <i>Symmetry</i> , 2021 , 13, 1524	2.7	2
282	The diversity and community structure of symbiotic cyanobacteria in hornworts inferred from long-read amplicon sequencing. <i>American Journal of Botany</i> , 2021 , 108, 1731-1744	2.7	3
281	Climate change affects detritus decomposition rates by modifying arthropod performance and species interactions. <i>Current Opinion in Insect Science</i> , 2021 , 47, 62-66	5.1	2
280	Linkage between species traits and plant phenology in an alpine meadow. <i>Oecologia</i> , 2021 , 195, 409-419	2.9	11

279	A Superellipse with Deformation and Its Application in Describing the Cross-Sectional Shapes of a Square Bamboo. <i>Symmetry</i> , 2020 , 12, 2073	2.7	8
278	The Leaf Economics Spectrum Constrains Phenotypic Plasticity Across a Light Gradient. <i>Frontiers in Plant Science</i> , 2020 , 11, 735	6.2	4
277	Anthoceros genomes illuminate the origin of land plants and the unique biology of hornworts. <i>Nature Plants</i> , 2020 , 6, 259-272	11.5	77
276	Leaf Bilateral Symmetry and the Scaling of the Perimeter vs. the Surface Area in 15 Vine Species. <i>Forests</i> , 2020 , 11, 246	2.8	13
275	An ancestral signalling pathway is conserved in intracellular symbioses-forming plant lineages. <i>Nature Plants</i> , 2020 , 6, 280-289	11.5	50
274	Morphological (and not anatomical or reproductive) features define early vascular plant phylogenetic relationships. <i>American Journal of Botany</i> , 2020 , 107, 477-488	2.7	3
273	Plant type dominates fine-root C:N:P stoichiometry across China: A meta-analysis. <i>Journal of Biogeography</i> , 2020 , 47, 1019-1029	4.1	9
272	Extremely low genetic diversity in the European clade of the model bryophyte <i>Anthoceros agrestis</i> . <i>Plant Systematics and Evolution</i> , 2020 , 306, 1	1.3	1
271	Leaf shape influences the scaling of leaf dry mass vs. area: a test case using bamboos. <i>Annals of Forest Science</i> , 2020 , 77, 1	3.1	21
270	Organellomic data sets confirm a cryptic consensus on (unrooted) land-plant relationships and provide new insights into bryophyte molecular evolution. <i>American Journal of Botany</i> , 2020 , 107, 91-115	2.7	18
269	The many roads to and from multicellularity. <i>Journal of Experimental Botany</i> , 2020 , 71, 3247-3253	7	7
268	Comparison of the Scaling Relationships of Leaf Biomass versus Surface Area between Spring and Summer for Two Deciduous Tree Species. <i>Forests</i> , 2020 , 11, 1010	2.8	14
267	Water content quantitatively affects metabolic rates over the course of plant ontogeny. <i>New Phytologist</i> , 2020 , 228, 1524-1534	9.8	9
266	A step-by-step protocol for meiotic chromosome counts in flowering plants: A powerful and economical technique revisited. <i>Applications in Plant Sciences</i> , 2020 , 8, e11342	2.3	8
265	Plant science decadal vision 2020-2030: Reimagining the potential of plants for a healthy and sustainable future. <i>Plant Direct</i> , 2020 , 4, e00252	3.3	14
264	Allocation Strategies for Seed Nitrogen and Phosphorus in an Alpine Meadow Along an Altitudinal Gradient on the Tibetan Plateau. <i>Frontiers in Plant Science</i> , 2020 , 11, 614644	6.2	3
263	On the evolutionary significance of horizontal gene transfers in plants. <i>New Phytologist</i> , 2020 , 225, 113-118	11.8	29
262	A global phylogeny of Stegnoگرامma ferns (Thelypteridaceae): generic and sectional revision, historical biogeography and evolution of leaf architecture. <i>Cladistics</i> , 2020 , 36, 164-183	3.5	4

261	A first glimpse at genes important to the <i>Azolla</i> - <i>Nostoc</i> symbiosis. <i>Symbiosis</i> , 2019 , 78, 149-162	3	7
260	A general review of the biomechanics of root anchorage. <i>Journal of Experimental Botany</i> , 2019 , 70, 3439-3451	30	
259	NCP activates chloroplast transcription by controlling phytochrome-dependent dual nuclear and plastidial switches. <i>Nature Communications</i> , 2019 , 10, 2630	17.4	20
258	Lamina shape does not correlate with lamina surface area: An analysis based on the simplified Gielis equation. <i>Global Ecology and Conservation</i> , 2019 , 19, e00666	2.8	21
257	Suboptimal oviposition of tephritid flies supports parasitoid wasps. <i>Ecological Entomology</i> , 2019 , 44, 717-720	2.1	2
256	Influence of the physical dimension of leaf size measures on the goodness of fit for Taylor's power law using 101 bamboo taxa. <i>Global Ecology and Conservation</i> , 2019 , 19, e00657	2.8	3
255	Life history strategies drive size-dependent biomass allocation patterns of dryland ephemerals and shrubs. <i>Ecosphere</i> , 2019 , 10, e02709	3.1	11
254	Stem Diameter (and Not Length) Limits Twig Leaf Biomass. <i>Frontiers in Plant Science</i> , 2019 , 10, 185	6.2	7
253	The scaling of fine root nitrogen versus phosphorus in terrestrial plants: A global synthesis. <i>Functional Ecology</i> , 2019 , 33, 2081-2094	5.6	17
252	Phylogenetic Methods to Study Light Signaling. <i>Methods in Molecular Biology</i> , 2019 , 2026, 265-276	1.4	
251	Complete Genomes of Symbiotic Cyanobacteria Clarify the Evolution of Vanadium-Nitrogenase. <i>Genome Biology and Evolution</i> , 2019 , 11, 1959-1964	3.9	17
250	Large-scale phylogenomic analysis suggests three ancient superclades of the WUSCHEL-RELATED HOMEBOX transcription factor family in plants. <i>PLoS ONE</i> , 2019 , 14, e0223521	3.7	27
249	Reconstructing trait evolution in plant evo-devo studies. <i>Current Biology</i> , 2019 , 29, R1110-R1118	6.3	29
248	Ferns: The Final Frond-tier in Plant Model Systems. <i>American Fern Journal</i> , 2019 , 109, 192	0.6	4
247	A Roadmap for Fern Genome Sequencing. <i>American Fern Journal</i> , 2019 , 109, 212	0.6	11
246	Stem and leaf growth rates define the leaf size vs. number trade-off. <i>AoB PLANTS</i> , 2019 , 11, plz063	2.9	6
245	One thousand plant transcriptomes and the phylogenomics of green plants. <i>Nature</i> , 2019 , 574, 679-685	50.4	529
244	Polarity, planes of cell division, and the evolution of plant multicellularity. <i>Protoplasma</i> , 2019 , 256, 585-599	6	

243	10KP: A phylodiverse genome sequencing plan. <i>GigaScience</i> , 2018 , 7, 1-9	7.6	108
242	A guide to sequence your favorite plant genomes. <i>Applications in Plant Sciences</i> , 2018 , 6, e1030	2.3	37
241	The evolutionary origins of cell type diversification and the role of intrinsically disordered proteins. <i>Journal of Experimental Botany</i> , 2018 , 69, 1437-1446	7	29
240	A novel chloroplast gene reported for flagellate plants. <i>American Journal of Botany</i> , 2018 , 105, 117-121	2.7	5
239	Phloem networks in leaves. <i>Current Opinion in Plant Biology</i> , 2018 , 43, 29-35	9.9	20
238	Global leaf nitrogen and phosphorus stoichiometry and their scaling exponent. <i>National Science Review</i> , 2018 , 5, 728-739	10.8	52
237	Domestic honeybees affect the performance of pre-dispersal seed predators in an alpine meadow. <i>Oecologia</i> , 2018 , 187, 113-122	2.9	5
236	Is there foul play in the leaf pocket? The metagenome of floating fern <i>Azolla</i> reveals endophytes that do not fix N but may denitrify. <i>New Phytologist</i> , 2018 , 217, 453-466	9.8	17
235	Organelle Genome Inheritance in Ferns (Athryiaceae, Aspleniineae, Polypodiales). <i>Frontiers in Plant Science</i> , 2018 , 9, 486	6.2	9
234	A worldwide phylogeny of <i>Adiantum</i> (Pteridaceae) reveals remarkable convergent evolution in leaf blade architecture. <i>Taxon</i> , 2018 , 67, 488-502	0.8	9
233	Admixture, evolution, and variation in reproductive isolation in the <i>Boechera puberula</i> clade. <i>BMC Evolutionary Biology</i> , 2018 , 18, 61	3	4
232	Genome-wide organellar analyses from the hornwort <i>Leiosporoceros dussii</i> show low frequency of RNA editing. <i>PLoS ONE</i> , 2018 , 13, e0200491	3.7	16
231	The <i>Physcomitrella patens</i> chromosome-scale assembly reveals moss genome structure and evolution. <i>Plant Journal</i> , 2018 , 93, 515-533	6.9	176
230	Domesticated honeybees facilitate interspecific hybridization between two <i>Taraxacum</i> congeners. <i>Journal of Ecology</i> , 2018 , 106, 1204-1216	6	4
229	Dynamical Patterning Modules, Biogenic Materials, and the Evolution of Multicellular Plants. <i>Frontiers in Plant Science</i> , 2018 , 9, 871	6.2	19
228	Global Data Analysis Shows That Soil Nutrient Levels Dominate Foliar Nutrient Resorption Efficiency in Herbaceous Species. <i>Frontiers in Plant Science</i> , 2018 , 9, 1431	6.2	11
227	Evolution of Protein Ductility in Duplicated Genes of Plants. <i>Frontiers in Plant Science</i> , 2018 , 9, 1216	6.2	6
226	Order-level fern plastome phylogenomics: new insights from Hymenophyllales. <i>American Journal of Botany</i> , 2018 , 105, 1545-1555	2.7	19

225	Linking species performance to community structure as affected by UV-B radiation: an attenuation experiment. <i>Journal of Plant Ecology</i> , 2018 , 11, 286-296	1.7	6
224	Fern genomes elucidate land plant evolution and cyanobacterial symbioses. <i>Nature Plants</i> , 2018 , 4, 460-472	17.5	176
223	The phycocyanobilin chromophore of streptophyte algal phytochromes is synthesized by HY2. <i>New Phytologist</i> , 2017 , 214, 1145-1157	9.8	15
222	The scaling of the hydraulic architecture in poplar leaves. <i>New Phytologist</i> , 2017 , 214, 145-157	9.8	23
221	Hornworts: An Overlooked Window into Carbon-Concentrating Mechanisms. <i>Trends in Plant Science</i> , 2017 , 22, 275-277	13.1	14
220	Identifying Morphological and Mechanical Traits Associated with Stem Lodging in Bioenergy Sorghum (<i>Sorghum bicolor</i>). <i>Bioenergy Research</i> , 2017 , 10, 635-647	3.1	20
219	The hydraulic architecture of Ginkgo leaves. <i>American Journal of Botany</i> , 2017 , 104, 1285-1298	2.7	15
218	Size-dependent variation in plant form. <i>Current Biology</i> , 2017 , 27, R900-R905	6.3	5
217	"Diminishing returns" in the scaling of leaf area vs. dry mass in Wuyi Mountain bamboos, Southeast China. <i>American Journal of Botany</i> , 2017 , 104, 993-998	2.7	21
216	Boechea microsatellite website: an online portal for species identification and determination of hybrid parentage. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	14
215	Boron and the evolutionary development of roots. <i>Plant Signaling and Behavior</i> , 2017 , 12, e1320631	2.5	9
214	Leaping lizards landing on leaves: escape-induced jumps in the rainforest canopy challenge the adhesive limits of geckos. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	11
213	The evolution of hydrophobic cell wall biopolymers: from algae to angiosperms. <i>Journal of Experimental Botany</i> , 2017 , 68, 5261-5269	7	41
212	From Goethe's plant archetype via Haeckel's biogenetic law to plant evo-devo 2016. <i>Theory in Biosciences</i> , 2017 , 136, 49-57	1.3	3
211	The evolutionary ecology (evo-eco) of plant asexual reproduction. <i>Evolutionary Ecology</i> , 2017 , 31, 317-332	3.2	9
210	Next-generation polyploid phylogenetics: rapid resolution of hybrid polyploid complexes using PacBio single-molecule sequencing. <i>New Phytologist</i> , 2017 , 213, 413-429	9.8	50
209	A predictive nondestructive model for the covariation of tree height, diameter, and stem volume scaling relationships. <i>Scientific Reports</i> , 2016 , 6, 31008	4.9	4
208	Super-resolution ribosome profiling reveals unannotated translation events in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E7126-E7135	11.5	124

207	Genes Translocated into the Plastid Inverted Repeat Show Decelerated Substitution Rates and Elevated GC Content. <i>Genome Biology and Evolution</i> , 2016 , 8, 2452-8	3.9	41
206	Genetic Analysis of <i>Physcomitrella patens</i> Identifies ABSCISIC ACID NON-RESPONSIVE, a Regulator of ABA Responses Unique to Basal Land Plants and Required for Desiccation Tolerance. <i>Plant Cell</i> , 2016 , 28, 1310-27	11.6	73
205	Spatiotemporal distribution of essential elements through <i>Populus</i> leaf ontogeny. <i>Journal of Experimental Botany</i> , 2016 , 67, 2777-86	7	6
204	The evolution of the plant genome-to-morphology auxin circuit. <i>Theory in Biosciences</i> , 2016 , 135, 175-86	1.3	5
203	<i>Asplenium pifongiae</i> (Aspleniaceae: Polypodiales), a New Species from Taiwan. <i>Systematic Botany</i> , 2016 , 41, 24-31	0.7	3
202	Evolutionary aspects of plant photoreceptors. <i>Journal of Plant Research</i> , 2016 , 129, 115-22	2.6	28
201	Maidenhair Ferns, <i>Adiantum</i> , are Indeed Monophyletic and Sister to Shoestring Ferns, Vittarioids (Pteridaceae). <i>Systematic Botany</i> , 2016 , 41, 17-23	0.7	17
200	Searching for Diamonds in the Apomictic Rough: A Case Study Involving <i>Boechera lignifera</i> (Brassicaceae). <i>Systematic Botany</i> , 2016 , 40, 1031-1044	0.7	6
199	Comment on "Critical wind speed at which trees break". <i>Physical Review E</i> , 2016 , 94, 067001	2.4	10
198	A community-derived classification for extant lycophytes and ferns. <i>Journal of Systematics and Evolution</i> , 2016 , 54, 563-603	2.9	562
197	Microbial-type terpene synthase genes occur widely in nonseed land plants, but not in seed plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 12328-12333	11.5	48
196	Isometric scaling of above- and below-ground biomass at the individual and community levels in the understorey of a sub-tropical forest. <i>Annals of Botany</i> , 2015 , 115, 303-13	4.1	14
195	Aerodynamics and pollen ultrastructure in <i>Ephedra</i> . <i>American Journal of Botany</i> , 2015 , 102, 457-70	2.7	28
194	A phyletic perspective on cell growth. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015 , 7,	10.2	12
193	Phytochrome diversity in green plants and the origin of canonical plant phytochromes. <i>Nature Communications</i> , 2015 , 6, 7852	17.4	100
192	Growth synchrony between leaves and stems during twig development differs among plant functional types of subtropical rainforest woody species. <i>Tree Physiology</i> , 2015 , 35, 621-31	4.2	7
191	The evolutionary history of ferns inferred from 25 low-copy nuclear genes. <i>American Journal of Botany</i> , 2015 , 102, 1089-107	2.7	114
190	Historical revisionism and the inheritance theories of Darwin and Weismann. <i>Die Naturwissenschaften</i> , 2015 , 102, 27	2	2

189	A Biophysical Perspective on the Pollination Biology of <i>Ephedra nevadensis</i> and <i>E. trifurca</i> . <i>Botanical Review, The</i> , 2015 , 81, 28-41	3.8	10
188	Kleiber's Law: How the Fire of Life ignited debate, fueled theory, and neglected plants as model organisms. <i>Plant Signaling and Behavior</i> , 2015 , 10, e1036216	2.5	10
187	Artificial asymmetric warming reduces nectar yield in a Tibetan alpine species of Asteraceae. <i>Annals of Botany</i> , 2015 , 116, 899-906	4.1	38
186	An Exploration into Fern Genome Space. <i>Genome Biology and Evolution</i> , 2015 , 7, 2533-44	3.9	63
185	Measuring the tempo of plant death and birth. <i>New Phytologist</i> , 2015 , 207, 254-256	9.8	1
184	Rethinking gene regulatory networks in light of alternative splicing, intrinsically disordered protein domains, and post-translational modifications. <i>Frontiers in Cell and Developmental Biology</i> , 2015 , 3, 8	5.7	71
183	The origin and evolution of phototropins. <i>Frontiers in Plant Science</i> , 2015 , 6, 637	6.2	56
182	A theoretical framework for whole-plant carbon assimilation efficiency based on metabolic scaling theory: a test case using <i>Picea</i> seedlings. <i>Tree Physiology</i> , 2015 , 35, 599-607	4.2	12
181	The evolutionary-developmental origins of multicellularity. <i>American Journal of Botany</i> , 2014 , 101, 6-25	2.7	89
180	Did meiosis evolve before sex and the evolution of eukaryotic life cycles?. <i>BioEssays</i> , 2014 , 36, 1091-101	4.1	17
179	The Hybrid Origin of <i>Adiantum meishanianum</i> (Pteridaceae): A Rare and Endemic Species in Taiwan. <i>Systematic Botany</i> , 2014 , 39, 1034-1041	0.7	14
178	Amphimixis and the individual in evolving populations: does Weismann's Doctrine apply to all, most or a few organisms?. <i>Die Naturwissenschaften</i> , 2014 , 101, 357-72	2	12
177	Horizontal transfer of an adaptive chimeric photoreceptor from bryophytes to ferns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 6672-7	11.5	121
176	Domesticated honey bees evolutionarily reduce flower nectar volume in a Tibetan lotus. <i>Ecology</i> , 2014 , 95, 3161-3172	4.6	21
175	Crowdfunding the <i>Azolla</i> fern genome project: a grassroots approach. <i>GigaScience</i> , 2014 , 3, 16	7.6	19
174	The Optimization of Seed Yield across the Flowering Season of <i>Gentiana leucomelaena</i> (Gentianaceae), an Herbaceous Tibetan Annual. <i>Arctic, Antarctic, and Alpine Research</i> , 2014 , 46, 548-557	1.8	3
173	Between two fern genomes. <i>GigaScience</i> , 2014 , 3, 15	7.6	56
172	Biophysical effects on plant competition and coexistence. <i>Functional Ecology</i> , 2013 , 27, 854-864	5.6	19

171	The evo-devo of multinucleate cells, tissues, and organisms, and an alternative route to multicellularity. <i>Evolution & Development</i> , 2013 , 15, 466-74	2.6	25
170	Biophysical and size-dependent perspectives on plant evolution. <i>Journal of Experimental Botany</i> , 2013 , 64, 4817-27	7	17
169	The origins of multicellular organisms. <i>Evolution & Development</i> , 2013 , 15, 41-52	2.6	101
168	Transcriptome-mining for single-copy nuclear markers in ferns. <i>PLoS ONE</i> , 2013 , 8, e76957	3.7	44
167	Testing the packing rule across the twig-petiole interface of temperate woody species. <i>Trees - Structure and Function</i> , 2012 , 26, 1737-1745	2.6	4
166	Leaf traits and relationships differ with season as well as among species groupings in a managed Southeastern China forest landscape. <i>Plant Ecology</i> , 2012 , 213, 1489-1502	1.7	12
165	Gaga, a New Fern Genus Segregated from Cheilanthes (Pteridaceae). <i>Systematic Botany</i> , 2012 , 37, 845-860	7	52
164	Global warming reduces plant reproductive output for temperate multi-inflorescence species on the Tibetan plateau. <i>New Phytologist</i> , 2012 , 195, 427-436	9.8	54
163	Mechanical properties of wood disproportionately increase with increasing density. <i>American Journal of Botany</i> , 2012 , 99, 169-70	2.7	12
162	Plant development, auxin, and the subsystem incompleteness theorem. <i>Frontiers in Plant Science</i> , 2012 , 3, 37	6.2	16
161	Do plants explore habitats before exploiting them? An explicit test using two stoloniferous herbs. <i>Science Bulletin</i> , 2012 , 57, 2425-2432		3
160	The evolution and functional significance of leaf shape in the angiosperms. <i>Functional Plant Biology</i> , 2011 , 38, 535-552	2.7	266
159	rbcL and matK earn two thumbs up as the core DNA barcode for ferns. <i>PLoS ONE</i> , 2011 , 6, e26597	3.7	56
158	Climbing plants: attachment and the ascent for light. <i>Current Biology</i> , 2011 , 21, R199-201	6.3	7
157	Difference in Floral Traits, Pollination, and Reproductive Success between White and Blue Flowers of <i>Gentiana leucomelaena</i> (Gentianaceae) in an Alpine Meadow. <i>Arctic, Antarctic, and Alpine Research</i> , 2011 , 43, 410-416	1.8	8
156	Important foliar traits depend on species-grouping: analysis of a remnant temperate forest at the Keerqin Sandy Lands, China. <i>Plant and Soil</i> , 2011 , 340, 337-345	4.2	11
155	First insights into fern matK phylogeny. <i>Molecular Phylogenetics and Evolution</i> , 2011 , 59, 556-66	4.1	100
154	COMPUTER SIMULATIONS OF PLANT BIODIVERSITY IN STABLE AND UNSTABLE ENVIRONMENTS: A TEST OF THE NEUTRAL BIODIVERSITY THEORY. <i>Journal of Biological Systems</i> , 2011 , 19, 1-17	1.6	11

153	Differences in the scaling of area and mass of Ginkgo biloba (Ginkgoaceae) leaves and their relevance to the study of specific leaf area. <i>American Journal of Botany</i> , 2011 , 98, 1381-6	2.7	17
152	The evolution of the land plant life cycle. <i>New Phytologist</i> , 2010 , 185, 27-41	9.8	118
151	Ontogenetic shift in the scaling of dark respiration with whole-plant mass in seven shrub species. <i>Functional Ecology</i> , 2010 , 24, 502-512	5.6	32
150	Ontogenetic changes in the numbers of short- vs. long-shoots account for decreasing specific leaf area in <i>Acer rubrum</i> (Aceraceae) as trees increase in size. <i>American Journal of Botany</i> , 2010 , 97, 27-37	2.7	13
149	Worldwide correlations of mechanical properties and green wood density. <i>American Journal of Botany</i> , 2010 , 97, 1587-94	2.7	95
148	Tissue-direct PCR, a rapid and extraction-free method for barcoding of ferns. <i>Molecular Ecology Resources</i> , 2010 , 10, 92-5	8.4	26
147	Predicting the allometry of leaf surface area and dry mass. <i>American Journal of Botany</i> , 2009 , 96, 531-6	2.7	33
146	Identifying a mysterious aquatic fern gametophyte. <i>Plant Systematics and Evolution</i> , 2009 , 281, 77-86	1.3	38
145	Functional adaptation and phenotypic plasticity at the cellular and whole plant level. <i>Journal of Biosciences</i> , 2009 , 34, 613-20	2.3	24
144	The effect of twig architecture and seed number on seed size variation in subtropical woody species. <i>New Phytologist</i> , 2009 , 183, 1212-1221	9.8	19
143	The evolutionary development of plant body plans. <i>Functional Plant Biology</i> , 2009 , 36, 682-695	2.7	55
142	Evidence for "diminishing returns" from the scaling of stem diameter and specific leaf area. <i>American Journal of Botany</i> , 2008 , 95, 549-57	2.7	33
141	Genetic effects on the biomass partitioning and growth of <i>Pisum</i> and <i>Lycopersicon</i> . <i>American Journal of Botany</i> , 2008 , 95, 424-33	2.7	1
140	<i>Carica papaya</i> (Caricaceae): a case study into the effects of domestication on plant vegetative growth and reproduction. <i>American Journal of Botany</i> , 2007 , 94, 999-1002	2.7	18
139	Sizing up life and death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15589-90	11.5	3
138	Maximum plant height and the biophysical factors that limit it. <i>Tree Physiology</i> , 2007 , 27, 433-40	4.2	72
137	"Diminishing returns" in the scaling of functional leaf traits across and within species groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 8891-6	11.5	143
136	Plant biomechanics: an overview and prospectus. <i>American Journal of Botany</i> , 2006 , 93, 1369-78	2.7	36

135	A comparison between the record height-to-stem diameter allometries of <i>Pachycaulis</i> and <i>Leptocaulis</i> species. <i>Annals of Botany</i> , 2006 , 97, 79-83	4.1	42
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3	A simple Agrobacterium-mediated stable transformation technique for the hornwort model <i>Anthoceros agrestis</i>		1
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