S. Joseph Wright

List of Publications by Year in Descending Order

312 papers	29,862 citations	91 h-index	165 g-index
341 ext. papers	34,707 ext. citations	6.8 avg, IF	7.25 L-index

#	Paper	IF	Citations
312	Global patterns and predictors of soil microbial biomass carbon, nitrogen, and phosphorus in terrestrial ecosystems. *Catena*, **2022**, 211, 106037	5.8	1
311	Simulating environmentally sensitive tree recruitment in vegetation demographic models.. *New Phytologist*, **2022**,	9.8	1
310	Globally, tree fecundity exceeds productivity gradients.. *Ecology Letters*, **2022**,	10	4
309	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery.. *Nature Communications*, **2022**, 13, 2381	17.4	2
308	Functional recovery of secondary tropical forests. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
307	Tradeoffs and Synergies in Tropical Forest Root Traits and Dynamics for Nutrient and Water Acquisition: Field and Modeling Advances. *Frontiers in Forests and Global Change*, **2021**, 4,	3.7	1
306	Global synthesis for the scaling of soil microbial nitrogen to phosphorus in terrestrial ecosystems. *Environmental Research Letters*, **2021**, 16, 044034	6.2	3
305	Functional biogeography of Neotropical moist forests: Trait□limate relationships and assembly patterns of tree communities. *Global Ecology and Biogeography*, **2021**, 30, 1430-1446	6.1	2
304	Hydraulic architecture explains species moisture dependency but not mortality rates across a tropical rainfall gradient. *Biotropica*, **2021**, 53, 1213-1225	2.3	1
303	Host specificity and interaction networks of insects feeding on seeds and fruits in tropical rainforests. *Oikos*, **2021**, 130, 1462-1476	4	1
302	Hydraulically-vulnerable trees survive on deep-water access during droughts in a tropical forest. *New Phytologist*, **2021**, 231, 1798-1813	9.8	11
301	Shifts in taxonomic and functional composition of trees along rainfall and phosphorus gradients in central Panama. *Journal of Ecology*, **2021**, 109, 51-61	6	12
300	The interspecific growth-mortality trade-off is not a general framework for tropical forest community structure. *Nature Ecology and Evolution*, **2021**, 5, 174-183	12.3	7
299	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. *Biological Conservation*, **2021**, 253, 108907	6.2	36
298	Leaf turgor loss point shapes local and regional distributions of evergreen but not deciduous tropical trees. *New Phytologist*, **2021**, 230, 485-496	9.8	7
297	Increased mortality of tropical tree seedlings during the extreme 2015-16 El Ni□. *Global Change Biology*, **2021**, 27, 5043-5053	11.4	4
296	Is there tree senescence? The fecundity evidence. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	13

295	Nutrient limitation of plant reproduction in a tropical moist forest. *Ecology*, **2021**, 102, e03469	4.6	2
294	A comprehensive framework for seasonal controls of leaf abscission and productivity in evergreen broadleaved tropical and subtropical forests.. *Innovation(China)*, **2021**, 2, 100154	17.8	8
293	Allometric constraints and competition enable the simulation of size structure and carbon fluxes in a dynamic vegetation model of tropical forests (LM3PPA-TV). *Global Change Biology*, **2020**, 26, 4478-4494	11.4	10
292	Benchmarking and parameter sensitivity of physiological and vegetation dynamics using the Functionally Assembled Terrestrial Ecosystem Simulator (FATES) at Barro Colorado Island, Panama. *Biogeosciences*, **2020**, 17, 3017-3044	4.6	35
291	Revisiting nutrient cycling by litterfall—Insights from 15 years of litter manipulation in old-growth lowland tropical forest. *Advances in Ecological Research*, **2020**, 62, 173-223	4.6	11
290	Counting niches: Abundance-by-trait patterns reveal niche partitioning in a Neotropical forest. *Ecology*, **2020**, 101, e03019	4.6	9
289	Seed-to-seedling transitions exhibit distance-dependent mortality but no strong spacing effects in a Neotropical forest. *Ecology*, **2020**, 101, e02926	4.6	7
288	Testing for changes in biomass dynamics in large-scale forest datasets. *Global Change Biology*, **2020**, 26, 1485-1498	11.4	9
287	TRY plant trait database - enhanced coverage and open access. *Global Change Biology*, **2020**, 26, 119-188	11.4	399
286	The Smithsonian Tropical Research Institute: A century of ecological and applied research. *Biological Conservation*, **2020**, 252, 108858	6.2	1
285	Chemical novelty facilitates herbivore resistance and biological invasions in some introduced plant species. *Ecology and Evolution*, **2020**, 10, 8770-8792	2.8	3
284	The response of lianas to 20 yr of nutrient addition in a Panamanian forest. *Ecology*, **2020**, 101, e03190	4.6	6
283	The response of stomatal conductance to seasonal drought in tropical forests. *Global Change Biology*, **2020**, 26, 823-839	11.4	26
282	Bias in the detection of negative density dependence in plant communities. *Ecology Letters*, **2019**, 22, 1923-1939	10	47
281	The insect-focused classification of fruit syndromes in tropical rain forests: An inter-continental comparison. *Biotropica*, **2019**, 51, 39-49	2.3	2
280	Comparison of CO₂ and O₂ fluxes demonstrate retention of respired CO₂ in tree stems from a range of tree species. *Biogeosciences*, **2019**, 16, 177-191	4.6	12
279	Plant host identity and soil macronutrients explain little variation in sapling endophyte community composition: Is disturbance an alternative explanation?. *Journal of Ecology*, **2019**, 107, 1876-1889	6	8
278	Plant responses to nutrient addition experiments conducted in tropical forests. *Ecological Monographs*, **2019**, 89, e01382	9	38

277	Effects of neighborhood trait composition on tree survival differ between drought and postdrought periods. *Ecology*, **2019**, 100, e02766	4.6	6
276	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. *Nature Ecology and Evolution*, **2019**, 3, 928-934	12.3	70
275	Tropical tree height and crown allometries for the Barro Colorado Nature Monument, Panama: a comparison of alternative hierarchical models incorporating interspecific variation in relation to life history traits. *Biogeosciences*, **2019**, 16, 847-862	4.6	21
274	The Response of Litter-Associated Myxomycetes to Long-Term Nutrient Addition in a Lowland Tropical Forest. *Journal of Eukaryotic Microbiology*, **2019**, 66, 757-770	3.6	1
273	A phenology model for tropical species that flower multiple times each year. *Ecological Research*, **2019**, 34, 20-29	1.9	10
272	A highly resolved food web for insect seed predators in a species-rich tropical forest. *Ecology Letters*, **2019**, 22, 1638-1649	10	23
271	Signs of stabilisation and stable coexistence. *Ecology Letters*, **2019**, 22, 1957-1975	10	22
270	A comparison of inducible, ontogenetic, and interspecific sources of variation in the foliar metabolome in tropical trees. *PeerJ*, **2019**, 7, e7536	3.1	4
269	Performance of tropical forest seedlings under shade and drought: an interspecific trade-off in demographic responses. *Scientific Reports*, **2019**, 9, 18784	4.9	6
268	Growth responses to soil water potential indirectly shape local species distributions of tropical forest seedlings. *Journal of Ecology*, **2019**, 107, 860-874	6	5
267	Homoeostatic maintenance of nonstructural carbohydrates during the 2015-2016 El Niño drought across a tropical forest precipitation gradient. *Plant, Cell and Environment*, **2019**, 42, 1705-1714	8.4	16
266	Biogeochemistry and forest composition shape nesting patterns of a dominant canopy ant. *Oecologia*, **2019**, 189, 221-230	2.9	
265	Plant responses to fertilization experiments in lowland, species-rich, tropical forests. *Ecology*, **2018**, 99, 1129-1138	4.6	57
264	Resource acquisition and reproductive strategies of tropical forest in response to the El Niño-Southern Oscillation. *Nature Communications*, **2018**, 9, 913	17.4	52
263	A cross-continental comparison of assemblages of seed- and fruit-feeding insects in tropical rain forests: Faunal composition and rates of attack. *Journal of Biogeography*, **2018**, 45, 1395-1407	4.1	10
262	Community proteogenomics reveals the systemic impact of phosphorus availability on microbial functions in tropical soil. *Nature Ecology and Evolution*, **2018**, 2, 499-509	12.3	58
261	Solar irradiance as the proximate cue for flowering in a tropical moist forest. *Biotropica*, **2018**, 50, 374-383	2.3	17
260	Long-term increases in tropical flowering activity across growth forms in response to rising CO and climate change. *Global Change Biology*, **2018**, 24, 2105-2116	11.4	10

259	Decoupled dimensions of leaf economic and anti-herbivore defense strategies in a tropical canopy tree community. *Oecologia*, **2018**, 186, 765-782	2.9	15
258	A host–parasite model explains variation in liana infestation among co-occurring tree species. *Journal of Ecology*, **2018**, 106, 2435-2445	6	14
257	Filter-dispersal assembly of lowland Neotropical rainforests across the Andes. *Ecography*, **2018**, 41, 1763-1775	6.5	15
256	Functional traits of tropical trees and lianas explain spatial structure across multiple scales. *Journal of Ecology*, **2018**, 106, 795-806	6	14
255	Tree species vary widely in their tolerance for liana infestation: A case study of differential host response to generalist parasites. *Journal of Ecology*, **2018**, 106, 781-794	6	32
254	Seed polyphenols in a diverse tropical plant community. *Journal of Ecology*, **2018**, 106, 87-100	6	20
253	Species-specific flowering cues among general flowering Shorea species at the Pasoh Research Forest, Malaysia. *Journal of Ecology*, **2018**, 106, 586-598	6	32
252	Forest tree neighborhoods are structured more by negative conspecific density dependence than by interactions among closely related species. *Ecography*, **2018**, 41, 1114-1123	6.5	19
251	Inter-annual variability of fruit timing and quantity at Nouragues (French Guiana): insights from hierarchical Bayesian analyses. *Biotropica*, **2018**, 50, 431-441	2.3	14
250	Divergent drivers of leaf trait variation within species, among species, and among functional groups. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 5480-5485	11.5	59
249	Fertilization influences the nutrient acquisition strategy of a nomadic vine in a lowland tropical forest understory. *Plant and Soil*, **2018**, 431, 389-399	4.2	2
248	Responses of arbuscular mycorrhizal fungi to long-term inorganic and organic nutrient addition in a lowland tropical forest. *ISME Journal*, **2018**, 12, 2433-2445	11.9	27
247	Role of tree size in moist tropical forest carbon cycling and water deficit responses. *New Phytologist*, **2018**, 219, 947-958	9.8	47
246	Variation in hydroclimate sustains tropical forest biomass and promotes functional diversity. *New Phytologist*, **2018**, 219, 932-946	9.8	22
245	Partitioning mortality into growth-dependent and growth-independent hazards across 203 tropical tree species. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 12459-12464	11.5	10
244	Comparative foliar metabolomics of a tropical and a temperate forest community. *Ecology*, **2018**, 99, 2647-2653	4.6	21
243	Beyond the fast-slow continuum: demographic dimensions structuring a tropical tree community. *Ecology Letters*, **2018**, 21, 1075-1084	10	47
242	Topography and neighborhood crowding can interact to shape species growth and distribution in a diverse Amazonian forest. *Ecology*, **2018**, 99, 2272-2283	4.6	40

241	Decadal-scale litter manipulation alters the biochemical and physical character of tropical forest soil carbon. *Soil Biology and Biochemistry*, **2018**, 124, 199-209	7.5	21
240	A phosphorus threshold for mycoheterotrophic plants in tropical forests. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	16
239	Surviving in a Cosexual World: A Cost-Benefit Analysis of Dioecy in Tropical Trees. *American Naturalist*, **2017**, 189, 297-314	3.7	16
238	Biogeochemistry drives diversity in the prokaryotes, fungi, and invertebrates of a Panama forest. *Ecology*, **2017**, 98, 2019-2028	4.6	34
237	Growth and reproduction respond differently to climate in three Neotropical tree species. *Oecologia*, **2017**, 184, 531-541	2.9	19
236	Measuring the demographic impact of conspecific negative density dependence. *Oecologia*, **2017**, 184, 259-266	2.9	17
235	Responses of pre-dispersal seed predators to sequential flowering of Dipterocarps in Malaysia. *Biotropica*, **2017**, 49, 177-185	2.3	6
234	Sources of variation in foliar secondary chemistry in a tropical forest tree community. *Ecology*, **2017** , 98, 616-623	4.6	55
233	Linking wood traits to vital rates in tropical rainforest trees: Insights from comparing sapling and adult wood. *American Journal of Botany*, **2017**, 104, 1464-1473	2.7	17
232	Quantifying the role of wood density in explaining interspecific variation in growth of tropical trees. *Global Ecology and Biogeography*, **2017**, 26, 1078-1087	6.1	13
231	Temporal coexistence mechanisms contribute to the latitudinal gradient in forest diversity. *Nature*, **2017**, 550, 105-108	50.4	58
230	Variations of leaf longevity in tropical moist forests predicted by a trait-driven carbon optimality model. *Ecology Letters*, **2017**, 20, 1097-1106	10	34
229	Contrasting outcomes of species- and community-level analyses of the temporal consistency of functional composition. *Ecology*, **2017**, 98, 2273-2280	4.6	16
228	Pervasive interactions between foliar microbes and soil nutrients mediate leaf production and herbivore damage in a tropical forest. *New Phytologist*, **2017**, 216, 99-112	9.8	12
227	No evidence that boron influences tree species distributions in lowland tropical forests of Panama. *New Phytologist*, **2017**, 214, 108-119	9.8	2
226	Wood traits related to size and life history of trees in a Panamanian rainforest. *New Phytologist*, **2017**, 213, 170-180	9.8	50
225	A global method for calculating plant CSR ecological strategies applied across biomes world-wide. *Functional Ecology*, **2017**, 31, 444-457	5.6	191
224	Cascading effects of defaunation on the coexistence of two specialized insect seed predators. *Journal of Animal Ecology*, **2017**, 86, 136-146	4.7	6

223	Cross-boundary subsidy cascades from oil palm degrade distant tropical forests. *Nature Communications*, **2017**, 8, 2231	17.4	31
222	Long-term fertilization determines different metabolomic profiles and responses in saplings of three rainforest tree species with different adult canopy position. *PLoS ONE*, **2017**, 12, e0177030	3.7	7
221	Root and leaf traits reflect distinct resource acquisition strategies in tropical lianas and trees. *Oecologia*, **2016**, 180, 1037-47	2.9	36
220	Foliar bacteria and soil fertility mediate seedling performance: a new and cryptic dimension of niche differentiation. *Ecology*, **2016**, 97, 2998-3008	4.6	21
219	Lianas and soil nutrients predict fine-scale distribution of above-ground biomass in a tropical moist forest. *Journal of Ecology*, **2016**, 104, 1819-1828	6	22
218	Functional trait differences influence neighbourhood interactions in a hyperdiverse Amazonian forest. *Ecology Letters*, **2016**, 19, 1062-70	10	38
217	Species with greater seed mass are more tolerant of conspecific neighbours: a key driver of early survival and future abundances in a tropical forest. *Ecology Letters*, **2016**, 19, 1071-80	10	75
216	Interspecific associations in seed arrival and seedling recruitment in a Neotropical forest. *Ecology*, **2016**, 97, 2780-2790	4.6	16
215	Positive effects of neighborhood complementarity on tree growth in a Neotropical forest. *Ecology*, **2016**, 97, 776-85	4.6	54
214	Nutrient Availability in Tropical Rain Forests: The Paradigm of Phosphorus Limitation. *Tree Physiology*, **2016**, 261-273		45
213	Plant functional traits have globally consistent effects on competition. *Nature*, **2016**, 529, 204-7	50.4	453
212	The global spectrum of plant form and function. *Nature*, **2016**, 529, 167-71	50.4	1191
211	The mechanical defence advantage of small seeds. *Ecology Letters*, **2016**, 19, 987-91	10	28
210	Biogeochemical drivers of Neotropical ant activity and diversity. *Ecosphere*, **2016**, 7, e01597	3.1	10
209	Functional traits as predictors of vital rates across the life cycle of tropical trees. *Functional Ecology*, **2016**, 30, 168-180	5.6	110
208	Leaf cellulose density as the key determinant of inter- and intra-specific variation in leaf fracture toughness in a species-rich tropical forest. *Interface Focus*, **2016**, 6, 20150100	3.9	18
207	Fine-root responses to fertilization reveal multiple nutrient limitation in a lowland tropical forest. *Ecology*, **2015**, 96, 2137-46	4.6	95
206	Hunting alters seedling functional trait composition in a Neotropical forest. *Ecology*, **2015**, 96, 1923-32	4.6	32

205	Seasonal changes in soil organic matter after a decade of nutrient addition in a lowland tropical forest. *Biogeochemistry*, **2015**, 123, 221-235	3.8	36
204	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. *Journal of Ecology*, **2015**, 103, 978-989	6	99
203	Seed size and the evolution of leaf defences. *Journal of Ecology*, **2015**, 103, 1057-1068	6	7
202	Long-term changes in liana loads and tree dynamics in a Malaysian forest. *Ecology*, **2015**, 96, 2748-57	4.6	34
201	Oxygen isotope ratios of plant available phosphate in lowland tropical forest soils. *Soil Biology and Biochemistry*, **2015**, 88, 354-361	7.5	24
200	Phosphorus limitation, soil-borne pathogens and the coexistence of plant species in hyperdiverse forests and shrublands. *New Phytologist*, **2015**, 206, 507-21	9.8	141
199	CTFS-ForestGEO: a worldwide network monitoring forests in an era of global change. *Global Change Biology*, **2015**, 21, 528-49	11.4	368
198	BHPMF – a hierarchical Bayesian approach to gap-filling and trait prediction for macroecology and functional biogeography. *Global Ecology and Biogeography*, **2015**, 24, 1510-1521	6.1	83
197	Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. *Journal of Ecology*, **2015**, 103, 1276-1290	6	38
196	Relating belowground microbial composition to the taxonomic, phylogenetic, and functional trait distributions of trees in a tropical forest. *Ecology Letters*, **2015**, 18, 1397-405	10	121
195	Operational Tree Species Mapping in a Diverse Tropical Forest with Airborne Imaging Spectroscopy. *PLoS ONE*, **2015**, 10, e0118403	3.7	83
194	Mesoscale assessment of changes in tropical tree species richness across a bioclimatic gradient in Panama using airborne imaging spectroscopy. *Remote Sensing of Environment*, **2015**, 167, 111-120	13.2	16
193	Lianas always outperform tree seedlings regardless of soil nutrients: results from a long-term fertilization experiment. *Ecology*, **2015**, 96, 1866-76	4.6	31
192	Stable nitrogen isotope patterns of trees and soils altered by long-term nitrogen and phosphorus addition to a lowland tropical rainforest. *Biogeochemistry*, **2014**, 119, 293-306	3.8	37
191	Radial variation in wood specific gravity of tropical tree species differing in growth-mortality strategies. *American Journal of Botany*, **2014**, 101, 803-11	2.7	19
190	Species-specific responses of foliar nutrients to long-term nitrogen and phosphorus additions in a lowland tropical forest. *Journal of Ecology*, **2014**, 102, 36-44	6	94
189	Stem, root, and older leaf N:P ratios are more responsive indicators of soil nutrient availability than new foliage. *Ecology*, **2014**, 95, 2062-8	4.6	92
188	Negative density dependence of seed dispersal and seedling recruitment in a neotropical palm. *Ecology Letters*, **2014**, 17, 1111-20	10	64

187	Linking imaging spectroscopy and LiDAR with floristic composition and forest structure in Panama. *Remote Sensing of Environment*, **2014**, 154, 358-367	13.2	18
186	Comparative evolutionary diversity and phylogenetic structure across multiple forest dynamics plots: a mega-phylogeny approach. *Frontiers in Genetics*, **2014**, 5, 358	4.5	62
185	Relationships between phyllosphere bacterial communities and plant functional traits in a neotropical forest. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13715-20	11.5	302
184	Does relatedness matter? Phylogenetic density-dependent survival of seedlings in a tropical forest. *Ecology*, **2014**, 95, 940-51	4.6	61
183	The response of microbial biomass and hydrolytic enzymes to a decade of nitrogen, phosphorus, and potassium addition in a lowland tropical rain forest. *Biogeochemistry*, **2014**, 117, 115-130	3.8	142
182	Seed arrival in tropical forest tree fall gaps. *Ecology*, **2013**, 94, 1552-62	4.6	27
181	Clouds and temperature drive dynamic changes in tropical flower production. *Nature Climate Change*, **2013**, 3, 838-842	21.4	46
180	Tropical forest responses to increasing atmospheric CO: current knowledge and opportunities for future research. *Functional Plant Biology*, **2013**, 40, 531-551	2.7	97
179	The timing of abscission affects dispersal distance in a wind-dispersed tropical tree. *Functional Ecology*, **2013**, 27, 208-218	5.6	28
178	The carbon sink in intact tropical forests. *Global Change Biology*, **2013**, 19, 337-9	11.4	39
177	Strong radial variation in wood density follows a uniform pattern in two neotropical rain forests. *Functional Ecology*, **2013**, 27, 684-692	5.6	39
176	Foliar respiration and its temperature sensitivity in trees and lianas: in situ measurements in the upper canopy of a tropical forest. *Tree Physiology*, **2013**, 33, 505-15	4.2	40
175	Demographic consequences of chromatic leaf defence in tropical tree communities: do red young leaves increase growth and survival?. *Annals of Botany*, **2013**, 112, 677-84	4.1	21
174	Leaf life span spectrum of tropical woody seedlings: effects of light and ontogeny and consequences for survival. *Annals of Botany*, **2013**, 112, 685-99	4.1	37
173	Seasonal Changes and Treatment Effects on Soil Inorganic Nutrients Following a Decade of Fertilizer Addition in a Lowland Tropical Forest. *Soil Science Society of America Journal*, **2013**, 77, 1357-1369	2.5	46
172	Soil phosphorus responses to chronic nutrient fertilisation and seasonal drought in a humid lowland forest, Panama. *Soil Research*, **2013**, 51, 215	1.8	21
171	Trait evolution and the coexistence of a species swarm in the tropical forest understorey. *Journal of Ecology*, **2012**, 100, 1183-1193	6	37
170	The biogeography and filtering of woody plant functional diversity in North and South America. *Global Ecology and Biogeography*, **2012**, 21, 798-808	6.1	179

169	Meta-analysis of the effects of human disturbance on seed dispersal by animals. *Conservation Biology*, **2012**, 26, 1072-81	6	174
168	How cellulose-based leaf toughness and lamina density contribute to long leaf lifespans of shade-tolerant species. *New Phytologist*, **2012**, 195, 640-652	9.8	81
167	Coexistence in tropical forests through asynchronous variation in annual seed production. *Ecology*, **2012**, 93, 2073-84	4.6	48
166	Averting biodiversity collapse in tropical forest protected areas. *Nature*, **2012**, 489, 290-4	50.4	686
165	Functional traits explain light and size response of growth rates in tropical tree species. *Ecology*, **2012**, 93, 2626-36	4.6	110
164	Temporal turnover in the composition of tropical tree communities: functional determinism and phylogenetic stochasticity. *Ecology*, **2012**, 93, 490-9	4.6	135
163	Covariation in plant functional traits and soil fertility within two species-rich forests. *PLoS ONE*, **2012**, 7, e34767	3.7	34
162	Variable Responses of Lowland Tropical Forest Nutrient Status to Fertilization and Litter Manipulation. *Ecosystems*, **2012**, 15, 387-400	3.9	79
161	Tropical tree seedling growth responses to nitrogen, phosphorus and potassium addition. *Journal of Ecology*, **2012**, 100, 309-316	6	166
160	Phylogenetic and functional alpha and beta diversity in temperate and tropical tree communities. *Ecology*, **2012**, 93, S112-S125	4.6	152
159	Community and ecosystem ramifications of increasing lianas in neotropical forests. *Plant Signaling and Behavior*, **2011**, 6, 598-600	2.5	33
158	What makes a leaf tough? Patterns of correlated evolution between leaf toughness traits and demographic rates among 197 shade-tolerant woody species in a neotropical forest. *American Naturalist*, **2011**, 177, 800-11	3.7	65
157	Estimation of the distribution of Tabebuia guayacan (Bignoniaceae) using high-resolution remote sensing imagery. *Sensors*, **2011**, 11, 3831-51	3.8	30
156	Potassium, phosphorus, or nitrogen limit root allocation, tree growth, or litter production in a lowland tropical forest. *Ecology*, **2011**, 92, 1616-25	4.6	379
155	Frugivores and seed dispersal (1985–2010); the seeds dispersed, established and matured. *Acta Oecologica*, **2011**, 37, 517-520	1.7	18
154	Abundance of insect seed predators and intensity of seed predation on Shorea (Dipterocarpaceae) in two consecutive masting events in Peninsular Malaysia. *Journal of Tropical Ecology*, **2011**, 27, 651-655	1.3	8
153	Global patterns of leaf mechanical properties. *Ecology Letters*, **2011**, 14, 301-12	10	314
152	Tri-trophic interactions affect density dependence of seed fate in a tropical forest palm. *Ecology Letters*, **2011**, 14, 1093-100	10	42

151	Soil fertility and fine root dynamics in response to 4 years of nutrient (N, P, K) fertilization in a lowland tropical moist forest, Panama. *Austral Ecology*, **2011**, 36, 433-445	1.5	81
150	TRY – a global database of plant traits. *Global Change Biology*, **2011**, 17, 2905-2935	11.4	1623
149	Long-term change in the nitrogen cycle of tropical forests. *Science*, **2011**, 334, 664-6	33.3	203
148	Taxonomy and remote sensing of leaf mass per area (LMA) in humid tropical forests **2011**, 21, 85-98		117
147	The impact of lianas on 10 years of tree growth and mortality on Barro Colorado Island, Panama. *Journal of Ecology*, **2010**, 98, 879-887	6	175
146	Seed predation and defleshing in the agouti-dispersed palm Astrocaryum standleyanum. *Journal of Tropical Ecology*, **2010**, 26, 473-480	1.3	31
145	Impact of elevated N input on soil N cycling and losses in old-growth lowland and montane forests in Panama. *Ecology*, **2010**, 91, 1715-29	4.6	126
144	Bushmeat hunting and climate: an indirect link. *Science*, **2010**, 327, 30	33.3	15
143	Functional traits and the growth-mortality trade-off in tropical trees. *Ecology*, **2010**, 91, 3664-74	4.6	604
142	The future of tropical forests. *Annals of the New York Academy of Sciences*, **2010**, 1195, 1-27	6.5	132
141	Spatial heterogeneity of soil chemical properties in a lowland tropical moist forest, Panama. *Soil Research*, **2009**, 47, 674	1.8	68
140	Immediate and long-term nitrogen oxide emissions from tropical forest soils exposed to elevated nitrogen input. *Global Change Biology*, **2009**, 15, 2049-2066	11.4	97
139	Molybdenum limitation of asymbiotic nitrogen fixation in tropical forest soils. *Nature Geoscience*, **2009**, 2, 42-45	18.3	237
138	Evaluating the success of conservation actions in safeguarding tropical forest biodiversity. *Conservation Biology*, **2009**, 23, 1448-57	6	74
137	The future of tropical species on a warmer planet. *Conservation Biology*, **2009**, 23, 1418-26	6	152
136	New insights into the tropical biodiversity crisis. Introduction. *Conservation Biology*, **2009**, 23, 1382-5	6	15
135	Differences in leaf traits, leaf internal structure, and spectral reflectance between two communities of lianas and trees: Implications for remote sensing in tropical environments. *Remote Sensing of Environment*, **2009**, 113, 2076-2088	13.2	97
134	The future of tropical species in secondary forests: A quantitative review. *Biological Conservation*, **2009**, 142, 2833-2843	6.2	212

133	Interspecific variation in primary seed dispersal in a tropical forest. *Journal of Ecology*, **2008**, 96, 653-6676		251
132	Understanding strategies for seed dispersal by wind under contrasting atmospheric conditions. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 19084-9	11.5	84
131	Are functional traits good predictors of demographic rates? Evidence from five neotropical forests. *Ecology*, **2008**, 89, 1908-20	4.6	444
130	Large-scale spatial variation in palm fruit abundance across a tropical moist forest estimated from high-resolution aerial photographs. *Ecography*, **2008**, 31, 33-42	6.5	19
129	Temporal and spatial variability in seedling dynamics: a cross-site comparison in four lowland tropical forests. *Journal of Tropical Ecology*, **2008**, 24, 9-18	1.3	29
128	Seedling growth responses to water and nutrient augmentation in the understorey of a lowland moist forest, Panama. *Journal of Tropical Ecology*, **2008**, 24, 19-26	1.3	43
127	Historical, Demographic, and Economic Correlates of Land-Use Change in the Republic of Panama. *Ecology and Society*, **2008**, 13,	4.1	40
126	Multiple nutrients limit litterfall and decomposition in a tropical forest. *Ecology Letters*, **2008**, 11, 35-43	10	277
125	Seedling interactions in a tropical forest in Panama. *Oecologia*, **2008**, 155, 143-50	2.9	57
124	Relationships among ecologically important dimensions of plant trait variation in seven neotropical forests. *Annals of Botany*, **2007**, 99, 1003-15	4.1	265
123	Episodic death across species of desert shrubs. *Ecology*, **2007**, 88, 32-6	4.6	96
122	Flowering and fruiting phenologies of seasonal and aseasonal neotropical forests: the role of annual changes in irradiance. *Journal of Tropical Ecology*, **2007**, 23, 231-251	1.3	125
121	Poverty and corruption compromise tropical forest reserves **2007**, 17, 1259-66		70
120	Reproductive ecology of 21 coexisting Psychotria species (Rubiaceae): when is heterostyly lost?. *Biological Journal of the Linnean Society*, **2007**, 93, 125-134	1.9	47
119	The effect of climatic gradients, topographic variation and species traits on the beta diversity of rain forest trees. *Global Ecology and Biogeography*, **2007**, 16, 510-518	6.1	58
118	Leaf functional traits of tropical forest plants in relation to growth form. *Functional Ecology*, **2007**, 21, 19	5.6	140
117	Seed predation during general flowering events of varying magnitude in a Malaysian rain forest. *Journal of Ecology*, **2007**, 95, 818-827	6	55
116	Colonization Strategies of Two Liana Species in a Tropical Dry Forest Canopy. *Biotropica*, **2007**, 39, 393-399	2.3	17

115	The Bushmeat Harvest Alters Seedling Banks by Favoring Lianas, Large Seeds, and Seeds Dispersed by Bats, Birds, and Wind. *Biotropica*, **2007**, 39, 363-371	2.3	157
114	Hunting and Plant Community Dynamics in Tropical Forests: A Synthesis and Future Directions. *Biotropica*, **2007**, 39, 385-392	2.3	120
113	The Plight of Large Animals in Tropical Forests and the Consequences for Plant Regeneration. *Biotropica*, **2007**, 39, 289-291	2.3	120
112	Decelerating growth in tropical forest trees. *Ecology Letters*, **2007**, 10, 461-9	10	227
111	Variability in leaf optical properties of Mesoamerican trees and the potential for species classification. *American Journal of Botany*, **2006**, 93, 517-30	2.7	133
110	Life history trade-offs in tropical trees and lianas. *Ecology*, **2006**, 87, 1281-8	4.6	124
109	Response to Lewis et al.: The uncertain response of tropical forests to global change. *Trends in Ecology and Evolution*, **2006**, 21, 174-175	10.9	9
108	The contribution of interspecific variation in maximum tree height to tropical and temperate diversity. *Journal of Tropical Ecology*, **2006**, 22, 11-24	1.3	71
107	The relative roles of environment, history and local dispersal in controlling the distributions of common tree and shrub species in a tropical forest landscape, Panama. *Journal of Tropical Ecology*, **2006**, 22, 575-586	1.3	14
106	The Future of Tropical Forest Species1. *Biotropica*, **2006**, 38, 287-301	2.3	304
105	The Uncertain Future of Tropical Forest Species1. *Biotropica*, **2006**, 38, 443-445	2.3	76
104	Seasonal, El Niño and longer term changes in flower and seed production in a moist tropical forest. *Ecology Letters*, **2006**, 9, 35-44	10	169
103	Tropical forests in a changing environment. *Trends in Ecology and Evolution*, **2005**, 20, 553-60	10.9	507
102	Do Frugivore Population Fluctuations Reflect Fruit Production? Evidence from Panama **2005**, 5-35		22
101	Variation in crown light utilization characteristics among tropical canopy trees. *Annals of Botany*, **2005**, 95, 535-47	4.1	113
100	Reproductive size thresholds in tropical trees: variation among individuals, species and forests. *Journal of Tropical Ecology*, **2005**, 21, 307-315	1.3	126
99	Seed limitation in a Panamanian forest. *Journal of Ecology*, **2005**, 93, 853-862	6	68
98	Diverse Optical and Photosynthetic Properties in a Neotropical Dry Forest during the Dry Season: Implications for Remote Estimation of Photosynthesis1. *Biotropica*, **2005**, 37, 547-560	2.3	31

97	2005 Honorary Fellows. *Biotropica*, **2005**, 37, 710-710	2.3	
96	Non-structural carbohydrate pools in a tropical forest. *Oecologia*, **2005**, 143, 11-24	2.9	260
95	ANNUAL AND SPATIAL VARIATION IN SEEDFALL AND SEEDLING RECRUITMENT IN A NEOTROPICAL FOREST. *Ecology*, **2005**, 86, 848-860	4.6	161
94	Tropical mountain cradles of dry forest diversity. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 10757-8	11.5	17
93	Seasonal drought and dry-season irrigation influence leaf-litter nutrients and soil enzymes in a moist, lowland forest in Panama. *Austral Ecology*, **2004**, 29, 177-188	1.5	65
92	Why Do Some Tropical Forests Have So Many Species of Trees?. *Biotropica*, **2004**, 36, 447-473	2.3	149
91	A functional analysis of the crown architecture of tropical forest Psychotria species: do species vary in light capture efficiency and consequently in carbon gain and growth?. *Oecologia*, **2004**, 139, 163-77	2.9	71
90	Coordinated changes in photosynthesis, water relations and leaf nutritional traits of canopy trees along a precipitation gradient in lowland tropical forest. *Oecologia*, **2004**, 139, 495-502	2.9	125
89	Why Do Some Tropical Forests Have So Many Species of Trees?1. *Biotropica*, **2004**, 36, 447	2.3	139
88	ARE LIANAS INCREASING IN IMPORTANCE IN TROPICAL FORESTS? A 17-YEAR RECORD FROM PANAMA. *Ecology*, **2004**, 85, 484-489	4.6	188
87	ECOLOGICAL DETERMINISM IN PLANT COMMUNITY STRUCTURE ACROSS A TROPICAL FOREST LANDSCAPE. *Ecology*, **2004**, 85, 2526-2538	4.6	105
86	General herbivore outbreak following an El Niño-related drought in a lowland Panamanian forest. *Journal of Tropical Ecology*, **2004**, 20, 625-633	1.3	71
85	Mechanics and chemistry of rain forest leaves: canopy and understorey compared. *Journal of Experimental Botany*, **2003**, 54, 2007-14	7	56
84	Cloud cover limits net CO2 uptake and growth of a rainforest tree during tropical rainy seasons. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 572-6	11.5	309
83	GAP-DEPENDENT RECRUITMENT, REALIZED VITAL RATES, AND SIZE DISTRIBUTIONS OF TROPICAL TREES. *Ecology*, **2003**, 84, 3174-3185	4.6	256
82	Biodiversity meets the atmosphere: a global view of forest canopies. *Science*, **2003**, 301, 183-6	33.3	234
81	The myriad consequences of hunting for vertebrates and plants in tropical forests. *Perspectives in Plant Ecology, Evolution and Systematics*, **2003**, 6, 73-86	3	167
80	Seasonal patterns of carbohydrate storage in four tropical tree species. *Oecologia*, **2002**, 131, 333-342	2.9	94

79	Role of dispersal in the recruitment limitation of neotropical pioneer species. *Journal of Ecology*, **2002**, 90, 714-727	6	218
78	Plant diversity in tropical forests: a review of mechanisms of species coexistence. *Oecologia*, **2002**, 130, 1-14	2.9	968
77	An ecosystem report on the Panama Canal: monitoring the status of the forest communities and the watershed. *Environmental Monitoring and Assessment*, **2002**, 80, 65-95	3.1	52
76	Survival and ecophysiology of tree seedlings during El Niño drought in a tropical moist forest in Panama. *Journal of Tropical Ecology*, **2002**, 18, 569-579	1.3	30
75	Decline of photosynthetic capacity with leaf age and position in two tropical pioneer tree species. *American Journal of Botany*, **2002**, 89, 1925-32	2.7	121
74	Ecology. Beta diversity in tropical forests. *Science*, **2002**, 295, 636-7	33.3	131
73	CONSEQUENCES OF VARIABLE REPRODUCTION FOR SEEDLING RECRUITMENT IN THREE NEOTROPICAL TREE SPECIES. *Ecology*, **2002**, 83, 2315-2327	4.6	38
72	Charge characteristics of soil in a lowland tropical moist forest in Panama in response to dry-season irrigation. *Soil Research*, **2002**, 40, 269	1.8	10
71	Assessing recruitment limitation: concepts, methods and case-studies from a tropical forest. **2002**, 35-53		28
70	The Effects of Neighbors on the Demography of a Dominant Desert Shrub (Ambrosia dumosa). *Ecological Monographs*, **2001**, 71, 491	9	9
69	Intrinsic water-use efficiency and heterotrophic investment in tropical leaf growth of two Neotropical pioneer tree species as estimated from δ13C values. *New Phytologist*, **2001**, 152, 267-281	9.8	49
68	Drought and Irrigation Effects on Fine Root Dynamics in a Tropical Moist Forest, Panama1. *Biotropica*, **2001**, 33, 421-434	2.3	78
67	Poachers and Forest Fragmentation Alter Seed Dispersal, Seed Survival, and Seedling Recruitment in the Palm Attalea butyraceae, with Implications for Tropical Tree Diversity1. *Biotropica*, **2001**, 33, 583-595	2.3	159
66	Drought and Irrigation Effects on Fine Root Dynamics in a Tropical Moist Forest, Panama1. *Biotropica*, **2001**, 33, 421	2.3	1
65	Poachers and Forest Fragmentation Alter Seed Dispersal, Seed Survival, and Seedling Recruitment in the Palm Attalea butyraceae, with Implications for Tropical Tree Diversity1. *Biotropica*, **2001**, 33, 583	2.3	3
64	Influences of heterotrophic and autotrophic resource use on carbon and hydrogen isotopic compositions of tropical tree leaves. *Isotopes in Environmental and Health Studies*, **2001**, 37, 133-60	1.5	11
63	THE EFFECTS OF NEIGHBORS ON THE DEMOGRAPHY OF A DOMINANT DESERT SHRUB (AMBROSIA DUMOSA). *Ecological Monographs*, **2001**, 71, 491-509	9	54
62	The Status of the Panama Canal Watershed and Its Biodiversity at the Beginning of the 21st Century. *BioScience*, **2001**, 51, 389	5.7	77

61	Poachers Alter Mammal Abundance, Seed Dispersal, and Seed Predation in a Neotropical Forest. *Conservation Biology*, **2000**, 14, 227-239	6	230
60	Pervasive density-dependent recruitment enhances seedling diversity in a tropical forest. *Nature*, **2000**, 404, 493-5	50.4	750
59	PLASTIC PHENOTYPIC RESPONSE TO LIGHT OF 16 CONGENERIC SHRUBS FROM A PANAMANIAN RAINFOREST. *Ecology*, **2000**, 81, 1925-1936	4.6	446
58	The El Nino Southern Oscillation, Variable Fruit Production, and Famine in a Tropical Forest. *Ecology* , **1999**, 80, 1632	4.6	30
57	Effects of irrigation on litterfall, fine root biomass and production in a semideciduous lowland forest in Panama. *Plant and Soil*, **1999**, 211, 207-213	4.2	38
56	Partitioning of soil water among canopy trees in a seasonally dry tropical forest. *Oecologia*, **1999**, 121, 293-301	2.9	214
55	THE EL NIÑO SOUTHERN OSCILLATION, VARIABLE FRUIT PRODUCTION, AND FAMINE IN A TROPICAL FOREST. *Ecology*, **1999**, 80, 1632-1647	4.6	200
54	Light-Gap disturbances, recruitment limitation, and tree diversity in a neotropical forest. *Science*, **1999**, 283, 554-7	33.3	1101
53	Interspecific synchrony and asynchrony in the fruiting phenologies of congeneric bird-dispersed plants in Panama. *Journal of Tropical Ecology*, **1999**, 15, 213-227	1.3	81
52	Spatial patterns of mortality in a Colorado desert plant community. *Plant Ecology*, **1998**, 136, 41-51	1.7	39
51	Decline of photosynthetic capacity with leaf age in relation to leaf longevities for five tropical canopy tree species. *American Journal of Botany*, **1997**, 84, 702-708	2.7	165
50	DOES MAMMAL COMMUNITY COMPOSITION CONTROL RECRUITMENT IN NEOTROPICAL FORESTS? EVIDENCE FROM PANAMA. *Ecology*, **1997**, 78, 941-946	4.6	185
49	Craning for a better view: the canopy crane network. *Trends in Ecology and Evolution*, **1997**, 12, 418-20	10.9	14
48	Seasonal leaf phenotypes in the canopy of a tropical dry forest: photosynthetic characteristics and associated traits. *Oecologia*, **1997**, 109, 490-498	2.9	73
47	Influence of Seasonal Drought on the Carbon Balance of Tropical Forest Plants **1996**, 187-216		11
46	Phenological Responses to Seasonality in Tropical Forest Plants **1996**, 440-460		66
45	Plant physiological ecology of tropical forest canopies. *Trends in Ecology and Evolution*, **1996**, 11, 408-12	10.9	52
44	Temporal patterns of soil nutrients in a Panamanian moist forest revealed by ion-exchange resin and experimental irrigation. *Plant and Soil*, **1996**, 183, 117-129	4.2	34

43	Plant Species Diversity and Ecosystem Functioning in Tropical Forests. *Ecological Studies*, **1996**, 11-31	1.1	5
42	Dendroecological Analysis of Cordia Alliodora, Pseudobombax Septenatum and Annona Spraguei in Central Panama. *IAWA Journal*, **1995**, 16, 411-424	2.3	39
41	Effect of Seasonal Water Availability on Phenology and the Annual Shoot Carbohydrate Cycle of Tropical Forest Shrubs. *Functional Ecology*, **1995**, 9, 518	5.6	104
40	Tropical Forest Litter Dynamics and Dry Season Irrigation on Barro Colorado Island, Panama. *Ecology*, **1995**, 76, 1971-1979	4.6	114
39	Phylogenetic Patterns among Tropical Flowering Phenologies. *Journal of Ecology*, **1995**, 83, 937	6	136
38	The effects of the rainy season and irrigation on soil water and oxygen in a seasonal forest in Panama. *Journal of Tropical Ecology*, **1995**, 11, 497-515	1.3	18
37	Effects of Mammalian Herbivores on Plant Recruitment in Two Neotropical Forests. *Ecology*, **1994**, 75, 1829-1833	4.6	82
36	Are Large Predators Keystone Species in Neotropical Forests? The Evidence from Barro Colorado Island. *Oikos*, **1994**, 71, 279	4	91
35	Tropical Forest Litter Decomposition under Seasonal Drought: Nutrient Release, Fungi and Bacteria. *Oikos*, **1994**, 70, 183	4	96
34	Light and the Phenology of Tropical Trees. *American Naturalist*, **1994**, 143, 192-199	3.7	402
33	The Phenology of Tropical Forests: Adaptive Significance and Consequences for Primary Consumers. *Annual Review of Ecology, Evolution, and Systematics*, **1993**, 24, 353-377		679
32	Soil nutrient dynamics in response to irrigation of a Panamanian tropical moist forest. *Biogeochemistry*, **1993**, 19, 1	3.8	22
31	Comparative physiology and demography of three Neotropical forest shrubs: alternative shade-adaptive character syndromes. *Oecologia*, **1993**, 96, 526-536	2.9	54
30	The decline of tree diversity on newly isolated tropical islands: A test of a null hypothesis and some implications. *Evolutionary Ecology*, **1993**, 7, 76-102	1.8	169
29	Contrasting leaf phenotypes control seasonal variation in water loss in a tropical forest shrub. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 9084-8	11.5	29
28	Seasonal drought, soil fertility and the species density of tropical forest plant communities. *Trends in Ecology and Evolution*, **1992**, 7, 260-3	10.9	120
27	Drought acclimation among tropical forest shrubs (Psychotria, Rubiaceae). *Oecologia*, **1992**, 89, 457-463	2.9	45
26	Survival and growth of Virola surinamensis yearlings: Water augmentation in gap and understory. *Oecologia*, **1991**, 86, 292-297	2.9	75

25	Comparative life history and physiology of two understory Neotropical herbs. *Oecologia*, **1991**, 88, 263-273	2.9	44
24	Drought Accilmation of an Understory Shrub (Psychotria limonensis; Rubiaceae) in a Seasonally Dry Tropical Forest in Panama. *American Journal of Botany*, **1991**, 78, 579	2.7	14
23	Seasonal Drought and the Phenology of Understory Shrubs in a Tropical Moist Forest. *Ecology*, **1991** , 72, 1643-1657	4.6	97
22	DROUGHT ACCLIMATION OF AN UNDERSTORY SHRUB (PSYCHOTRIA LIMONENSIS; RUBIACEAE) IN A SEASONALLY DRY TROPICAL FOREST IN PANAMA. *American Journal of Botany*, **1991**, 78, 579-587	2.7	12
21	The Spatial Pattern and Reproductive Consequences of Outbreak Defoliation in Quararibea Asterolepis, A Tropical Tree. *Journal of Ecology*, **1990**, 78, 579	6	40
20	Seasonal Drought and Leaf Fall in a Tropical Forest. *Ecology*, **1990**, 71, 1165-1175	4.6	160
19	Cumulative Satiation of a Seed Predator over the Fruiting Season of Its Host. *Oikos*, **1990**, 58, 272	4	31
18	Oxygen isotope ratio stratification in a tropical moist forest. *Oecologia*, **1989**, 81, 51-56	2.9	68
17	Ecological Interpretation of Leaf Carbon Isotope Ratios: Influence of Respired Carbon Dioxide. *Ecology*, **1989**, 70, 1317-1324	4.6	117
16	Patterns of Abundance and the Form of the Species-Area Relation. *American Naturalist*, **1988**, 131, 401-411	3.7	8
15	Pattern and mortality in Colorado Desert plants. *Oecologia*, **1987**, 73, 543-552	2.9	27
14	Testing the Dispersion of Juveniles Relative to Adults: A New Analytic Method. *Ecology*, **1986**, 67, 952-957	4.6	39
13	How Isolation Affects Rates of Turnover of Species on Islands. *Oikos*, **1985**, 44, 331	4	32
12	Birds Form Tightly Structured Communities in the Pearl Archipelago, Panama. *Ornithological Monographs*, **1985**, 798-812		1
11	Mortality Rates of Insular Anolis Lizards: A Systematic Effect of Island Area?. *American Naturalist*, **1984**, 123, 134-142	3.7	11
10	Stochastic Extinction and Reserve Size: A Focal Species Approach. *Oikos*, **1983**, 41, 466	4	56
9	The Dispersion of Eggs by a Bruchid Beetle among Scheelea Palm Seeds and the Effect of Distance to the Parent Palm. *Ecology*, **1983**, 64, 1016-1021	4.6	70
8	Competition, differential mortality, and their effect on the spatial pattern of a desert perennial, Eriogonum inflatum Torr and Frem (Polygonaceae). *Oecologia*, **1982**, 54, 266-269	2.9	14

7	Island Biogeographic Distributions: Testing for Random, Regular, and Aggregated Patterns of Species Occurrence. *American Naturalist*, **1982**, 119, 345-357	3.7	27
6	Intra-Archipelago Vertebrate Distributions: The Slope of the Species-Area Relation. *American Naturalist*, **1981**, 118, 726-748	3.7	72
5	Extinction-Mediated Competition: The Anolis Lizards and Insectivorous Birds of the West Indies. *American Naturalist*, **1981**, 117, 181-192	3.7	28
4	Density compensation in island avifaunas. *Oecologia*, **1980**, 45, 385-389	2.9	71
3	Competition Between Insectivorous Lizards and Birds in Central Panama. *American Zoologist*, **1979**, 19, 1145-1156		33
2	Plastic Deformation of Single Metallic Crystals. *Nature*, **1926**, 117, 891-892	50.4	
1	Comparative metabolomics of forest communities: Species differences in foliar chemistry are greater in the tropics		1