

# David Coomes

## List of Publications by Year in descending order

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231  
papers

26,542  
citations

8181

76  
h-index

7160

153  
g-index

248  
all docs

248  
docs citations

248  
times ranked

27064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting leaf traits of temperate broadleaf deciduous trees from hyperspectral reflectance: can a general model be applied across a growing season?. <i>Remote Sensing of Environment</i> , 2022, 269, 112767.	11.0	12
2	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. <i>Remote Sensing of Environment</i> , 2022, 270, 112845.	11.0	108
3	The number of tree species on Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	86
4	The Shift from Energy to Water Limitation in Local Canopy Height from Temperate to Tropical Forests in China. <i>Forests</i> , 2022, 13, 639.	2.1	1
5	Functional susceptibility of tropical forests to climate change. <i>Nature Ecology and Evolution</i> , 2022, 6, 878-889.	7.8	8
6	Tallo: A global tree allometry and crown architecture database. <i>Global Change Biology</i> , 2022, 28, 5254-5268.	9.5	24
7	Challenging the link between functional and spectral diversity with radiative transfer modeling and data. <i>Remote Sensing of Environment</i> , 2022, 280, 113170.	11.0	9
8	Riparian buffers act as microclimatic refugia in oil palm landscapes. <i>Journal of Applied Ecology</i> , 2021, 58, 431-442.	4.0	27
9	The mechanical stability of the world's tallest broadleaf trees. <i>Biotropica</i> , 2021, 53, 110-120.	1.6	20
10	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , 2021, 252, 112122.	11.0	38
11	Leech blood-derived invertebrate-derived DNA reveals differences in Bornean mammal diversity across habitats. <i>Molecular Ecology</i> , 2021, 30, 3299-3312.	3.9	24
12	Pantropical variability in tree crown allometry. <i>Global Ecology and Biogeography</i> , 2021, 30, 459-475.	5.8	27
13	Resource availability and disturbance shape maximum tree height across the Amazon. <i>Global Change Biology</i> , 2021, 27, 177-189.	9.5	26
14	Carbon flux and forest dynamics: Increased deadwood decomposition in tropical rainforest treefall canopy gaps. <i>Global Change Biology</i> , 2021, 27, 1601-1613.	9.5	22
15	Recovery of logged forest fragments in a human-modified tropical landscape during the 2015-16 El Niño. <i>Nature Communications</i> , 2021, 12, 1526.	12.8	31
16	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. <i>Nature Communications</i> , 2021, 12, 3137.	12.8	28
17	The impact of logging on vertical canopy structure across a gradient of tropical forest degradation intensity in Borneo. <i>Journal of Applied Ecology</i> , 2021, 58, 1764-1775.	4.0	26
18	Individual tree detection and crown segmentation based on metabolic theory from airborne laser scanning data. <i>Journal of Applied Remote Sensing</i> , 2021, 15, .	1.3	3

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19	The motion of trees in the wind: a data synthesis. <i>Biogeosciences</i> , 2021, 18, 4059-4072.	3.3	28
20	Multisensor Data Fusion for Improved Segmentation of Individual Tree Crowns in Dense Tropical Forests. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 3927-3936.	4.9	15
21	Monitoring ash dieback ( <i>Hymenoscyphus fraxineus</i> ) in British forests using hyperspectral remote sensing. <i>Remote Sensing in Ecology and Conservation</i> , 2021, 7, 306-320.	4.3	15
22	3D Segmentation of Trees Through a Flexible Multiclass Graph Cut Algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 754-776.	6.3	39
23	Occurrence of blood-feeding terrestrial leeches (Haemadipsidae) in a degraded forest ecosystem and their potential as ecological indicators. <i>Biotropica</i> , 2020, 52, 302-312.	1.6	9
24	Tree survival and growth responses in the aftermath of a strong earthquake. <i>Journal of Ecology</i> , 2020, 108, 107-121.	4.0	9
25	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
26	Imaging spectroscopy reveals the effects of topography and logging on the leaf chemistry of tropical forest canopy trees. <i>Global Change Biology</i> , 2020, 26, 989-1002.	9.5	37
27	Maximizing the value of forest restoration for tropical mammals by detecting three-dimensional habitat associations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26254-26262.	7.1	30
28	Resilience of Spanish forests to recent droughts and climate change. <i>Global Change Biology</i> , 2020, 26, 7079-7098.	9.5	27
29	Response to Comment on “Forest microclimate dynamics drive plant responses to warming”. <i>Science</i> , 2020, 370, .	12.6	1
30	Evaluating the potential of full-waveform lidar for mapping pan-tropical tree species richness. <i>Global Ecology and Biogeography</i> , 2020, 29, 1799-1816.	5.8	31
31	Standardizing Ecosystem Morphological Traits from 3D Information Sources. <i>Trends in Ecology and Evolution</i> , 2020, 35, 656-667.	8.7	72
32	Forest microclimate dynamics drive plant responses to warming. <i>Science</i> , 2020, 368, 772-775.	12.6	385
33	Global Airborne Laser Scanning Data Providers Database (GlobALS) – A New Tool for Monitoring Ecosystems and Biodiversity. <i>Remote Sensing</i> , 2020, 12, 1877.	4.0	16
34	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020, 579, 80-87.	27.8	439
35	Good things take time – Diversity effects on tree growth shift from negative to positive during stand development in boreal forests. <i>Journal of Ecology</i> , 2020, 108, 2198-2211.	4.0	21
36	Capturing juvenile tree dynamics from count data using Approximate Bayesian Computation. <i>Ecography</i> , 2020, 43, 406-418.	4.5	15

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37	Characterizing and Evaluating Integrated Landscape Initiatives. <i>One Earth</i> , 2020, 2, 174-187.	6.8	29
38	A Research Agenda for Microclimate Ecology in Human-Modified Tropical Forests. <i>Frontiers in Forests and Global Change</i> , 2020, 2, .	2.3	33
39	Partial river flow recovery with forest age is rare in the decades following establishment. <i>Global Change Biology</i> , 2020, 26, 1458-1473.	9.5	26
40	Dynamics of a human-modified tropical peat swamp forest revealed by repeat lidar surveys. <i>Global Change Biology</i> , 2020, 26, 3947-3964.	9.5	17
41	Response to Comment on "Forest microclimate dynamics drive plant responses to warming". <i>Science</i> , 2020, 370, .	12.6	3
42	Densities of Bornean orangutans ( <i>Pongo pygmaeus morio</i> ) in heavily degraded forest and oil palm plantations in Sabah, Borneo. <i>American Journal of Primatology</i> , 2019, 81, e23030.	1.7	19
43	Reconciling the contribution of environmental and stochastic structuring of tropical forest diversity through the lens of imaging spectroscopy. <i>Ecology Letters</i> , 2019, 22, 1608-1619.	6.4	9
44	A critique of general allometry-inspired models for estimating forest carbon density from airborne LiDAR. <i>PLoS ONE</i> , 2019, 14, e0215238.	2.5	4
45	How do trees respond to species mixing in experimental compared to observational studies?. <i>Ecology and Evolution</i> , 2019, 9, 11254-11265.	1.9	8
46	The giant trees of the Amazon basin. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 373-374.	4.0	28
47	Seasonal drivers of understory temperature buffering in temperate deciduous forests across Europe. <i>Global Ecology and Biogeography</i> , 2019, 28, 1774-1786.	5.8	115
48	The World's Tallest Tropical Tree in Three Dimensions. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	2.3	38
49	Accurate Measurement of Tropical Forest Canopy Heights and Aboveground Carbon Using Structure From Motion. <i>Remote Sensing</i> , 2019, 11, 928.	4.0	46
50	Forest fragmentation in China and its effect on biodiversity. <i>Biological Reviews</i> , 2019, 94, 1636-1657.	10.4	118
51	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019, 569, 404-408.	27.8	371
52	Limited capacity of tree growth to mitigate the global greenhouse effect under predicted warming. <i>Nature Communications</i> , 2019, 10, 2171.	12.8	92
53	A Comparative Assessment of the Performance of Individual Tree Crowns Delineation Algorithms from ALS Data in Tropical Forests. <i>Remote Sensing</i> , 2019, 11, 1086.	4.0	73
54	Unconditional Transfers and Tropical Forest Conservation: Evidence from a Randomized Control Trial in Sierra Leone. <i>American Journal of Agricultural Economics</i> , 2019, 101, 894-918.	4.3	32

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55	The distribution of plants and seed dispersers in response to habitat fragmentation in an artificial island archipelago. <i>Journal of Biogeography</i> , 2019, 46, 1152-1162.	3.0	18
56	Ground Data are Essential for Biomass Remote Sensing Missions. <i>Surveys in Geophysics</i> , 2019, 40, 863-880.	4.6	91
57	Semi-Supervised Learning with Graphs: Covariance Based Superpixels For Hyperspectral Image Classification. , 2019, , .		3
58	Larger fragments have more late-successional species of woody plants than smaller fragments after 50 years of secondary succession. <i>Journal of Ecology</i> , 2019, 107, 582-594.	4.0	43
59	Identifying the tree species compositions that maximize ecosystem functioning in European forests. <i>Journal of Applied Ecology</i> , 2019, 56, 733-744.	4.0	58
60	Advances in Microclimate Ecology Arising from Remote Sensing. <i>Trends in Ecology and Evolution</i> , 2019, 34, 327-341.	8.7	229
61	A simple approach to forest structure classification using airborne laser scanning that can be adopted across bioregions. <i>Forest Ecology and Management</i> , 2019, 433, 111-121.	3.2	22
62	Topography shapes the structure, composition and function of tropical forest landscapes. <i>Ecology Letters</i> , 2018, 21, 989-1000.	6.4	215
63	Blind image fusion for hyperspectral imaging with the directional total variation. <i>Inverse Problems</i> , 2018, 34, 044003.	2.0	40
64	Vessel diameter is related to amount and spatial arrangement of axial parenchyma in woody angiosperms. <i>Plant, Cell and Environment</i> , 2018, 41, 245-260.	5.7	81
65	Mapped aboveground carbon stocks to advance forest conservation and recovery in Malaysian Borneo. <i>Biological Conservation</i> , 2018, 217, 289-310.	4.1	91
66	Airborne laser scanning of natural forests in New Zealand reveals the influences of wind on forest carbon. <i>Forest Ecosystems</i> , 2018, 5, .	3.1	17
67	Extreme and Highly Heterogeneous Microclimates in Selectively Logged Tropical Forests. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	2.3	37
68	Canopy structure and topography jointly constrain the microclimate of human-modified tropical landscapes. <i>Global Change Biology</i> , 2018, 24, 5243-5258.	9.5	158
69	Assessing the Progress of REDD+ Projects towards the Sustainable Development Goals. <i>Forests</i> , 2018, 9, 589.	2.1	17
70	Riparian reserves help protect forest bird communities in oil palm dominated landscapes. <i>Journal of Applied Ecology</i> , 2018, 55, 2744-2755.	4.0	53
71	Effect of Tree Phenology on LiDAR Measurement of Mediterranean Forest Structure. <i>Remote Sensing</i> , 2018, 10, 659.	4.0	5
72	Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. <i>Biogeosciences</i> , 2018, 15, 3811-3830.	3.3	47

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73	Inferring diversity patterns along an elevation gradient from stacked SDMs: A case study on Mesoamerican ferns. <i>Global Ecology and Conservation</i> , 2018, 16, e00433.	2.1	14
74	Nitrous oxide emissions from sugarcane fields in the Brazilian Cerrado. <i>Agriculture, Ecosystems and Environment</i> , 2017, 246, 55-65.	5.3	21
75	Area-based vs tree-centric approaches to mapping forest carbon in Southeast Asian forests from airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2017, 194, 77-88.	11.0	142
76	Enhancing of accuracy assessment for forest above-ground biomass estimates obtained from remote sensing via hypothesis testing and overfitting evaluation. <i>Ecological Modelling</i> , 2017, 366, 15-26.	2.5	38
77	Synergistic use of Landsat 8 OLI image and airborne LiDAR data for above-ground biomass estimation in tropical lowland rainforests. <i>Forest Ecology and Management</i> , 2017, 406, 163-171.	3.2	31
78	Effects of plot size, stand density, and scan density on the relationship between airborne laser scanning metrics and the Gini coefficient of tree size inequality. <i>Canadian Journal of Forest Research</i> , 2017, 47, 1590-1602.	1.7	13
79	Nationally Representative Plot Network Reveals Contrasting Drivers of Net Biomass Change in Secondary and Old-Growth Forests. <i>Ecosystems</i> , 2017, 20, 944-959.	3.4	32
80	Forest soils in France are sequestering substantial amounts of carbon. <i>Science of the Total Environment</i> , 2017, 574, 616-628.	8.0	58
81	Denial of long-term issues with agriculture on tropical peatlands will have devastating consequences. <i>Global Change Biology</i> , 2017, 23, 977-982.	9.5	114
82	Allometric equations for integrating remote sensing imagery into forest monitoring programmes. <i>Global Change Biology</i> , 2017, 23, 177-190.	9.5	254
83	On the challenges of using field spectroscopy to measure the impact of soil type on leaf traits. <i>Biogeosciences</i> , 2017, 14, 3371-3385.	3.3	18
84	Detecting the fingerprint of drought across Europe's forests: do carbon isotope ratios and stem growth rates tell similar stories?. <i>Forest Ecosystems</i> , 2017, 4, .	3.1	19
85	An Alternative Approach to Using LiDAR Remote Sensing Data to Predict Stem Diameter Distributions across a Temperate Forest Landscape. <i>Remote Sensing</i> , 2017, 9, 944.	4.0	22
86	Mapping Aboveground Carbon in Oil Palm Plantations Using LiDAR: A Comparison of Tree-Centric versus Area-Based Approaches. <i>Remote Sensing</i> , 2017, 9, 816.	4.0	18
87	Modelling above-ground carbon dynamics using multi-temporal airborne lidar: insights from a Mediterranean woodland. <i>Biogeosciences</i> , 2016, 13, 961-973.	3.3	25
88	Incorporating Canopy Cover for Airborne-Derived Assessments of Forest Biomass in the Tropical Forests of Cambodia. <i>PLoS ONE</i> , 2016, 11, e0154307.	2.5	6
89	Drivers of aboveground wood production in a lowland tropical forest of West Africa: teasing apart the roles of tree density, tree diversity, soil phosphorus, and historical logging. <i>Ecology and Evolution</i> , 2016, 6, 4004-4017.	1.9	34
90	Tree-centric mapping of forest carbon density from airborne laser scanning and hyperspectral data. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1236-1245.	5.2	200

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91	Taylor's law and related allometric power laws in New Zealand mountain beech forests: the roles of space, time and environment. <i>Oikos</i> , 2016, 125, 1342-1357.	2.7	18
92	Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. <i>Nature Communications</i> , 2016, 7, 11109.	12.8	185
93	Combining spatial data with survey data improves predictions of boundaries between settlements. <i>Applied Geography</i> , 2016, 77, 1-7.	3.7	11
94	Individual Tree Species Classification From Airborne Multisensor Imagery Using Robust PCA. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 2554-2567.	4.9	53
95	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016, 354, .	12.6	864
96	Aboveground biomass estimation in tropical forests at single tree level with ALS data. , 2016, , .		1
97	Post-volcanic forest succession on New Zealand's North Island: an appraisal from long-term plot data. <i>New Zealand Journal of Botany</i> , 2016, 54, 11-29.	1.1	2
98	Climate modulates the effects of tree diversity on forest productivity. <i>Journal of Ecology</i> , 2016, 104, 388-398.	4.0	109
99	Asymmetric competition causes multimodal size distributions in spatially structured populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152404.	2.6	3
100	Biotic homogenization can decrease landscape-scale forest multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3557-3562.	7.1	196
101	Tropical nature reserves are losing their buffer zones, but leakage is not to blame. <i>Environmental Research</i> , 2016, 147, 580-589.	7.5	27
102	Plant functional traits have globally consistent effects on competition. <i>Nature</i> , 2016, 529, 204-207.	27.8	655
103	Light accelerates plant responses to warming. <i>Nature Plants</i> , 2015, 1, 15110.	9.3	70
104	A simple area-based model for predicting airborne LiDAR first returns from stem diameter distributions: an example study in an uneven-aged, mixed temperate forest. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1338-1350.	1.7	14
105	A Comparison of Novel Optical Remote Sensing-Based Technologies for Forest-Cover/Change Monitoring. <i>Remote Sensing</i> , 2015, 7, 2781-2807.	4.0	17
106	Airborne LiDAR Detects Selectively Logged Tropical Forest Even in an Advanced Stage of Recovery. <i>Remote Sensing</i> , 2015, 7, 8348-8367.	4.0	41
107	Landscape-scale changes in forest canopy structure across a partially logged tropical peat swamp. <i>Biogeosciences</i> , 2015, 12, 6707-6719.	3.3	14
108	Crown plasticity enables trees to optimize canopy packing in mixed-species forests. <i>Functional Ecology</i> , 2015, 29, 1078-1086.	3.6	279

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109	Mapping individual trees from airborne multi-sensor imagery. , 2015, , .		2
110	Century-scale effects of invasive deer and rodents on the dynamics of forests growing on soils of contrasting fertility. Ecological Monographs, 2015, 85, 157-180.	5.4	26
111	Nonparametric Image Registration of Airborne LiDAR, Hyperspectral and Photographic Imagery of Wooded Landscapes. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6073-6084.	6.3	19
112	The impact of selective logging and clearcutting on forest structure, tree diversity and above-ground biomass of African tropical forests. Ecological Research, 2015, 30, 119-132.	1.5	122
113	Biodiversity Mapping in a Tropical West African Forest with Airborne Hyperspectral Data. PLoS ONE, 2014, 9, e97910.	2.5	54
114	Stand Structure and Recent Climate Change Constrain Stand Basal Area Change in European Forests: A Comparison Across Boreal, Temperate, and Mediterranean Biomes. Ecosystems, 2014, 17, 1439-1454.	3.4	47
115	Masting, mixtures and modes: are two models better than one?. Oikos, 2014, 123, 1144-1152.	2.7	3
116	Plant movements and climate warming: intraspecific variation in growth responses to nonlocal soils. New Phytologist, 2014, 202, 431-441.	7.3	29
117	Above ground biomass estimation in an African tropical forest with lidar and hyperspectral data. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 89, 49-58.	11.1	208
118	Wood production response to climate change will depend critically on forest composition and structure. Global Change Biology, 2014, 20, 3632-3645.	9.5	87
119	Rate of tree carbon accumulation increases continuously with tree size. Nature, 2014, 507, 90-93.	27.8	663
120	Stabilizing effects of diversity on aboveground wood production in forest ecosystems: linking patterns and processes. Ecology Letters, 2014, 17, 1560-1569.	6.4	232
121	Using species distribution models to inform IUCN Red List assessments. Biological Conservation, 2014, 177, 174-184.	4.1	116
122	Applications of airborne lidar for the assessment of animal species diversity. Methods in Ecology and Evolution, 2014, 5, 719-729.	5.2	93
123	Competition for light and water play contrasting roles in driving diversity-productivity relationships in Iberian forests. Journal of Ecology, 2014, 102, 1202-1213.	4.0	174
124	Overstorey and topographic effects on understories: Evidence for linkage from cork oak ( Quercus ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	16
125	Global change and Mediterranean forests: current impacts and potential responses. , 2014, , 47-76.		37
126	Recent changes in tropical forest biomass and dynamics. , 2014, , 77-108.		10



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127	Disequilibrium and transient dynamics: disentangling responses to climate change versus broader anthropogenic impacts on temperate forests of eastern North America. , 2014, , 109-128.		5
128	The functional role of biodiversity in the context of global change. , 2014, , 195-238.		67
129	Tree performance across gradients of soil resource availability. , 2014, , 309-340.		2
130	Detecting and projecting changes in forest biomass from plot data. , 2014, , 381-416.		24
131	Analysis of anthropogenic impacts on forest biodiversity as a contribution to empirical theory. , 2014, , 417-446.		7
132	Sustainable management, earthquake disturbances, and transient dynamics: modelling timber harvesting impacts in mixed-species forests. <i>Annals of Forest Science</i> , 2013, 70, 287-298.	2.0	12
133	Soil drainage and phosphorus depletion contribute to retrogressive succession along a New Zealand chronosequence. <i>Plant and Soil</i> , 2013, 367, 77-91.	3.7	56
134	A general combined model to describe treeâ€diameter distributions within subtropical and temperate forest communities. <i>Oikos</i> , 2013, 122, 1636-1642.	2.7	22
135	Microclimate moderates plant responses to macroclimate warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18561-18565.	7.1	523
136	Quantifying variation in forest disturbance, and its effects on aboveground biomass dynamics, across the eastern United States. <i>Global Change Biology</i> , 2013, 19, 1504-1517.	9.5	67
137	Optical and SAR sensor synergies for forest and land cover mapping in a tropical site in West Africa. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 21, 7-16.	2.8	118
138	Remotely sensed indicators of forest conservation status: Case study from a Natura 2000 site in southern Portugal. <i>Ecological Indicators</i> , 2013, 24, 636-647.	6.3	23
139	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013, 15, 281-291.	2.7	179
140	Identification of 100 fundamental ecological questions. <i>Journal of Ecology</i> , 2013, 101, 58-67.	4.0	605
141	Latitudinal gradients as natural laboratories to infer species' responses to temperature. <i>Journal of Ecology</i> , 2013, 101, 784-795.	4.0	315
142	Getting the biggest birch for the bang: restoring and expanding upland birchwoods in the Scottish Highlands by managing red deer. <i>Ecology and Evolution</i> , 2013, 3, 1890-1901.	1.9	12
143	The Effects of Sampling Bias and Model Complexity on the Predictive Performance of MaxEnt Species Distribution Models. <i>PLoS ONE</i> , 2013, 8, e55158.	2.5	398
144	Patterns and Drivers of Tree Mortality in Iberian Forests: Climatic Effects Are Modified by Competition. <i>PLoS ONE</i> , 2013, 8, e56843.	2.5	172

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145	Response to Comment on "Plant Species Richness and Ecosystem Multifunctionality in Global Drylands" Science, 2012, 337, 155-155.	12.6	8
146	SOIL NUTRIENT SUPPLY AND CHIONOCHLOA GRASSES. Bulletin of the Ecological Society of America, 2012, 93, 229-232.	0.2	0
147	Soil nutrient supply modulates temperature-induced cues in mast-seeding grasses. Ecology, 2012, 93, 462-469.	3.2	38
148	Use of an Airborne Lidar System to Model Plant Species Composition and Diversity of Mediterranean Oak Forests. Conservation Biology, 2012, 26, 840-850.	4.7	64
149	Testing the metabolic theory of ecology. Ecology Letters, 2012, 15, 1465-1474.	6.4	155
150	How landscapes change: Integration of spatial patterns and human processes in temperate landscapes of southern Chile. Applied Geography, 2012, 32, 822-831.	3.7	92
151	Impacts of culling and exclusion of browsers on vegetation recovery across New Zealand forests. Biological Conservation, 2012, 153, 64-71.	4.1	46
152	Elegance versus Speed: Examining the Competition between Conifer and Angiosperm Trees. International Journal of Plant Sciences, 2012, 173, 673-694.	1.3	133
153	Comment on "Plant Species Richness and Ecosystem Multifunctionality in Global Drylands" Science, 2012, 337, 155-155.	12.6	26
154	Carbon storage in terrestrial ecosystems: do browsing and grazing herbivores matter?. Biological Reviews, 2012, 87, 72-94.	10.4	152
155	The more stems the merrier: advantages of multi-stemmed architecture for the demography of understorey trees in a temperate broadleaf woodland. Journal of Ecology, 2012, 100, 171-183.	4.0	32
156	A general integrative framework for modelling woody biomass production and carbon sequestration rates in forests. Journal of Ecology, 2012, 100, 42-64.	4.0	92
157	Competitive interactions between forest trees are driven by species' trait hierarchy, not phylogenetic or functional similarity: implications for forest community assembly. Ecology Letters, 2012, 15, 831-840.	6.4	284
158	Predictable changes in aboveground allometry of trees along gradients of temperature, aridity and competition. Global Ecology and Biogeography, 2012, 21, 1017-1028.	5.8	185
159	Seeing the forest for the deer: Do reductions in deer-disturbance lead to forest recovery?. Biological Conservation, 2011, 144, 376-382.	4.1	93
160	Estimating the wood density of species for carbon stock assessments. Methods in Ecology and Evolution, 2011, 2, 214-220.	5.2	59
161	Long-term tree fern dynamics linked to disturbance and shade tolerance. Journal of Vegetation Science, 2011, 22, 72-84.	2.2	26
162	TRY " a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	9.5	2,002

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163	Effects of competition on tree radial growth vary in importance but not in intensity along climatic gradients. <i>Journal of Ecology</i> , 2011, 99, 300-312.	4.0	100
164	Moving on from Metabolic Scaling Theory: hierarchical models of tree growth and asymmetric competition for light. <i>Journal of Ecology</i> , 2011, 99, 748-756.	4.0	82
165	Species- and community-level patterns in fine root traits along a 120,000-year soil chronosequence in temperate rain forest. <i>Journal of Ecology</i> , 2011, 99, 954-963.	4.0	221
166	Evolution of the climatic niche in scaly tree ferns (Cyatheaceae, Polypodiopsida). <i>Botanical Journal of the Linnean Society</i> , 2011, 165, 1-19.	1.6	32
167	Influence of foliar traits on forage selection by introduced red deer in New Zealand. <i>Basic and Applied Ecology</i> , 2011, 12, 56-63.	2.7	15
168	Arbuscular mycorrhizal inoculum potential: a mechanism promoting positive diversity-invasibility relationships in mountain beech forests in New Zealand?. <i>Mycorrhiza</i> , 2011, 21, 309-314.	2.8	17
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