David Coomes

List of Publications by Year in descending order

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	Towards a worldwide wood economics spectrum. Ecology Letters, 2009, 12, 351-366.	6.4	2,219
2	TRY â€“ a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	9.5	2,002
3	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
4	Positive biodiversity-productivity relationship predominant in global forests. Science, 2016, 354, .	12.6	864
5	Biodiversity Conservation: Challenges Beyond 2010. Science, 2010, 329, 1298-1303.	12.6	832
6	Rate of tree carbon accumulation increases continuously with tree size. Nature, 2014, 507, 90-93.	27.8	663
7	Plant functional traits have globally consistent effects on competition. Nature, 2016, 529, 204-207.	27.8	655
8	Identification of 100 fundamental ecological questions. Journal of Ecology, 2013, 101, 58-67.	4.0	605
9	IMPACTS OF ROOT COMPETITION IN FORESTS AND WOODLANDS: A THEORETICAL FRAMEWORK AND REVIEW OF EXPERIMENTS. Ecological Monographs, 2000, 70, 171-207.	5.4	548
10	Microclimate moderates plant responses to macroclimate warming. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18561-18565.	7.1	523
11	Rapid deforestation and fragmentation of Chilean Temperate Forests. Biological Conservation, 2006, 130, 481-494.	4.1	454
12	Asynchronous carbon sink saturation in African and Amazonian tropical forests. Nature, 2020, 579, 80-87.	27.8	439
13	The Effects of Sampling Bias and Model Complexity on the Predictive Performance of MaxEnt Species Distribution Models. PLoS ONE, 2013, 8, e55158.	2.5	398
14	Global metaâ€analysis of wood decomposition rates: a role for trait variation among tree species?. Ecology Letters, 2009, 12, 45-56.	6.4	394
15	Forest microclimate dynamics drive plant responses to warming. Science, 2020, 368, 772-775.	12.6	385
16	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. Nature, 2019, 569, 404-408.	27.8	371
17	Angiosperm wood structure: Global patterns in vessel anatomy and their relation to wood density and potential conductivity. American Journal of Botany, 2010, 97, 207-215.	1.7	355
18	Effects of size, competition and altitude on tree growth. Journal of Ecology, 2007, 95, 1084-1097.	4.0	341

#	Article	IF	Citations
19	Latitudinal gradients as natural laboratories to infer species' responses to temperature. Journal of Ecology, 2013, 101, 784-795.	4.0	315
20	Colonization, tolerance, competition and seed-size variation within functional groups. Trends in Ecology and Evolution, 2003, 18, 283-291.	8.7	297
21	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
22	Long-Term Effects of Wildfire on Ecosystem Properties Across an Island Area Gradient. Science, 2003, 300, 972-975.	12.6	283
23	Crown plasticity enables trees to optimize canopy packing in mixedâ€species forests. Functional Ecology, 2015, 29, 1078-1086.	3.6	279
24	Allometric equations for integrating remote sensing imagery into forest monitoring programmes. Global Change Biology, 2017, 23, 177-190.	9.5	254
25	Mortality and tree-size distributions in natural mixed-age forests. Journal of Ecology, 2007, 95, 27-40.	4.0	233
26	Stabilizing effects of diversity on aboveground wood production in forest ecosystems: linking patterns and processes. Ecology Letters, 2014, 17, 1560-1569.	6.4	232
27	Advances in Microclimate Ecology Arising from Remote Sensing. Trends in Ecology and Evolution, 2019, 34, 327-341.	8.7	229
28	Species- and community-level patterns in fine root traits along a 120â€ƒ000-year soil chronosequence in temperate rain forest. Journal of Ecology, 2011, 99, 954-963.	4.0	221
29	Topography shapes the structure, composition and function of tropical forest landscapes. Ecology Letters, 2018, 21, 989-1000.	6.4	215
30	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
31	Treeâ€centric mapping of forest carbon density from airborne laser scanning and hyperspectral data. Methods in Ecology and Evolution, 2016, 7, 1236-1245.	5.2	200
32	Biotic homogenization can decrease landscape-scale forest multifunctionality. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3557-3562.	7.1	196
33	Impacts of forest fragmentation on species composition and forest structure in the temperate landscape of southern Chile. Global Ecology and Biogeography, 2007, 16, 426-439.	5.8	186
34	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
35	Jack-of-all-trades effects drive biodiversityâ€“ecosystem multifunctionality relationships in European forests. Nature Communications, 2016, 7, 11109.	12.8	185
36	The hare, the tortoise and the crocodile: the ecology of angiosperm dominance, conifer persistence and fern filtering. Journal of Ecology, 2005, 93, 918-935.	4.0	182

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37	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. Perspectives in Plant Ecology, Evolution and Systematics, 2013, 15, 281-291.	2.7	179
38	Competition for light and water play contrasting roles in driving diversityâ€“productivity relationships in Iberian forests. Journal of Ecology, 2014, 102, 1202-1213.	4.0	174
39	Disturbances prevent stem size-density distributions in natural forests from following scaling relationships. Ecology Letters, 2003, 6, 980-989.	6.4	173
40	Patterns and Drivers of Tree Mortality in Iberian Forests: Climatic Effects Are Modified by Competition. PLoS ONE, 2013, 8, e56843.	2.5	172
41	Canopy structure and topography jointly constrain the microclimate of humanâ€modified tropical landscapes. Global Change Biology, 2018, 24, 5243-5258.	9.5	158
42	Designing systems to monitor carbon stocks in forests and shrublands. Forest Ecology and Management, 2002, 164, 89-108.	3.2	155
43	Testing the metabolic theory of ecology. Ecology Letters, 2012, 15, 1465-1474.	6.4	155
44	Seed mass and the competition/colonization trade-off: competitive interactions and spatial patterns in a guild of annual plants. Journal of Ecology, 2004, 92, 97-109.	4.0	153
45	Carbon storage in terrestrial ecosystems: do browsing and grazing herbivores matter?. Biological Reviews, 2012, 87, 72-94.	10.4	152
46	Area-based vs tree-centric approaches to mapping forest carbon in Southeast Asian forests from airborne laser scanning data. Remote Sensing of Environment, 2017, 194, 77-88.	11.0	142
47	Spatially explicit models to analyze forest loss and fragmentation between 1976 and 2020 in southern Chile. Ecological Modelling, 2008, 212, 439-449.	2.5	138
48	Factors Preventing the Recovery of New Zealand Forests Following Control of Invasive Deer. Conservation Biology, 2003, 17, 450-459.	4.7	137
49	Influences of Forest Structure, Climate and Species Composition on Tree Mortality across the Eastern US. PLoS ONE, 2010, 5, e13212.	2.5	136
50	Elegance versus Speed: Examining the Competition between Conifer and Angiosperm Trees. International Journal of Plant Sciences, 2012, 173, 673-694.	1.3	133
51	The impact of selective logging and clearcutting on forest structure, tree diversity and aboveâ€ground biomass of African tropical forests. Ecological Research, 2015, 30, 119-132.	1.5	122
52	Landscapeâ€level vegetation recovery from herbivory: progress after four decades of invasive red deer control. Journal of Applied Ecology, 2009, 46, 1064-1072.	4.0	120
53	Optical and SAR sensor synergies for forest and land cover mapping in a tropical site in West Africa. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 7-16.	2.8	118
54	Forest fragmentation in China and its effect on biodiversity. Biological Reviews, 2019, 94, 1636-1657.	10.4	118

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55	Using species distribution models to inform IUCN Red List assessments. Biological Conservation, 2014, 177, 174-184.	4.1	116
56	Seasonal drivers of understorey temperature buffering in temperate deciduous forests across Europe. Global Ecology and Biogeography, 2019, 28, 1774-1786.	5.8	115
57	Denial of longâ€term issues with agriculture on tropical peatlands will have devastating consequences. Global Change Biology, 2017, 23, 977-982.	9.5	114
58	N and P in New Zealand Soil Chronosequences and Relationships with Foliar N and P. Biogeochemistry, 2005, 75, 305-328.	3.5	113
59	A greater range of shadeâ€tolerance niches in nutrientâ€rich forests: an explanation for positive richnessâ€“productivity relationships?. Journal of Ecology, 2009, 97, 705-717.	4.0	113
60	Climate modulates the effects of tree diversity on forest productivity. Journal of Ecology, 2016, 104, 388-398.	4.0	109
61	Aboveground biomass density models for NASAâ€™s Global Ecosystem Dynamics Investigation (GEDI) lidar mission. Remote Sensing of Environment, 2022, 270, 112845.	11.0	108
62	Effects of competition on tree radialâ€growth vary in importance but not in intensity along climatic gradients. Journal of Ecology, 2011, 99, 300-312.	4.0	100
63	Interspecific relationships among growth, mortality and xylem traits of woody species from New Zealand. Functional Ecology, 2010, 24, 253-262.	3.6	99
64	Seeing the forest for the deer: Do reductions in deer-disturbance lead to forest recovery?. Biological Conservation, 2011, 144, 376-382.	4.1	93
65	Applications of airborne lidar for the assessment of animal species diversity. Methods in Ecology and Evolution, 2014, 5, 719-729.	5.2	93
66	Long-term influences of introduced deer on the composition and structure of New Zealand Nothofagus forests. Forest Ecology and Management, 2003, 181, 99-117.	3.2	92
67	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
68	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
69	Limited capacity of tree growth to mitigate the global greenhouse effect under predicted warming. Nature Communications, 2019, 10, 2171.	12.8	92
70	Mapped aboveground carbon stocks to advance forest conservation and recovery in Malaysian Borneo. Biological Conservation, 2018, 217, 289-310.	4.1	91
71	Ground Data are Essential for Biomass Remote Sensing Missions. Surveys in Geophysics, 2019, 40, 863-880.	4.6	91
72	NEOENDEMISM IN MADAGASCAN SCALY TREE FERNS RESULTS FROM RECENT, COINCIDENT DIVERSIFICATION BURSTS. Evolution; International Journal of Organic Evolution, 2008, 62, 1876-1889.	2.3	88

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73	RESPONSES OF JUVENILE TREES TO ABOVE- AND BELOWGROUND COMPETITION IN NUTRIENT-STARVED AMAZONIAN RAIN FOREST. Ecology, 1998, 79, 768-782.	3.2	87
74	Wood production response to climate change will depend critically on forest composition and structure. Global Change Biology, 2014, 20, 3632-3645.	9.5	87
75	The number of tree species on Earth. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	86
76	Amazonian caatinga and related communities at La Esmeralda, Venezuela: forest structure, physiognomy and floristics, and control by soil factors. Plant Ecology, 1996, 122, 167-191.	1.2	82
77	Moving on from Metabolic Scaling Theory: hierarchical models of tree growth and asymmetric competition for light. Journal of Ecology, 2011, 99, 748-756.	4.0	82
78	Vessel diameter is related to amount and spatial arrangement of axial parenchyma in woody angiosperms. Plant, Cell and Environment, 2018, 41, 245-260.	5.7	81
79	Scaling of xylem vessels and veins within the leaves of oak species. Biology Letters, 2008, 4, 302-306.	2.3	74
80	A Comparative Assessment of the Performance of Individual Tree Crowns Delineation Algorithms from ALS Data in Tropical Forests. Remote Sensing, 2019, 11, 1086.	4.0	73
81	Standardizing Ecosystem Morphological Traits from 3D Information Sources. Trends in Ecology and Evolution, 2020, 35, 656-667.	8.7	72
82	Light accelerates plant responses to warming. Nature Plants, 2015, 1, 15110.	9.3	70
83	The benefits of being in a bad neighbourhood: plant community composition influences red deer foraging decisions. Oikos, 2009, 118, 18-24.	2.7	69
84	Sizeâ€dependence of growth and mortality influence the shade tolerance of trees in a lowland temperate rain forest. Journal of Ecology, 2009, 97, 685-695.	4.0	68
85	Quantifying variation in forest disturbance, and its effects on aboveground biomass dynamics, across the eastern <scp>U</scp>nited <scp>S</scp>tates. Global Change Biology, 2013, 19, 1504-1517.	9.5	67
86	The functional role of biodiversity in the context of global change. , 2014, , 195-238.		67
87	Challenges to the generality of WBE theory. Trends in Ecology and Evolution, 2006, 21, 593-596.	8.7	65
88	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
89	Size-Specific Tree Mortality Varies with Neighbourhood Crowding and Disturbance in a Montane Nothofagus Forest. PLoS ONE, 2011, 6, e26670.	2.5	63
90	Scaling of tree vascular transport systems along gradients of nutrient supply and altitude. Biology Letters, 2007, 3, 87-90.	2.3	61

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91	IDENTIFYING AGGREGATION AND ASSOCIATION IN FULLY MAPPED SPATIAL DATA. Ecology, 1999, 80, 554-565.	3.2	59
92	Estimating the wood density of species for carbon stock assessments. Methods in Ecology and Evolution, 2011, 2, 214-220.	5.2	59
93	Growthâ€“size scaling relationships of woody plant species differ from predictions of the Metabolic Ecology Model. Ecology Letters, 2007, 10, 889-901.	6.4	58
94	Forest soils in France are sequestering substantial amounts of carbon. Science of the Total Environment, 2017, 574, 616-628.	8.0	58
95	Identifying the tree species compositions that maximize ecosystem functioning in European forests. Journal of Applied Ecology, 2019, 56, 733-744.	4.0	58
96	Seed mass and nutrient content in nutrient-starved tropical rainforest in Venezuela. Seed Science Research, 1997, 7, 269-280.	1.7	57
97	Soil drainage and phosphorus depletion contribute to retrogressive succession along a New Zealand chronosequence. Plant and Soil, 2013, 367, 77-91.	3.7	56
98	How spatial structure alters population and community dynamics in a natural plant community. Journal of Ecology, 2007, 95, 79-89.	4.0	54
99	Testing the Metabolic Scaling Theory of tree growth. Journal of Ecology, 2009, 97, 1369-1373.	4.0	54
100	Biodiversity Mapping in a Tropical West African Forest with Airborne Hyperspectral Data. PLoS ONE, 2014, 9, e97910.	2.5	54
101	Individual Tree Species Classification From Airborne Multisensor Imagery Using Robust PCA. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2554-2567.	4.9	53
102	Riparian reserves help protect forest bird communities in oil palm dominated landscapes. Journal of Applied Ecology, 2018, 55, 2744-2755.	4.0	53
103	Resistance and resilience of New Zealand tree species to browsing. Journal of Ecology, 2007, 95, 1014-1026.	4.0	47
104	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
105	Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. Biogeosciences, 2018, 15, 3811-3830.	3.3	47
106	Do leaves of plants on phosphorusâ€impoverished soils contain high concentrations of phenolic defence compounds?. Functional Ecology, 2010, 24, 52-61.	3.6	46
107	Impacts of culling and exclusion of browsers on vegetation recovery across New Zealand forests. Biological Conservation, 2012, 153, 64-71.	4.1	46
108	Accurate Measurement of Tropical Forest Canopy Heights and Aboveground Carbon Using Structure From Motion. Remote Sensing, 2019, 11, 928.	4.0	46

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109	Trends in entropy production during ecosystem development in the Amazon Basin. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1437-1447.	4.0	44
110	Larger fragments have more lateâ€successional species of woody plants than smaller fragments after 50 years of secondary succession. Journal of Ecology, 2019, 107, 582-594.	4.0	43
111	Monocot Leaves are Eaten Less than Dicot Leaves in Tropical Lowland Rain Forests: Correlations with Toughness and Leaf Presentation. Annals of Botany, 2008, 101, 1379-1389.	2.9	41
112	Airborne LiDAR Detects Selectively Logged Tropical Forest Even in an Advanced Stage of Recovery. Remote Sensing, 2015, 7, 8348-8367.	4.0	41
113	Blind image fusion for hyperspectral imaging with the directional total variation. Inverse Problems, 2018, 34, 044003.	2.0	40
114	Neighbour identity hardly affects litter-mixture effects on decomposition rates of New Zealand forest species. Oecologia, 2010, 162, 479-489.	2.0	39
115	3D Segmentation of Trees Through a Flexible Multiclass Graph Cut Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 754-776.	6.3	39
116	Are differences in seed mass among species important in structuring plant communities? Evidence from analyses of spatial and temporal variation in dune-annual populations. Oikos, 2002, 96, 421-432.	2.7	38
117	Soil nutrient supply modulates temperatureâ€induction cues in mastâ€seeding grasses. Ecology, 2012, 93, 462-469.	3.2	38
118	Enhancing of accuracy assessment for forest above-ground biomass estimates obtained from remote sensing via hypothesis testing and overfitting evaluation. Ecological Modelling, 2017, 366, 15-26.	2.5	38
119	The World's Tallest Tropical Tree in Three Dimensions. Frontiers in Forests and Global Change, 2019, 2, .	2.3	38
120	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. Remote Sensing of Environment, 2021, 252, 112122.	11.0	38
121	Tree fern trunks facilitate seedling regeneration in a productive lowland temperate rain forest. Oecologia, 2008, 155, 325-335.	2.0	37
122	Global change and Mediterranean forests: current impacts and potential responses. , 2014, , 47-76.		37
123	Extreme and Highly Heterogeneous Microclimates in Selectively Logged Tropical Forests. Frontiers in Forests and Global Change, 2018, 1, .	2.3	37
124	Imaging spectroscopy reveals the effects of topography and logging on the leaf chemistry of tropical forest canopy trees. Global Change Biology, 2020, 26, 989-1002.	9.5	37
125	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. Ecology and Evolution, 2016, 6, 4004-4017.	1.9	34
126	A Research Agenda for Microclimate Ecology in Human-Modified Tropical Forests. Frontiers in Forests and Global Change, 2020, 2, .	2.3	33

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127	Evolution of the climatic niche in scaly tree ferns (Cyatheaceae, Polypodiopsida). Botanical Journal of the Linnean Society, 2011, 165, 1-19.	1.6	32
128	The more stems the merrier: advantages of multiâ€stemmed architecture for the demography of understorey trees in a temperate broadleaf woodland. Journal of Ecology, 2012, 100, 171-183.	4.0	32
129	Nationally Representative Plot Network Reveals Contrasting Drivers of Net Biomass Change in Secondary and Old-Growth Forests. Ecosystems, 2017, 20, 944-959.	3.4	32
130	Unconditional Transfers and Tropical Forest Conservation: Evidence from a Randomized Control Trial in Sierra Leone. American Journal of Agricultural Economics, 2019, 101, 894-918.	4.3	32
131	Assessing the impacts of fragmentation on plant communities in New Zealand: scaling from survey plots to landscapes. Global Ecology and Biogeography, 2010, 19, 741-754.	5.8	31
132	Synergistic use of Landsat 8 OLI image and airborne LiDAR data for above-ground biomass estimation in tropical lowland rainforests. Forest Ecology and Management, 2017, 406, 163-171.	3.2	31
133	Evaluating the potential of fullâ€waveform lidar for mapping panâ€tropical tree species richness. Global Ecology and Biogeography, 2020, 29, 1799-1816.	5.8	31
134	Recovery of logged forest fragments in a human-modified tropical landscape during the 2015-16 El NiÃ±o. Nature Communications, 2021, 12, 1526.	12.8	31
135	Maximizing the value of forest restoration for tropical mammals by detecting three-dimensional habitat associations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26254-26262.	7.1	30
136	Plant movements and climate warming: intraspecific variation in growth responses to nonlocal soils. New Phytologist, 2014, 202, 431-441.	7.3	29
137	Characterizing and Evaluating Integrated Landscape Initiatives. One Earth, 2020, 2, 174-187.	6.8	29
138	The giant trees of the Amazon basin. Frontiers in Ecology and the Environment, 2019, 17, 373-374.	4.0	28
139	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	12.8	28
140	The motion of trees in the wind: a data synthesis. Biogeosciences, 2021, 18, 4059-4072.	3.3	28
141	Temperate and Tropical Podocarps: How Ecologically Alike Are They?. Smithsonian Contributions To Botany, 2011, , 119-140.	0.7	28
142	Title is missing!. Plant Ecology, 2002, 163, 23-38.	1.6	27
143	What drives retrogressive succession? Plant strategies to tolerate infertile and poorly drained soils. Functional Ecology, 2010, 24, 714-722.	3.6	27
144	Tropical nature reserves are losing their buffer zones, but leakage is not to blame. Environmental Research, 2016, 147, 580-589.	7.5	27

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145	Resilience of Spanish forests to recent droughts and climate change. Global Change Biology, 2020, 26, 7079-7098.	9.5	27
146	Riparian buffers act as microclimatic refugia in oil palm landscapes. Journal of Applied Ecology, 2021, 58, 431-442.	4.0	27
147	Pantropical variability in tree crown allometry. Global Ecology and Biogeography, 2021, 30, 459-475.	5.8	27
148	Long-term tree fern dynamics linked to disturbance and shade tolerance. Journal of Vegetation Science, 2011, 22, 72-84.	2.2	26
149	Comment on â€œPlant Species Richness and Ecosystem Multifunctionality in Global Drylandsâ€• Science, 2012, 337, 155-155.	12.6	26
150	Centuryâ€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
151	Partial river flow recovery with forest age is rare in the decades following establishment. Global Change Biology, 2020, 26, 1458-1473.	9.5	26
152	Resource availability and disturbance shape maximum tree height across the Amazon. Global Change Biology, 2021, 27, 177-189.	9.5	26
153	The impact of logging on vertical canopy structure across a gradient of tropical forest degradation intensity in Borneo. Journal of Applied Ecology, 2021, 58, 1764-1775.	4.0	26
154	Modelling above-ground carbon dynamics using multi-temporal airborne lidar: insights from a Mediterranean woodland. Biogeosciences, 2016, 13, 961-973.	3.3	25
155	Herbivory and plant competition reduce mountain beech seedling growth and establishment in New Zealand. Plant Ecology, 2006, 183, 245-256.	1.6	24
156	Differential responses of vertebrate and invertebrate herbivores to traits of New Zealand subalpine shrubs. Ecology, 2011, 92, 994-999.	3.2	24
157	Detecting and projecting changes in forest biomass from plot data. , 2014, , 381-416.		24
158	Leech bloodâ€meal invertebrateâ€derived DNA reveals differences in Bornean mammal diversity across habitats. Molecular Ecology, 2021, 30, 3299-3312.	3.9	24
159	Tallo: A global tree allometry and crown architecture database. Global Change Biology, 2022, 28, 5254-5268.	9.5	24
160	Remotely sensed indicators of forest conservation status: Case study from a Natura 2000 site in southern Portugal. Ecological Indicators, 2013, 24, 636-647.	6.3	23
161	A general combined model to describe treeâ€diameter distributions within subtropical and temperate forest communities. Oikos, 2013, 122, 1636-1642.	2.7	22
162	An Alternative Approach to Using LiDAR Remote Sensing Data to Predict Stem Diameter Distributions across a Temperate Forest Landscape. Remote Sensing, 2017, 9, 944.	4.0	22

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163	A simple approach to forest structure classification using airborne laser scanning that can be adopted across bioregions. Forest Ecology and Management, 2019, 433, 111-121.	3.2	22
164	Carbon flux and forest dynamics: Increased deadwood decomposition in tropical rainforest treeâ€fall canopy gaps. Global Change Biology, 2021, 27, 1601-1613.	9.5	22
165	Mapping community change in modified landscapes. Biological Conservation, 2009, 142, 2872-2880.	4.1	21
166	Nitrous oxide emissions from sugarcane fields in the Brazilian Cerrado. Agriculture, Ecosystems and Environment, 2017, 246, 55-65.	5.3	21
167	Good things take timeâ€"Diversity effects on tree growth shift from negative to positive during stand development in boreal forests. Journal of Ecology, 2020, 108, 2198-2211.	4.0	21
168	The mechanical stability of the worldâ€™s tallest broadleaf trees. Biotropica, 2021, 53, 110-120.	1.6	20
169	Response to Comment on "A Brief History of Seed Size". Science, 2005, 310, 783.2-783.	12.6	19
170	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
171	Detecting the fingerprint of drought across Europeâ€™s forests: do carbon isotope ratios and stem growth rates tell similar stories?. Forest Ecosystems, 2017, 4, .	3.1	19
172	Densities of Bornean orangâ€utans (Pongo pygmaeus morio) in heavily degraded forest and oil palm plantations in Sabah, Borneo. American Journal of Primatology, 2019, 81, e23030.	1.7	19
173	Taylor's law and related allometric power laws in New Zealand mountain beech forests: the roles of space, time and environment. Oikos, 2016, 125, 1342-1357.	2.7	18
174	On the challenges of using field spectroscopy to measure the impact of soil type on leaf traits. Biogeosciences, 2017, 14, 3371-3385.	3.3	18
175	Mapping Aboveground Carbon in Oil Palm Plantations Using LiDAR: A Comparison of Tree-Centric versus Area-Based Approaches. Remote Sensing, 2017, 9, 816.	4.0	18
176	The distribution of plants and seed dispersers in response to habitat fragmentation in an artificial island archipelago. Journal of Biogeography, 2019, 46, 1152-1162.	3.0	18
177	Arbuscular mycorrhizal inoculum potential: a mechanism promoting positive diversityâ€"invasibility relationships in mountain beech forests in New Zealand?. Mycorrhiza, 2011, 21, 309-314.	2.8	17
178	A Comparison of Novel Optical Remote Sensing-Based Technologies for Forest-Cover/Change Monitoring. Remote Sensing, 2015, 7, 2781-2807.	4.0	17
179	Airborne laser scanning of natural forests in New Zealand reveals the influences of wind on forest carbon. Forest Ecosystems, 2018, 5, .	3.1	17
180	Assessing the Progress of REDD+ Projects towards the Sustainable Development Goals. Forests, 2018, 9, 589.	2.1	17

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181	Dynamics of a humanâ€modified tropical peat swamp forest revealed by repeat lidar surveys. Global Change Biology, 2020, 26, 3947-3964.	9.5	17
182	Disturbance affects short-term facilitation, but not long-term saturation, of exotic plant invasion in New Zealand forest. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1457-1466.	2.6	16
183	Overstorey and topographic effects on understories: Evidence for linkage from cork oak (Quercus) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	16
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