

# Patrick Meir

## 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.

195 papers	17,291 citations	69 h-index	128 g-index
205 ext. papers	20,721 ext. citations	8 avg, IF	6.15 L-index

#	Paper	IF	Citations
195	Thirty-eight years of CO <sub>2</sub> fertilization has outpaced growing aridity to drive greening of Australian woody ecosystems. <i>Biogeosciences</i> , <b>2022</b> , 19, 491-515	4.6	0
194	Tropical ant community responses to experimental soil warming.. <i>Biology Letters</i> , <b>2022</b> , 18, 20210518	3.6	2
193	Forest system hydraulic conductance: partitioning tree and soil components. <i>New Phytologist</i> , <b>2021</b> , 229, 1363-1374	9.8	1
192	No evidence of positive feedback between litter deposition and seedling growth rate in Neotropical savannas. <i>Plant and Soil</i> , <b>2021</b> , 469, 305	4.2	1
191	Predicting tropical tree mortality with leaf spectroscopy. <i>Biotropica</i> , <b>2021</b> , 53, 581-595	2.3	1
190	Effects of natural and experimental drought on soil fungi and biogeochemistry in an Amazon rain forest. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2, 1-14	6.1	6
189	Changes in leaf functional traits with leaf age: When do leaves decrease their photosynthetic capacity in Amazonian trees?. <i>Tree Physiology</i> , <b>2021</b> , 41, 1082-1094	4.2	3
188	Fine root dynamics across pantropical rainforest ecosystems. <i>Global Change Biology</i> , <b>2021</b> , 27, 3657-3680	11.4	2
187	Root traits explain plant species distributions along climatic gradients yet challenge the nature of ecological trade-offs. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 1123-1134	12.3	11
186	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , <b>2021</b> , 13, 2607-2649	10.5	13
185	Annual to decadal temperature adaptation of the soil bacterial community after translocation across an elevation gradient in the Andes. <i>Soil Biology and Biochemistry</i> , <b>2021</b> , 158, 108217	7.5	2
184	Plant traits controlling growth change in response to a drier climate. <i>New Phytologist</i> , <b>2021</b> , 229, 1363-1374	9.8	3
183	Does economic optimisation explain LAI and leaf trait distributions across an Amazon soil moisture gradient?. <i>Global Change Biology</i> , <b>2021</b> , 27, 587-605	11.4	2
182	The response of carbon assimilation and storage to long-term drought in tropical trees is dependent on light availability. <i>Functional Ecology</i> , <b>2021</b> , 35, 43-53	5.6	4
181	Canopy wetness in the Eastern Amazon. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 297, 108250	5.8	6
180	Evolutionary heritage shapes tree distributions along an Amazon-to-Andes elevation gradient. <i>Biotropica</i> , <b>2021</b> , 53, 38-50	2.3	9
179	Rapid responses of root traits and productivity to phosphorus and cation additions in a tropical lowland forest in Amazonia. <i>New Phytologist</i> , <b>2021</b> , 230, 116-128	9.8	14

178	Acclimation of leaf respiration temperature responses across thermally contrasting biomes. <i>New Phytologist</i> , <b>2021</b> , 229, 1312-1325	9.8	10
177	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. <i>Biological Conservation</i> , <b>2021</b> , 253, 108889	6.2	12
176	New insights into large tropical tree mass and structure from direct harvest and terrestrial lidar. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 201458	3.3	5
175	Detecting forest response to droughts with global observations of vegetation water content. <i>Global Change Biology</i> , <b>2021</b> , 27, 6005-6024	11.4	9
174	Identifying areas at risk of drought-induced tree mortality across South-Eastern Australia. <i>Global Change Biology</i> , <b>2020</b> , 26, 5716-5733	11.4	45
173	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , <b>2020</b> , 26, 3336-3355	11.4	30
172	Amazonia trees have limited capacity to acclimate plant hydraulic properties in response to long-term drought. <i>Global Change Biology</i> , <b>2020</b> , 26, 3569-3584	11.4	22
171	The impact of a simple representation of non-structural carbohydrates on the simulated response of tropical forests to drought. <i>Biogeosciences</i> , <b>2020</b> , 17, 3589-3612	4.6	6
170	Equivalence of foliar water uptake and stomatal conductance?. <i>Plant, Cell and Environment</i> , <b>2020</b> , 43, 524-528	8.4	12
169	Stomatal optimization based on xylem hydraulics (SOX) improves land surface model simulation of vegetation responses to climate. <i>New Phytologist</i> , <b>2020</b> , 226, 1622-1637	9.8	48
168	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , <b>2020</b> , 26, 119-188	11.4	399
167	Respiration in wood: integrating across tissues, functions and scales. <i>New Phytologist</i> , <b>2020</b> , 225, 1824-1837	11.4	1
166	Small tropical forest trees have a greater capacity to adjust carbon metabolism to long-term drought than large canopy trees. <i>Plant, Cell and Environment</i> , <b>2020</b> , 43, 2380-2393	8.4	6
165	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , <b>2020</b> , 11, 5515	17.4	24
164	Soil carbon loss by experimental warming in a tropical forest. <i>Nature</i> , <b>2020</b> , 584, 234-237	50.4	51
163	Multiple phosphorus acquisition strategies adopted by fine roots in low-fertility soils in Central Amazonia. <i>Plant and Soil</i> , <b>2020</b> , 450, 49-63	4.2	26
162	Foliar water uptake in Amazonian trees: Evidence and consequences. <i>Global Change Biology</i> , <b>2019</b> , 25, 2678-2690	11.4	20
161	Exceptionally high mangrove root production rates in the Kelantan Delta, Malaysia; An experimental and comparative study. <i>Forest Ecology and Management</i> , <b>2019</b> , 444, 214-224	3.9	13

160	Performance of Laser-Based Electronic Devices for Structural Analysis of Amazonian Terra-Firme Forests. <i>Remote Sensing</i> , <b>2019</b> , 11, 510	5	4
159	Microbial responses to warming enhance soil carbon loss following translocation across a tropical forest elevation gradient. <i>Ecology Letters</i> , <b>2019</b> , 22, 1889-1899	10	18
158	The importance of physiological, structural and trait responses to drought stress in driving spatial and temporal variation in GPP across Amazon forests. <i>Biogeosciences</i> , <b>2019</b> , 16, 4463-4484	4.6	9
157	Carbon and nitrogen inputs differentially affect priming of soil organic matter in tropical lowland and montane soils. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 129, 212-222	7.5	35
156	Adaptation of soil microbial growth to temperature: Using a tropical elevation gradient to predict future changes. <i>Global Change Biology</i> , <b>2019</b> , 25, 827-838	11.4	41
155	Drivers and mechanisms of tree mortality in moist tropical forests. <i>New Phytologist</i> , <b>2018</b> , 219, 851-869	9.8	209
154	Drought stress and tree size determine stem CO efflux in a tropical forest. <i>New Phytologist</i> , <b>2018</b> , 218, 1393-1405	9.8	19
153	Shock and stabilisation following long-term drought in tropical forest from 15 years of litterfall dynamics. <i>Journal of Ecology</i> , <b>2018</b> , 106, 1673-1682	6	17
152	Manipulative experiments demonstrate how long-term soil moisture changes alter controls of plant water use. <i>Environmental and Experimental Botany</i> , <b>2018</b> , 152, 19-27	5.9	30
151	What controls variation in carbon use efficiency among Amazonian tropical forests?. <i>Biotropica</i> , <b>2018</b> , 50, 16-25	2.3	20
150	Microbes follow Humboldt: temperature drives plant and soil microbial diversity patterns from the Amazon to the Andes. <i>Ecology</i> , <b>2018</b> , 99, 2455-2466	4.6	95
149	Isoprene emission structures tropical tree biogeography and community assembly responses to climate. <i>New Phytologist</i> , <b>2018</b> , 220, 435-446	9.8	17
148	Asymmetric responses of primary productivity to altered precipitation simulated by ecosystem models across three long-term grassland sites. <i>Biogeosciences</i> , <b>2018</b> , 15, 3421-3437	4.6	36
147	Nutrient limitations to bacterial and fungal growth during cellulose decomposition in tropical forest soils. <i>Biology and Fertility of Soils</i> , <b>2018</b> , 54, 219-228	6.1	50
146	Stand dynamics modulate water cycling and mortality risk in droughted tropical forest. <i>Global Change Biology</i> , <b>2018</b> , 24, 249-258	11.4	22
145	A generic pixel-to-point comparison for simulated large-scale ecosystem properties and ground-based observations: an example from the Amazon region. <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 5203-5215	6.3	4
144	ENSO Drives interannual variation of forest woody growth across the tropics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	28
143	Short-term effects of drought on tropical forest do not fully predict impacts of repeated or long-term drought: gas exchange versus growth. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	18

142	Modelling tropical forest responses to drought and El Niño with a stomatal optimization model based on xylem hydraulics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	49
141	Guidelines and considerations for designing field experiments simulating precipitation extremes in forest ecosystems. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 2310-2325	7.7	15
140	Scaling leaf respiration with nitrogen and phosphorus in tropical forests across two continents. <i>New Phytologist</i> , <b>2017</b> , 214, 1064-1077	9.8	19
139	Differences in xylem and leaf hydraulic traits explain differences in drought tolerance among mature Amazon rainforest trees. <i>Global Change Biology</i> , <b>2017</b> , 23, 4280-4293	11.4	40
138	An empirical method that separates irreversible stem radial growth from bark water content changes in trees: theory and case studies. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 290-303	8.4	58
137	Nitrogen and phosphorus availabilities interact to modulate leaf trait scaling relationships across six plant functional types in a controlled-environment study. <i>New Phytologist</i> , <b>2017</b> , 215, 992-1008	9.8	29
136	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. <i>Ecology Letters</i> , <b>2017</b> , 20, 730-740	10	62
135	Linking plant hydraulics and beta diversity in tropical forests. <i>New Phytologist</i> , <b>2017</b> , 215, 12-14	9.8	1
134	How do leaf and ecosystem measures of water-use efficiency compare?. <i>New Phytologist</i> , <b>2017</b> , 216, 758-770	9.8	89
133	Leaf water storage increases with salinity and aridity in the mangrove <i>Avicennia marina</i> : integration of leaf structure, osmotic adjustment and access to multiple water sources. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 1576-1591	8.4	40
132	Biogeographic distributions of neotropical trees reflect their directly measured drought tolerances. <i>Scientific Reports</i> , <b>2017</b> , 7, 8334	4.9	35
131	Mapping local and global variability in plant trait distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E10937-E10946	11.5	103
130	Implications of improved representations of plant respiration in a changing climate. <i>Nature Communications</i> , <b>2017</b> , 8, 1602	17.4	67
129	The variation of productivity and its allocation along a tropical elevation gradient: a whole carbon budget perspective. <i>New Phytologist</i> , <b>2017</b> , 214, 1019-1032	9.8	68
128	Thermal limits of leaf metabolism across biomes. <i>Global Change Biology</i> , <b>2017</b> , 23, 209-223	11.4	126
127	Plumbing the depths: extracellular water storage in specialized leaf structures and its functional expression in a three-domain pressure-volume relationship. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 1021-1038	8.4	22
126	Leaf-level photosynthetic capacity in lowland Amazonian and high-elevation Andean tropical moist forests of Peru. <i>New Phytologist</i> , <b>2017</b> , 214, 1002-1018	9.8	62
125	Plant Structure-Function Relationships and Woody Tissue Respiration: Upscaling to Forests from Laser-Derived Measurements. <i>Advances in Photosynthesis and Respiration</i> , <b>2017</b> , 89-105	1.7	8

124	Complex controls on nitrous oxide flux across a large-elevation gradient in the tropical Peruvian Andes. <i>Biogeosciences</i> , <b>2017</b> , 14, 5077-5097	4.6	4
123	Source to sink: Evolution of lignin composition in the Madre de Dios River system with connection to the Amazon basin and offshore. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 1316-1338	3.7	29
122	Seasonal trends of Amazonian rainforest phenology, net primary productivity, and carbon allocation. <i>Global Biogeochemical Cycles</i> , <b>2016</b> , 30, 700-715	5.9	34
121	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. <i>Global Change Biology</i> , <b>2016</b> , 22, 3996-4013	11.4	99
120	A test of the one-point method for estimating maximum carboxylation capacity from field-measured, light-saturated photosynthesis. <i>New Phytologist</i> , <b>2016</b> , 210, 1130-44	9.8	92
119	Convergence in the temperature response of leaf respiration across biomes and plant functional types. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 3832-7	11.5	139
118	Drivers of atmospheric methane uptake by montane forest soils in the southern Peruvian Andes. <i>Biogeosciences</i> , <b>2016</b> , 13, 4151-4165	4.6	10
117	Linking hydraulic traits to tropical forest function in a size-structured and trait-driven model (TFS v.1-Hydro). <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 4227-4255	6.3	150
116	Plasticity in leaf-level water relations of tropical rainforest trees in response to experimental drought. <i>New Phytologist</i> , <b>2016</b> , 211, 477-88	9.8	46
115	Separating species and environmental determinants of leaf functional traits in temperate rainforest plants along a soil-development chronosequence. <i>Functional Plant Biology</i> , <b>2016</b> , 43, 751-765	2.7	12
114	Temperature sensitivity of soil enzymes along an elevation gradient in the Peruvian Andes. <i>Biogeochemistry</i> , <b>2016</b> , 127, 217-230	3.8	45
113	Limited acclimation in leaf anatomy to experimental drought in tropical rainforest trees. <i>Tree Physiology</i> , <b>2016</b> , 36, 1550-1561	4.2	17
112	Reply to Adams et al.: Empirical versus process-based approaches to modeling temperature responses of leaf respiration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E5996-E5997	11.5	4
111	Drought impact on forest carbon dynamics and fluxes in Amazonia. <i>Nature</i> , <b>2015</b> , 519, 78-82	50.4	341
110	Modelling climate change responses in tropical forests: similar productivity estimates across five models, but different mechanisms and responses. <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 1097-1110	6.3	29
109	Drought-related tree mortality: addressing the gaps in understanding and prediction. <i>New Phytologist</i> , <b>2015</b> , 207, 28-33	9.8	89
108	Biome-specific effects of nitrogen and phosphorus on the photosynthetic characteristics of trees at a forest-savanna boundary in Cameroon. <i>Oecologia</i> , <b>2015</b> , 178, 659-72	2.9	18
107	Optimal stomatal behaviour around the world. <i>Nature Climate Change</i> , <b>2015</b> , 5, 459-464	21.4	264

106	Climate Warming and Soil Carbon in Tropical Forests: Insights from an Elevation Gradient in the Peruvian Andes. <i>BioScience</i> , <b>2015</b> , 65, 906-921	5.7	53
105	Threshold Responses to Soil Moisture Deficit by Trees and Soil in Tropical Rain Forests: Insights from Field Experiments. <i>BioScience</i> , <b>2015</b> , 65, 882-892	5.7	79
104	After more than a decade of soil moisture deficit, tropical rainforest trees maintain photosynthetic capacity, despite increased leaf respiration. <i>Global Change Biology</i> , <b>2015</b> , 21, 4662-72	11.4	53
103	Balancing the risks of hydraulic failure and carbon starvation: a twig scale analysis in declining Scots pine. <i>Plant, Cell and Environment</i> , <b>2015</b> , 38, 2575-88	8.4	56
102	Comparative assessment of the sensitivity of oilseed rape and wheat to limited water supply. <i>Annals of Applied Biology</i> , <b>2015</b> , 167, 102-115	2.6	10
101	Source and sink carbon dynamics and carbon allocation in the Amazon basin. <i>Global Biogeochemical Cycles</i> , <b>2015</b> , 29, 645-655	5.9	33
100	Soil microbial nutrient constraints along a tropical forest elevation gradient: a belowground test of a biogeochemical paradigm. <i>Biogeosciences</i> , <b>2015</b> , 12, 6071-6083	4.6	42
99	Death from drought in tropical forests is triggered by hydraulics not carbon starvation. <i>Nature</i> , <b>2015</b> , 528, 119-22	50.4	339
98	Describing termite assemblage structure in a Peruvian lowland tropical rain forest: a comparison of two alternative methods. <i>Insectes Sociaux</i> , <b>2015</b> , 62, 141-150	1.5	12
97	Density-body mass relationships: Inconsistent intercontinental patterns among termite feeding-groups. <i>Acta Oecologica</i> , <b>2015</b> , 63, 16-21	1.7	2
96	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , <b>2015</b> , 206, 614-36	9.8	244
95	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. <i>Global Change Biology</i> , <b>2015</b> , 21, 2283-95	11.4	105
94	Termites promote soil carbon and nitrogen depletion: Results from an in situ macrofauna exclusion experiment, Peru. <i>Soil Biology and Biochemistry</i> , <b>2014</b> , 77, 109-111	7.5	11
93	Temperature sensitivity of soil respiration rates enhanced by microbial community response. <i>Nature</i> , <b>2014</b> , 513, 81-4	50.4	368
92	Gross Primary Productivity of a High Elevation Tropical Montane Cloud Forest. <i>Ecosystems</i> , <b>2014</b> , 17, 751	3.9	24
91	Amazon forest biomass density maps: tackling the uncertainty in carbon emission estimates. <i>Climatic Change</i> , <b>2014</b> , 124, 545-560	4.5	32
90	Productivity and carbon allocation in a tropical montane cloud forest in the Peruvian Andes. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 107-123	2.2	55
89	Understanding the relationships between ecosystem services and poverty alleviation: A conceptual framework. <i>Ecosystem Services</i> , <b>2014</b> , 7, 34-45	6.1	138



88	Ecosystem protection and poverty alleviation in the tropics: Perspective from a historical evolution of policy-making in the Brazilian Amazon. <i>Ecosystem Services</i> , <b>2014</b> , 8, 97-109	6.1	30
87	Microbial community composition explains soil respiration responses to changing carbon inputs along an Andes-to-Amazon elevation gradient. <i>Journal of Ecology</i> , <b>2014</b> , 102, 1058-1071	6	133
86	Can current moisture responses predict soil CO <sub>2</sub> efflux under altered precipitation regimes? A synthesis of manipulation experiments. <i>Biogeosciences</i> , <b>2014</b> , 11, 2991-3013	4.6	60
85	Methane and nitrous oxide fluxes across an elevation gradient in the tropical Peruvian Andes. <i>Biogeosciences</i> , <b>2014</b> , 11, 2325-2339	4.6	26
84	Predicting the response of the Amazon rainforest to persistent drought conditions under current and future climates: a major challenge for global land surface models. <i>Geoscientific Model Development</i> , <b>2014</b> , 7, 2933-2950	6.3	32
83	Seasonal production, allocation and cycling of carbon in two mid-elevation tropical montane forest plots in the Peruvian Andes. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 125-142	2.2	38
82	Microbial carbon mineralization in tropical lowland and montane forest soils of Peru. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 720	5.7	23
81	Evidence for strong seasonality in the carbon storage and carbon use efficiency of an Amazonian forest. <i>Global Change Biology</i> , <b>2014</b> , 20, 979-91	11.4	49
80	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 935-946	6.1	205
79	First comparison of quantitative estimates of termite biomass and abundance reveals strong intercontinental differences. <i>Journal of Tropical Ecology</i> , <b>2014</b> , 30, 143-152	1.3	34
78	Seasonality of above-ground net primary productivity along an Andean altitudinal transect in Peru. <i>Journal of Tropical Ecology</i> , <b>2014</b> , 30, 503-519	1.3	20
77	The productivity, metabolism and carbon cycle of two lowland tropical forest plots in south-western Amazonia, Peru. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 85-105	2.2	73
76	Ecosystem respiration and net primary productivity after 810 years of experimental through-fall reduction in an eastern Amazon forest. <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 7-24	2.2	43
75	The sensitivity of wood production to seasonal and interannual variations in climate in a lowland Amazonian rainforest. <i>Oecologia</i> , <b>2014</b> , 174, 295-306	2.9	34
74	Light inhibition of leaf respiration as soil fertility declines along a post-glacial chronosequence in New Zealand: an analysis using the Kok method. <i>Plant and Soil</i> , <b>2013</b> , 367, 163-182	4.2	39
73	Nutrient limitation in rainforests and cloud forests along a 3,000-m elevation gradient in the Peruvian Andes. <i>Oecologia</i> , <b>2013</b> , 172, 889-902	2.9	139
72	Confronting model predictions of carbon fluxes with measurements of Amazon forests subjected to experimental drought. <i>New Phytologist</i> , <b>2013</b> , 200, 350-365	9.8	214
71	Strengthening conceptual foundations: Analysing frameworks for ecosystem services and poverty alleviation research. <i>Global Environmental Change</i> , <b>2013</b> , 23, 1098-1111	10.1	99



70	Simulated resilience of tropical rainforests to CO <sub>2</sub> -induced climate change. <i>Nature Geoscience</i> , <b>2013</b> , 6, 268-273	18.3	293
69	The Response of Tropical Rainforest Dead Wood Respiration to Seasonal Drought. <i>Ecosystems</i> , <b>2013</b> , 16, 1294-1309	3.9	13
68	Fusing radar and optical remote sensing for biomass prediction in mountainous tropical forests <b>2013</b> ,		1
67	A novel application of satellite radar data: measuring carbon sequestration and detecting degradation in a community forestry project in Mozambique. <i>Plant Ecology and Diversity</i> , <b>2013</b> , 6, 159-170 <sup>2</sup>	2.2	23
66	Fluxos de CO <sub>2</sub> do solo na floresta nacional de Caxiuanã Parã durante o experimento ESECAFLOR/LBA. <i>Revista Brasileira De Meteorologia</i> , <b>2013</b> , 28, 85-94	0.4	3
65	Annual variation in soil respiration and its component parts in two structurally contrasting woody savannas in Central Brazil. <i>Plant and Soil</i> , <b>2012</b> , 352, 129-142	4.2	23
64	Can composition and physical protection of soil organic matter explain soil respiration temperature sensitivity?. <i>Biogeochemistry</i> , <b>2012</b> , 107, 423-436	3.8	60
63	Photosynthetic parameters, dark respiration and leaf traits in the canopy of a Peruvian tropical montane cloud forest. <i>Oecologia</i> , <b>2012</b> , 168, 23-34	2.9	45
62	Mapping tropical forest biomass with radar and spaceborne LiDAR in Lopé National Park, Gabon: overcoming problems of high biomass and persistent cloud. <i>Biogeosciences</i> , <b>2012</b> , 9, 179-191	4.6	134
61	Drought and ecosystem carbon cycling. <i>Agricultural and Forest Meteorology</i> , <b>2011</b> , 151, 765-773	5.8	359
60	Measuring biomass changes due to woody encroachment and deforestation/degradation in a forest-savanna boundary region of central Africa using multi-temporal L-band radar backscatter. <i>Remote Sensing of Environment</i> , <b>2011</b> , 115, 2861-2873	13.2	175
59	Upslope migration of Andean trees. <i>Journal of Biogeography</i> , <b>2011</b> , 38, 783-791	4.1	225
58	The sensitivity of tropical leaf litter decomposition to temperature: results from a large-scale leaf translocation experiment along an elevation gradient in Peruvian forests. <i>New Phytologist</i> , <b>2011</b> , 189, 967-977	9.8	124
57	Environmental distribution and abundance of the facultative methanotroph <i>Methylocella</i> . <i>ISME Journal</i> , <b>2011</b> , 5, 1061-6	11.9	61
56	Microbes do not follow the elevational diversity patterns of plants and animals. <i>Ecology</i> , <b>2011</b> , 92, 797-804 <sup>6</sup>	4.6	257
55	Effect of 7 yr of experimental drought on vegetation dynamics and biomass storage of an eastern Amazonian rainforest. <i>New Phytologist</i> , <b>2010</b> , 187, 579-91	9.8	236
54	Assessing uncertainties in a second-generation dynamic vegetation model caused by ecological scale limitations. <i>New Phytologist</i> , <b>2010</b> , 187, 666-81	9.8	225
53	Multiple mechanisms of Amazonian forest biomass losses in three dynamic global vegetation models under climate change. <i>New Phytologist</i> , <b>2010</b> , 187, 647-65	9.8	162

52	Drought-mortality relationships for tropical forests. <i>New Phytologist</i> , <b>2010</b> , 187, 631-46	9.8	400
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