

Brian Enquist

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.

260
papers

32,311
citations

79
h-index

178
g-index

299
ext. papers

38,490
ext. citations

10.5
avg, IF

7.25
L-index

#	Paper	IF	Citations
260	The number of tree species on Earth.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
259	Hydraulic tradeoffs underlie local variation in tropical forest functional diversity and sensitivity to drought.. <i>New Phytologist</i> , 2022 ,	9.8	1
258	Elevated extinction risk of cacti under climate change.. <i>Nature Plants</i> , 2022 ,	11.5	1
257	Remotely sensed assessment of increasing chronic and episodic drought effects on a Costa Rican tropical dry forest. <i>Ecosphere</i> , 2021 , 12, e03824	3.1	1
256	Conservation needs to integrate knowledge across scales. <i>Nature Ecology and Evolution</i> , 2021 ,	12.3	4
255	From a crisis to an opportunity: Eight insights for doing science in the COVID-19 era and beyond. <i>Ecology and Evolution</i> , 2021 , 11, 3588-3596	2.8	2
254	Multiscale mapping of plant functional groups and plant traits in the High Arctic using field spectroscopy, UAV imagery and Sentinel-2A data. <i>Environmental Research Letters</i> , 2021 , 16, 055006	6.2	10
253	Human food use increases plant geographical ranges in the Sonoran Desert. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1461-1473	6.1	0
252	sPlotOpen [An environmentally balanced, open-access, global dataset of vegetation plots. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1740-1764	6.1	6
251	Soil-associated drivers of plant traits and functional composition in Atlantic Forest coastal tree communities. <i>Ecosphere</i> , 2021 , 12, e03629	3.1	1
250	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , 2021 , 252, 112122	13.2	15
249	Next-generation field courses: Integrating Open Science and online learning. <i>Ecology and Evolution</i> , 2021 , 11, 3577-3587	2.8	2
248	Branching principles of animal and plant networks identified by combining extensive data, machine learning and modelling. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20200624	4.1	1
247	Consistent trait-environment relationships within and across tundra plant communities. <i>Nature Ecology and Evolution</i> , 2021 , 5, 458-467	12.3	4
246	A Test of Species Distribution Model Transferability Across Environmental and Geographic Space for 108 Western North American Tree Species. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	5
245	Areas of global importance for conserving terrestrial biodiversity, carbon and water. <i>Nature Ecology and Evolution</i> , 2021 , 5, 1499-1509	12.3	24
244	How deregulation, drought and increasing fire impact Amazonian biodiversity. <i>Nature</i> , 2021 , 597, 516-524	50.4	10

243	The adaptive challenge of extreme conditions shapes evolutionary diversity of plant assemblages at continental scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
242	The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	3
241	Darwin's naturalization conundrum can be explained by spatial scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10904-10910	11.5	18
240	Plant traits and vegetation data from climate warming experiments along an 1100 m elevation gradient in Gongga Mountains, China. <i>Scientific Data</i> , 2020 , 7, 189	8.2	5
239	Satellite-derived foresummer drought sensitivity of plant productivity in Rocky Mountain headwater catchments: spatial heterogeneity and geological-geomorphological control. <i>Environmental Research Letters</i> , 2020 , 15, 084018	6.2	12
238	Global gradients in intraspecific variation in vegetative and floral traits are partially associated with climate and species richness. <i>Global Ecology and Biogeography</i> , 2020 , 29, 992-1007	6.1	13
237	The Influence of Taxonomy and Environment on Leaf Trait Variation Along Tropical Abiotic Gradients. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	6
236	Doubling demands in programming skills call for ecoinformatics education. <i>Frontiers in Ecology and the Environment</i> , 2020 , 18, 123-124	5.5	4
235	30% land conservation and climate action reduces tropical extinction risk by more than 50%. <i>Ecography</i> , 2020 , 43, 943-953	6.5	46
234	Open Science principles for accelerating trait-based science across the Tree of Life. <i>Nature Ecology and Evolution</i> , 2020 , 4, 294-303	12.3	54
233	Long-term shifts in the functional composition and diversity of a tropical dry forest: a 30-yr study. <i>Ecological Monographs</i> , 2020 , 90, e01408	9	8
232	Leaf size of woody dicots predicts ecosystem primary productivity. <i>Ecology Letters</i> , 2020 , 23, 1003-1013	10	16
231	The megabiota are disproportionately important for biosphere functioning. <i>Nature Communications</i> , 2020 , 11, 699	17.4	35
230	Adding Value to a Field-Based Course with a Science Communication Module on Local Perceptions of Climate Change. <i>Bulletin of the Ecological Society of America</i> , 2020 , 101, e01680	0.7	1
229	Species' range model metadata standards: RMMS. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1912-1924	6.1	8
228	sPlot: A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019 , 30, 161-186	3.1	96
227	Drivers of C cycling in three arctic-alpine plant communities. <i>Arctic, Antarctic, and Alpine Research</i> , 2019 , 51, 128-147	1.8	3
226	Temperature shapes opposing latitudinal gradients of plant taxonomic and phylogenetic diversity. <i>Ecology Letters</i> , 2019 , 22, 1126-1135	10	26

225	Patterns and ecological determinants of woody plant height in eastern Eurasia and its relation to primary productivity. <i>Journal of Plant Ecology</i> , 2019 , 12, 791-803	1.7	4
224	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019 , 569, 404-408	50.4	203
223	Thermal disruption of soil bacterial assemblages decreases diversity and assemblage similarity. <i>Ecosphere</i> , 2019 , 10, e02598	3.1	1
222	Leaf age effects on the spectral predictability of leaf traits in Amazonian canopy trees. <i>Science of the Total Environment</i> , 2019 , 666, 1301-1315	10.2	12
221	Drier tropical forests are susceptible to functional changes in response to a long-term drought. <i>Ecology Letters</i> , 2019 , 22, 855-865	10	39
220	The relationship of woody plant size and leaf nutrient content to large-scale productivity for forests across the Americas. <i>Journal of Ecology</i> , 2019 , 107, 2278-2290	6	11
219	Drought and the interannual variability of stem growth in an aseasonal, everwet forest. <i>Biotropica</i> , 2019 , 51, 139-154	2.3	4
218	The plant diversity sampling design for The National Ecological Observatory Network. <i>Ecosphere</i> , 2019 , 10, e02603	3.1	7
217	Continental scale structuring of forest and soil diversity via functional traits. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1298-1308	12.3	17
216	On the relationships between size and abundance in plants: beyond forest communities. <i>Ecosphere</i> , 2019 , 10, e02856	3.1	4
215	Covariance of Sun and Shade Leaf Traits Along a Tropical Forest Elevation Gradient. <i>Frontiers in Plant Science</i> , 2019 , 10, 1810	6.2	10
214	. <i>IEEE Access</i> , 2019 , 7, 182796-182813	3.5	9
213	The commonness of rarity: Global and future distribution of rarity across land plants. <i>Science Advances</i> , 2019 , 5, eaaz0414	14.3	94
212	Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. <i>Science Advances</i> , 2019 , 5, eaaw8114	14.3	29
211	Climate shapes and shifts functional biodiversity in forests worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 587-592	11.5	58
210	A roadmap for global synthesis of the plant tree of life. <i>American Journal of Botany</i> , 2018 , 105, 614-622	2.7	29
209	Structural and defensive roles of angiosperm leaf venation network reticulation across an Andes-Amazon elevation gradient. <i>Journal of Ecology</i> , 2018 , 106, 1683-1699	6	8
208	Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. <i>Journal of Biogeography</i> , 2018 , 45, 895-916	4.1	57

207	Adaptive diversification of growth allometry in the plant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3416-3421	11.5	40
206	Toward a theory for diversity gradients: the abundance-adaptation hypothesis. <i>Ecography</i> , 2018 , 41, 2556-2564	26	
205	Draining the Pool? Carbon Storage and Fluxes in Three Alpine Plant Communities. <i>Ecosystems</i> , 2018 , 21, 316-330	3.9	26
204	Fire effects and ecological recovery pathways of tropical montane cloud forests along a time chronosequence. <i>Global Change Biology</i> , 2018 , 24, 758-772	11.4	9
203	The bien r package: A tool to access the Botanical Information and Ecology Network (BIEN) database. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 373-379	7.7	131
202	Late Quaternary climate legacies in contemporary plant functional composition. <i>Global Change Biology</i> , 2018 , 24, 4827-4840	11.4	29
201	Isoprene emission structures tropical tree biogeography and community assembly responses to climate. <i>New Phytologist</i> , 2018 , 220, 435-446	9.8	17
200	When tree rings go global: Challenges and opportunities for retro- and prospective insight. <i>Quaternary Science Reviews</i> , 2018 , 197, 1-20	3.9	81
199	Drivers of terrestrial plant production across broad geographical gradients. <i>Global Ecology and Biogeography</i> , 2018 , 27, 166-174	6.1	42
198	Taxonomic decomposition of the latitudinal gradient in species diversity of North American floras. <i>Journal of Biogeography</i> , 2018 , 45, 418-428	4.1	16
197	New approaches for delineating n-dimensional hypervolumes. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 305-319	7.7	102
196	Tropical forest leaves may darken in response to climate change. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1918-1924	12.3	16
195	Intraspecific Trait Variation and Phenotypic Plasticity Mediate Alpine Plant Species Response to Climate Change. <i>Frontiers in Plant Science</i> , 2018 , 9, 1548	6.2	60
194	Plant Functional Diversity and the Biogeography of Biomes in North and South America. <i>Frontiers in Ecology and Evolution</i> , 2018 , 6,	3.7	22
193	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018 , 562, 57-62	50.4	264
192	Similarities and differences in intrapopulation trait correlations of co-occurring tree species: consistent water-use relationships amid widely different correlation patterns. <i>American Journal of Botany</i> , 2018 , 105, 1477-1490	2.7	15
191	Experimental herbivore exclusion, shrub introduction, and carbon sequestration in alpine plant communities. <i>BMC Ecology</i> , 2018 , 18, 29	2.7	5
190	Leaf aging of Amazonian canopy trees as revealed by spectral and physiochemical measurements. <i>New Phytologist</i> , 2017 , 214, 1049-1063	9.8	101

189	Predictability in community dynamics. <i>Ecology Letters</i> , 2017 , 20, 293-306	10	47
188	Predicting trait-environment relationships for venation networks along an Andes-Amazon elevation gradient. <i>Ecology</i> , 2017 , 98, 1239-1255	4.6	20
187	Interspecific integration of trait dimensions at local scales: the plant phenotype as an integrated network. <i>Journal of Ecology</i> , 2017 , 105, 1775-1790	6	73
186	Biogeochemistry drives diversity in the prokaryotes, fungi, and invertebrates of a Panama forest. <i>Ecology</i> , 2017 , 98, 2019-2028	4.6	34
185	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. <i>Ecology Letters</i> , 2017 , 20, 730-740	10	62
184	Does environmental heterogeneity drive functional trait variation? A test in montane and alpine meadows. <i>Oikos</i> , 2017 , 126, 1650-1659	4	46
183	Correspondence: Reply to 'Analytical flaws in a continental-scale forest soil microbial diversity study'. <i>Nature Communications</i> , 2017 , 8, 15583	17.4	4
182	Less favourable climates constrain demographic strategies in plants. <i>Ecology Letters</i> , 2017 , 20, 969-980	10	53
181	The evolution of bacterial cell size: the internal diffusion-constraint hypothesis. <i>ISME Journal</i> , 2017 , 11, 1559-1568	11.9	16
180	The role of functional uniqueness and spatial aggregation in explaining rarity in trees. <i>Global Ecology and Biogeography</i> , 2017 , 26, 777-786	6.1	24
179	Can Leaf Spectroscopy Predict Leaf and Forest Traits Along a Peruvian Tropical Forest Elevation Gradient?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 2952-2965	3.7	10
178	Assessing trait-based scaling theory in tropical forests spanning a broad temperature gradient. <i>Global Ecology and Biogeography</i> , 2017 , 26, 1357-1373	6.1	29
177	A general model for metabolic scaling in self-similar asymmetric networks. <i>PLoS Computational Biology</i> , 2017 , 13, e1005394	5	19
176	Landscape context explains changes in the functional diversity of regenerating forests better than climate or species richness. <i>Global Ecology and Biogeography</i> , 2017 , 26, 1165-1176	6.1	26
175	Using n-dimensional hypervolumes for species distribution modelling: A response to Qiao et al. (). <i>Global Ecology and Biogeography</i> , 2017 , 26, 1071-1075	6.1	12
174	Biodiversity and climate determine the functioning of Neotropical forests. <i>Global Ecology and Biogeography</i> , 2017 , 26, 1423-1434	6.1	110
173	Towards a thesaurus of plant characteristics: an ecological contribution. <i>Journal of Ecology</i> , 2017 , 105, 298-309	6	75
172	Scale dependence of canopy trait distributions along a tropical forest elevation gradient. <i>New Phytologist</i> , 2017 , 214, 973-988	9.8	40

171	Variation in leaf wettability traits along a tropical montane elevation gradient. <i>New Phytologist</i> , 2017 , 214, 989-1001	9.8	35
170	Trait variation and integration across scales: is the leaf economic spectrum present at local scales?. <i>Ecography</i> , 2017 , 40, 685-697	6.5	110
169	Big data of tree species distributions: how big and how good?. <i>Forest Ecosystems</i> , 2017 , 4,	3.8	39
168	A plant growth form dataset for the New World. <i>Ecology</i> , 2016 , 97, 3243	4.6	26
167	Temperature mediates continental-scale diversity of microbes in forest soils. <i>Nature Communications</i> , 2016 , 7, 12083	17.4	271
166	Examining variation in the leaf mass per area of dominant species across two contrasting tropical gradients in light of community assembly. <i>Ecology and Evolution</i> , 2016 , 6, 5674-89	2.8	18
165	Production of leaf wax n-alkanes across a tropical forest elevation transect. <i>Organic Geochemistry</i> , 2016 , 100, 89-100	3.1	49
164	Observed forest sensitivity to climate implies large changes in 21st century North American forest growth. <i>Ecology Letters</i> , 2016 , 19, 1119-28	10	109
163	Temperature response of soil respiration largely unaltered with experimental warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13797-13802	11.5	206
162	The energetic and carbon economic origins of leaf thermoregulation. <i>Nature Plants</i> , 2016 , 2, 16129	11.5	97
161	A network approach for inferring species associations from co-occurrence data. <i>Ecography</i> , 2016 , 39, 1139-1150	6.5	66
160	Biogeographic patterns of soil diazotrophic communities across six forests in North America. <i>Molecular Ecology</i> , 2016 , 25, 2937-48	5.7	57
159	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 182, 155-172	5.5	68
158	Patterns and drivers of plant functional group dominance across the Western Hemisphere: a macroecological re-assessment based on a massive botanical dataset. <i>Botanical Journal of the Linnean Society</i> , 2016 , 180, 141-160	2.2	50
157	Re-growing a tropical dry forest: functional plant trait composition and community assembly during succession. <i>Functional Ecology</i> , 2016 , 30, 1006-1013	5.6	52
156	Variation and macroevolution in leaf functional traits in the Hawaiian silversword alliance (Asteraceae). <i>Journal of Ecology</i> , 2016 , 104, 219-228	6	31
155	Plant-O-Matic: a dynamic and mobile guide to all plants of the Americas. <i>Methods in Ecology and Evolution</i> , 2016 , 7, 960-965	7.7	17
154	Towards Process-based Range Modeling of Many Species. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 860-871	8.1	78

153	Megafauna extinction, tree species range reduction, and carbon storage in Amazonian forests. <i>Ecography</i> , 2016 , 39, 194-203	6.5	64
152	Response to Comments on "Evidence for mesothermy in dinosaurs". <i>Science</i> , 2015 , 348, 982	33.3	3
151	On the Importance of First Principles in Ecological Theory Development. <i>BioScience</i> , 2015 , 65, 342-343	5.7	5
150	Linking environmental filtering and disequilibrium to biogeography with a community climate framework. <i>Ecology</i> , 2015 , 96, 972-85	4.6	50
149	Novel spatial analysis methods reveal scale-dependent spread and infer limiting factors of invasion by Sahara mustard. <i>Ecography</i> , 2015 , 38, 311-320	6.5	6
148	Scaling from Traits to Ecosystems. <i>Advances in Ecological Research</i> , 2015 , 249-318	4.6	183
147	Linking canopy leaf area and light environments with tree size distributions to explain Amazon forest demography. <i>Ecology Letters</i> , 2015 , 18, 636-45	10	43
146	The Effect of the Foresummer Drought on Carbon Exchange in Subalpine Meadows. <i>Ecosystems</i> , 2015 , 18, 533-545	3.9	26
145	Plant Thermoregulation: Energetics, Trait-Environment Interactions, and Carbon Economics. <i>Trends in Ecology and Evolution</i> , 2015 , 30, 714-724	10.9	93
144	Testing models for the leaf economics spectrum with leaf and whole-plant traits in <i>Arabidopsis thaliana</i> . <i>AoB PLANTS</i> , 2015 , 7,	2.9	35
143	Shifts in trait means and variances in North American tree assemblages: species richness patterns are loosely related to the functional space. <i>Ecography</i> , 2015 , 38, 649-658	6.5	75
142	Limited sampling hampers "big data" estimation of species richness in a tropical biodiversity hotspot. <i>Ecology and Evolution</i> , 2015 , 5, 807-20	2.8	67
141	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , 2015 , 24, 1314-1828		245
140	Assessing the general patterns of forest structure: quantifying tree and forest allometric scaling relationships in the United States. <i>Global Ecology and Biogeography</i> , 2015 , 24, 1465-1475	6.1	46
139	Ecological traits influence the phylogenetic structure of bird species co-occurrences worldwide. <i>Ecology Letters</i> , 2014 , 17, 811-20	10	54
138	On Theory in Ecology. <i>BioScience</i> , 2014 , 64, 701-710	5.7	131
137	Inferring climate from angiosperm leaf venation networks. <i>New Phytologist</i> , 2014 , 204, 116-126	9.8	29
136	Convergence of terrestrial plant production across global climate gradients. <i>Nature</i> , 2014 , 512, 39-43	50.4	195

135	Inclusion of vein traits improves predictive power for the leaf economic spectrum: a response to Sack et al. (2013). <i>Journal of Experimental Botany</i> , 2014 , 65, 5109-14	7	17
134	Dinosaur physiology. Evidence for mesothermy in dinosaurs. <i>Science</i> , 2014 , 344, 1268-72	33.3	104
133	Separating macroecological pattern and process: comparing ecological, economic, and geological systems. <i>PLoS ONE</i> , 2014 , 9, e112850	3.7	7
132	Revisiting Darwin's hypothesis: Does greater intraspecific variability increase species' ecological breadth?. <i>American Journal of Botany</i> , 2014 , 101, 56-62	2.7	59
131	Plant ecological strategies shift across the Cretaceous-Paleogene boundary. <i>PLoS Biology</i> , 2014 , 12, e1001949	19.49	31
130	Deviation from symmetrically self-similar branching in trees predicts altered hydraulics, mechanics, light interception and metabolic scaling. <i>New Phytologist</i> , 2014 , 201, 217-229	9.8	44
129	Functional trait space and the latitudinal diversity gradient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13745-50	11.5	220
128	The n-dimensional hypervolume. <i>Global Ecology and Biogeography</i> , 2014 , 23, 595-609	6.1	339
127	The emergence and promise of functional biogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13690-6	11.5	391
126	Intra-specific and inter-specific variation in specific leaf area reveal the importance of abiotic and biotic drivers of species diversity across elevation and latitude. <i>Journal of Vegetation Science</i> , 2013 , 24, 921-931	3.1	103
125	The taxonomic name resolution service: an online tool for automated standardization of plant names. <i>BMC Bioinformatics</i> , 2013 , 14, 16	3.6	277
124	Assessing the causes and scales of the leaf economics spectrum using venation networks in <i>Populus tremuloides</i> . <i>Journal of Ecology</i> , 2013 , 101, 981-989	6	56
123	An empirical assessment of tree branching networks and implications for plant allometric scaling models. <i>Ecology Letters</i> , 2013 , 16, 1069-78	10	69
122	Habitat area and climate stability determine geographical variation in plant species range sizes. <i>Ecology Letters</i> , 2013 , 16, 1446-54	10	93
121	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. <i>New Phytologist</i> , 2013 , 198, 252-263	9.8	94
120	A species-level model for metabolic scaling of trees II. Testing in a ring- and diffuse-porous species. <i>Functional Ecology</i> , 2012 , 26, 1066-1076	5.6	26
119	A species-level model for metabolic scaling in trees I. Exploring boundaries to scaling space within and across species. <i>Functional Ecology</i> , 2012 , 26, 1054-1065	5.6	40
118	Accounting for spatial autocorrelation in null models of tree species association. <i>Ecography</i> , 2012 , 35, 510-518	6.5	17

117	The biogeography and filtering of woody plant functional diversity in North and South America. <i>Global Ecology and Biogeography</i> , 2012 , 21, 798-808	6.1	179
116	A common genetic basis to the origin of the leaf economics spectrum and metabolic scaling allometry. <i>Ecology Letters</i> , 2012 , 15, 1149-57	10	91
115	The leaf-area shrinkage effect can bias paleoclimate and ecology research. <i>American Journal of Botany</i> , 2012 , 99, 1756-63	2.7	40
114	The return of the variance: intraspecific variability in community ecology. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 244-52	10.9	926
113	Viva la variance! A reply to Nakagawa & Schielzeth. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 475-476	10.9	5
112	X-ray imaging of leaf venation networks. <i>New Phytologist</i> , 2012 , 196, 1274-1282	9.8	57
111	Evolving ecological networks and the emergence of biodiversity patterns across temperature gradients. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 1051-60	4.4	37
110	Interannual variability of growth and reproduction in <i>Bursera simaruba</i> : the role of allometry and resource variability. <i>Ecology</i> , 2012 , 93, 180-90	4.6	14
109	Eco-evolutionary community dynamics: covariation between diversity and invasibility across temperature gradients. <i>American Naturalist</i> , 2012 , 180, E110-26	3.7	9
108	SALVIAS ¶the SALVIAS vegetation inventory database. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012 , 4, 288-288		11
107	The iPlant Collaborative: Cyberinfrastructure for Plant Biology. <i>Frontiers in Plant Science</i> , 2011 , 2, 34	6.2	306
106	Venation networks and the origin of the leaf economics spectrum. <i>Ecology Letters</i> , 2011 , 14, 91-100	10	156
105	Variation in above-ground forest biomass across broad climatic gradients. <i>Global Ecology and Biogeography</i> , 2011 , 20, 744-754	6.1	156
104	Global species¶energy relationship in forest plots: role of abundance, temperature and species climatic tolerances. <i>Global Ecology and Biogeography</i> , 2011 , 20, 842-856	6.1	51
103	Long-term change within a Neotropical forest: assessing differential functional and floristic responses to disturbance and drought. <i>Global Change Biology</i> , 2011 , 17, 1408-1424	11.4	97
102	TRY ¶ global database of plant traits. <i>Global Change Biology</i> , 2011 , 17, 2905-2935	11.4	1623
101	Response to Coomes & Allen (2009)¶Testing the metabolic scaling theory of tree growth¶ <i>Journal of Ecology</i> , 2011 , 99, 741-747	6	6
100	Putting plant resistance traits on the map: a test of the idea that plants are better defended at lower latitudes. <i>New Phytologist</i> , 2011 , 191, 777-788	9.8	126

99	Metabolic scaling in insects supports the predictions of the WBE model. <i>Journal of Insect Physiology</i> , 2011 , 57, 688-93	2.4	24
98	Forest annual carbon cost: comment. <i>Ecology</i> , 2011 , 92, 1994-8; discussion 1998-2002	4.6	9
97	Biological stoichiometry of plant production: metabolism, scaling and ecological response to global change. <i>New Phytologist</i> , 2010 , 186, 593-608	9.8	532
96	Hydraulic trade-offs and space filling enable better predictions of vascular structure and function in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 22722-7	11.5	145
95	Wanted: A General and Predictive Theory for Trait-based Plant Ecology. <i>BioScience</i> , 2010 , 60, 854-855	5.7	4
94	Extensions and evaluations of a general quantitative theory of forest structure and dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7046-51	11.5	192
93	A general quantitative theory of forest structure and dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7040-5	11.5	218
92	Comment on Coomes et al. 'Scaling of xylem vessels and veins within the leaves of oak species'. <i>Biology Letters</i> , 2009 , 5, 380; author reply 381-2	3.6	1
91	Taking species abundance distributions beyond individuals. <i>Ecology Letters</i> , 2009 , 12, 488-501	10	65
90	Advancing the metabolic theory of biodiversity. <i>Ecology Letters</i> , 2009 , 12, 1001-15	10	49
89	Improved abundance prediction from presence-absence data. <i>Global Ecology and Biogeography</i> , 2009 , 18, 1-10	6.1	33
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