

J Hans C Cornelissen

List of Publications by Year in descending order

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Version: 2024-02-01

178
papers

33,346
citations

13865

67
h-index

4117

175
g-index

184
all docs

184
docs citations

184
times ranked

24981
citing authors

#	ARTICLE	IF	CITATIONS
1	Great granny still ruling from the grave: Phenotypical response of plant performance and seed functional traits to salt stress affects multiple generations of a halophyte. <i>Journal of Ecology</i> , 2022, 110, 117-128.	4.0	10
2	Litter nitrogen concentration changes mediate effects of drought and plant species richness on litter decomposition. <i>Oecologia</i> , 2022, 198, 507-518.	2.0	2
3	Long-term legacies of seasonal extremes in Arctic ecosystem functioning. <i>Global Change Biology</i> , 2022, 28, 3161-3162.	9.5	3
4	Winters are changing: snow effects on Arctic and alpine tundra ecosystems. <i>Arctic Science</i> , 2022, 8, 572-608.	2.3	43
5	Plant diversity has stronger linkage with soil fungal diversity than with bacterial diversity across grasslands of northern China. <i>Global Ecology and Biogeography</i> , 2022, 31, 886-900.	5.8	20
6	Patterns of free amino acids in tundra soils reflect mycorrhizal type, shrubification, and warming. <i>Mycorrhiza</i> , 2022, 32, 305-313.	2.8	2
7	Stem Trait Spectra Underpin Multiple Functions of Temperate Tree Species. <i>Frontiers in Plant Science</i> , 2022, 13, 769551.	3.6	9
8	Contrasting nitrogen cycling between herbaceous wetland and terrestrial ecosystems inferred from plant and soil nitrogen isotopes across China. <i>Journal of Ecology</i> , 2022, 110, 1259-1270.	4.0	3
9	Stem traits, compartments and tree species affect fungal communities on decaying wood. <i>Environmental Microbiology</i> , 2022, 24, 3625-3639.	3.8	4
10	Net plant interactions are highly variable and weakly dependent on climate at the global scale. <i>Ecology Letters</i> , 2022, 25, 1580-1593.	6.4	17
11	Tree species with conservative foliar nutrient status and strong phosphorus homeostasis are regionally abundant in subtropical forests. <i>Journal of Ecology</i> , 2022, 110, 1497-1507.	4.0	3
12	Explanations for nitrogen decline. <i>Science</i> , 2022, 376, 1169-1170.	12.6	4
13	High exposure of global tree diversity to human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
14	Size matters for linking traits to ecosystem multifunctionality. <i>Trends in Ecology and Evolution</i> , 2022, 37, 803-813.	8.7	5
15	Snow roots: Where are they and what are they for?. <i>Ecology</i> , 2021, 102, e03255.	3.2	0
16	Allometry rather than abiotic drivers explains biomass allocation among leaves, stems and roots of <i>Artemisia</i> across a large environmental gradient in China. <i>Journal of Ecology</i> , 2021, 109, 1026-1040.	4.0	24
17	Global root traits (GRooT) database. <i>Global Ecology and Biogeography</i> , 2021, 30, 25-37.	5.8	90
18	Abundance-weighted plant functional trait variation differs between terrestrial and wetland habitats along wide climatic gradients. <i>Science China Life Sciences</i> , 2021, 64, 593-605.	4.9	7

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19	Towards ecological science for all by all. <i>Journal of Applied Ecology</i> , 2021, 58, 206-213.	4.0	7
20	Climatic and evolutionary contexts are required to infer plant life history strategies from functional traits at a global scale. <i>Ecology Letters</i> , 2021, 24, 970-983.	6.4	19
21	Functional rarity and evenness are key facets of biodiversity to boost multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	46
22	Dynamic feedbacks among tree functional traits, termite populations and deadwood turnover. <i>Journal of Ecology</i> , 2021, 109, 1578-1590.	4.0	12
23	The effect of plant size and branch traits on rainfall interception of 10 temperate tree species. <i>Ecohydrology</i> , 2021, 14, e2349.	2.4	4
24	New field wind manipulation methodology reveals adaptive responses of steppe plants to increased and reduced wind speed. <i>Plant Methods</i> , 2021, 17, 5.	4.3	9
25	Global patterns of potential future plant diversity hidden in soil seed banks. <i>Nature Communications</i> , 2021, 12, 7023.	12.8	32
26	TRY plant trait database " enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
27	Non-negligible contribution of subordinates in community-level litter decomposition: Deciduous trees in an evergreen world. <i>Journal of Ecology</i> , 2020, 108, 1713-1724.	4.0	4
28	Nutrient Resorption from Leaves of Wetland Plants in a Constructed Wetland Depends on Green Leaf Nutrient Content and Life Form. <i>Wetlands</i> , 2020, 40, 983-991.	1.5	2
29	Invertebrate phenology modulates the effect of the leaf economics spectrum on litter decomposition rate across 41 subtropical woody plant species. <i>Functional Ecology</i> , 2020, 34, 735-746.	3.6	9
30	Variation in plant leaf traits affects transmission and detectability of herbivore vibrational cues. <i>Ecology and Evolution</i> , 2020, 10, 12277-12289.	1.9	11
31	Small-scale switch in cover-perimeter relationships of patches indicates shift of dominant species during grassland degradation. <i>Journal of Plant Ecology</i> , 2020, 13, 704-712.	2.3	10
32	Plant community flood resilience in intensively managed grasslands and the role of the plant economic spectrum. <i>Journal of Applied Ecology</i> , 2020, 57, 1524-1534.	4.0	13
33	Allometric covariation of xylem and stomata across diverse woody seedlings. <i>Plant, Cell and Environment</i> , 2020, 43, 2301-2310.	5.7	13
34	Living Litter: Dynamic Trait Spectra Predict Fauna Composition. <i>Trends in Ecology and Evolution</i> , 2020, 35, 886-896.	8.7	43
35	Methodology matters for comparing coarse wood and bark decay rates across tree species. <i>Methods in Ecology and Evolution</i> , 2020, 11, 828-838.	5.2	14
36	Multiple abiotic and biotic drivers of long-term wood decomposition within and among species in the semi-arid inland dunes: A dual role for stem diameter. <i>Functional Ecology</i> , 2020, 34, 1472-1484.	3.6	14

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37	Assessing the reliability of predicted plant trait distributions at the global scale. <i>Global Ecology and Biogeography</i> , 2020, 29, 1034-1051.	5.8	36
38	Simulating functional diversity of European natural forests along climatic gradients. <i>Journal of Biogeography</i> , 2020, 47, 1069-1085.	3.0	19
39	Association of leaf silicon content with chronic wind exposure across and within herbaceous plant species. <i>Global Ecology and Biogeography</i> , 2020, 29, 711-721.	5.8	5
40	Can flooding-induced greenhouse gas emissions be mitigated by trait-based plant species choice?. <i>Science of the Total Environment</i> , 2020, 727, 138476.	8.0	12
41	Complexity revealed in the greening of the Arctic. <i>Nature Climate Change</i> , 2020, 10, 106-117.	18.8	447
42	Winter cover crop legacy effects on litter decomposition act through litter quality and microbial community changes. <i>Journal of Applied Ecology</i> , 2019, 56, 132-143.	4.0	45
43	Global change effects on plant communities are magnified by time and the number of global change factors imposed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17867-17873.	7.1	141
44	Traits including leaf dry matter content and leaf pH dominate over forest soil pH as drivers of litter decomposition among 60 species. <i>Functional Ecology</i> , 2019, 33, 1798-1810.	3.6	34
45	<i>Phragmites australis</i> meets <i>Suaeda salsa</i> on the "erred beach": Effects of an ecosystem engineer on salt-marsh litter decomposition. <i>Science of the Total Environment</i> , 2019, 693, 133477.	8.0	17
46	Robustness of trait connections across environmental gradients and growth forms. <i>Global Ecology and Biogeography</i> , 2019, 28, 1806-1826.	5.8	56
47	Leaf economics and plant hydraulics drive leaf : wood area ratios. <i>New Phytologist</i> , 2019, 224, 1544-1556.	7.3	77
48	Responses of community structure and diversity to nitrogen deposition and rainfall addition in contrasting steppes are ecosystem-dependent and dwarfed by year-to-year community dynamics. <i>Annals of Botany</i> , 2019, 124, 461-469.	2.9	8
49	Effects of Epixylic Vegetation Removal on the Dynamics of the Microbial Community Composition in Decaying Logs in an Alpine Forest. <i>Ecosystems</i> , 2019, 22, 1478-1496.	3.4	13
50	Similar Growth Performance but Contrasting Biomass Allocation of Root-Flooded Terrestrial Plant <i>Alternanthera philoxeroides</i> (Mart.) Griseb. in Response to Nutrient Versus Dissolved Oxygen Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 111.	3.6	9
51	Nitrogen transfer from one plant to another depends on plant biomass production between conspecific and heterospecific species via a common arbuscular mycorrhizal network. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8828-8837.	5.3	30
52	Convergent xylem widening among organs across diverse woody seedlings. <i>New Phytologist</i> , 2019, 222, 1873-1882.	7.3	11
53	Sixteen years of simulated summer and winter warming have contrasting effects on soil mite communities in a sub-Arctic peat bog. <i>Polar Biology</i> , 2019, 42, 581-591.	1.2	9
54	Leaf and root nutrient concentrations and stoichiometry along aridity and soil fertility gradients. <i>Journal of Vegetation Science</i> , 2019, 30, 291-300.	2.2	18

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55	Non-additive effects of leaf and twig mixtures from different tree species on experimental litter-bed flammability. <i>Plant and Soil</i> , 2019, 436, 311-324.	3.7	18
56	Functional evenness of N-to-P ratios of evergreen-deciduous mixtures predicts positive non-additive effect on leaf litter decomposition. <i>Plant and Soil</i> , 2019, 436, 299-309.	3.7	8
57	Experimental sand burial and precipitation enhancement alter plant and soil carbon allocation in a semi-arid steppe in north China. <i>Science of the Total Environment</i> , 2019, 651, 3099-3106.	8.0	7
58	Inter- and intraspecific variation in leaf economic traits in wheat and maize. <i>AoB PLANTS</i> , 2018, 10, ply006.	2.3	31
59	Advances in flowering phenology across the Northern Hemisphere are explained by functional traits. <i>Global Ecology and Biogeography</i> , 2018, 27, 310-321.	5.8	77
60	Symbiont switching and alternative resource acquisition strategies drive mutualism breakdown. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5229-5234.	7.1	90
61	The cover uncovered: Bark control over wood decomposition. <i>Journal of Ecology</i> , 2018, 106, 2147-2160.	4.0	45
62	Specific leaf area predicts dryland litter decomposition via two mechanisms. <i>Journal of Ecology</i> , 2018, 106, 218-229.	4.0	52
63	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. <i>Ecology Letters</i> , 2018, 21, 31-42.	6.4	74
64	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	7.8	397
65	Tundra Trait Team: A database of plant traits spanning the tundra biome. <i>Global Ecology and Biogeography</i> , 2018, 27, 1402-1411.	5.8	57
66	A methodology to derive global maps of leaf traits using remote sensing and climate data. <i>Remote Sensing of Environment</i> , 2018, 218, 69-88.	11.0	104
67	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	27.8	451
68	Climate and soils together regulate photosynthetic carbon isotope discrimination within C_3 plants worldwide. <i>Global Ecology and Biogeography</i> , 2018, 27, 1056-1067.	5.8	85
69	Phylogenetic patterns and phenotypic profiles of the species of plants and mammals farmed for food. <i>Nature Ecology and Evolution</i> , 2018, 2, 1808-1817.	7.8	59
70	Towards global data products of Essential Biodiversity Variables on species traits. <i>Nature Ecology and Evolution</i> , 2018, 2, 1531-1540.	7.8	163
71	Changes in quantity rather than palatability of alpine meadow species induce cascading effects of long-term nitrogen fertilization on phytophagous insect abundance. <i>Journal of Vegetation Science</i> , 2018, 29, 867-876.	2.2	3
72	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786.	5.8	289

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73	Shifts in priming partly explain impacts of long-term nitrogen input in different chemical forms on soil organic carbon storage. <i>Global Change Biology</i> , 2018, 24, 4160-4172.	9.5	24
74	Multiple facets of biodiversity drive the diversity-stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	7.8	296
75	Tree Sapling Responses to 10 Years of Experimental Manipulation of Temperature, Nutrient Availability, and Shrub Cover at the Pyrenean Treeline. <i>Frontiers in Plant Science</i> , 2018, 9, 1871.	3.6	13
76	Litter for life: assessing the multifunctional legacy of plant traits. <i>Journal of Ecology</i> , 2017, 105, 1163-1168.	4.0	42
77	Taxonomic effect on plant base concentrations and stoichiometry at the tips of the phylogeny prevails over environmental effect along a large scale gradient. <i>Oikos</i> , 2017, 126, 1241-1249.	2.7	6
78	How interacting fungal species and mineral nitrogen inputs affect transfer of nitrogen from litter via arbuscular mycorrhizal mycelium. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9791-9801.	5.3	13
79	Climate, soil and plant functional types as drivers of global fine-root trait variation. <i>Journal of Ecology</i> , 2017, 105, 1182-1196.	4.0	234
80	Behavioural, ecological and evolutionary responses to extreme climatic events: challenges and directions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160134.	4.0	122
81	Biodiversity-ecosystem function relationships change through primary succession. <i>Oikos</i> , 2017, 126, 1637-1649.	2.7	37
82	Do shallow soil, low water availability, or their combination increase the competition between grasses with different root systems in karst soil?. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10640-10651.	5.3	30
83	Scaling up flammability from individual leaves to fuel beds. <i>Oikos</i> , 2017, 126, 1428-1438.	2.7	45
84	Are litter decomposition and fire linked through plant species traits?. <i>New Phytologist</i> , 2017, 216, 653-669.	7.3	50
85	Mapping local and global variability in plant trait distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10937-E10946.	7.1	159
86	A test of the hierarchical model of litter decomposition. <i>Nature Ecology and Evolution</i> , 2017, 1, 1836-1845.	7.8	172
87	Towards a thesaurus of plant characteristics: an ecological contribution. <i>Journal of Ecology</i> , 2017, 105, 298-309.	4.0	114
88	A global method for calculating plant CSR ecological strategies applied across biomes worldwide. <i>Functional Ecology</i> , 2017, 31, 444-457.	3.6	330
89	Faunal community consequence of interspecific bark trait dissimilarity in early-stage decomposing logs. <i>Functional Ecology</i> , 2016, 30, 1957-1966.	3.6	31
90	Responsiveness of performance and morphological traits to experimental submergence predicts field distribution pattern of wetland plants. <i>Journal of Vegetation Science</i> , 2016, 27, 340-351.	2.2	12

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91	Linking performance trait stability with species distribution: the case of <i>Artemisia</i> and its close relatives in northern China. <i>Journal of Vegetation Science</i> , 2016, 27, 123-132.	2.2	6
92	Patterns of natural fungal community assembly during initial decay of coniferous and broadleaf tree logs. <i>Ecosphere</i> , 2016, 7, e01393.	2.2	38
93	Strong but diverging clonality - climate relationships of different plant clades explain weak overall pattern across China. <i>Scientific Reports</i> , 2016, 6, 26850.	3.3	5
94	Reinforcing loose foundation stones in trait-based plant ecology. <i>Oecologia</i> , 2016, 180, 923-931.	2.0	335
95	Does plant size affect growth responses to water availability at glacial, modern and future CO ₂ concentrations?. <i>Ecological Research</i> , 2016, 31, 213-227.	1.5	8
96	Plant functional traits have globally consistent effects on competition. <i>Nature</i> , 2016, 529, 204-207.	27.8	655
97	The global spectrum of plant form and function. <i>Nature</i> , 2016, 529, 167-171.	27.8	2,022
98	Functional Resilience against Climate-Driven Extinctions – Comparing the Functional Diversity of European and North American Tree Floras. <i>PLoS ONE</i> , 2016, 11, e0148607.	2.5	19
99	Termites amplify the effects of wood traits on decomposition rates among multiple bamboo and dicot woody species. <i>Journal of Ecology</i> , 2015, 103, 1214-1223.	4.0	38
100	Quantitative assessment of the differential impacts of arbuscular and ectomycorrhiza on soil carbon cycling. <i>New Phytologist</i> , 2015, 208, 280-293.	7.3	142
101	Simple measures of climate, soil properties and plant traits predict national-scale grassland soil carbon stocks. <i>Journal of Applied Ecology</i> , 2015, 52, 1188-1196.	4.0	79
102	Decadal warming causes a consistent and persistent shift from heterotrophic to autotrophic respiration in contrasting permafrost ecosystems. <i>Global Change Biology</i> , 2015, 21, 4508-4519.	9.5	81
103	Contrasting effects of tree diversity on young tree growth and resistance to insect herbivores across three biodiversity experiments. <i>Oikos</i> , 2015, 124, 1674-1685.	2.7	64
104	Evolutionary Position and Leaf Toughness Control Chemical Transformation of Litter, and Drought Reinforces This Control: Evidence from a Common Garden Experiment across 48 Species. <i>PLoS ONE</i> , 2015, 10, e0143140.	2.5	6
105	Larger phylogenetic distances in litter mixtures: lower microbial biomass and higher C/N ratios but equal mass loss. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150103.	2.6	16
106	Integrated plant phenotypic responses to contrasting above- and below-ground resources: key roles of specific leaf area and root mass fraction. <i>New Phytologist</i> , 2015, 206, 1247-1260.	7.3	261
107	Inclusion of ecologically based trait variation in plant functional types reduces the projected land carbon sink in an earth system model. <i>Global Change Biology</i> , 2015, 21, 3074-3086.	9.5	94
108	Impact of land-use on carbon storage as dependent on soil texture: Evidence from a desertified dryland using repeated paired sampling design. <i>Journal of Environmental Management</i> , 2015, 150, 489-498.	7.8	8

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109	Untangling interacting mechanisms of seed mass variation with elevation: insights from the comparison of inter-specific and intra-specific studies on eastern Tibetan angiosperm species. <i>Plant Ecology</i> , 2015, 216, 283-292.	1.6	13
110	Temperate forest and open landscapes are distinct alternative states as reflected in canopy height and tree cover. <i>Trends in Ecology and Evolution</i> , 2015, 30, 501-502.	8.7	8
111	Geographic pattern and effects of climate and taxonomy on nonstructural carbohydrates of <i>Artemisia</i> species and their close relatives across northern China. <i>Biogeochemistry</i> , 2015, 125, 337-348.	3.5	6
112	Decomposition of 51 semidesert species from wide-ranging phylogeny is faster in standing and sand-buried than in surface leaf litters: implications for carbon and nutrient dynamics. <i>Plant and Soil</i> , 2015, 396, 175-187.	3.7	27
113	C:N:P stoichiometry of <i>Artemisia</i> species and close relatives across northern China: unravelling effects of climate, soil and taxonomy. <i>Journal of Ecology</i> , 2015, 103, 1020-1031.	4.0	74
114	Burn or rot: leaf traits explain why flammability and decomposability are decoupled across species. <i>Functional Ecology</i> , 2015, 29, 1486-1497.	3.6	91
115	Interactions between Fine Wood Decomposition and Flammability. <i>Forests</i> , 2014, 5, 827-846.	2.1	18
116	Plant traits and ecosystem effects of clonality: a new research agenda. <i>Annals of Botany</i> , 2014, 114, 369-376.	2.9	76
117	Understanding the ecosystem implications of the angiosperm rise to dominance: leaf litter decomposability among magnoliids and other basal angiosperms. <i>Journal of Ecology</i> , 2014, 102, 337-344.	4.0	17
118	Winter climate change, plant traits and nutrient and carbon cycling in cold biomes. <i>Ecological Research</i> , 2014, 29, 517-527.	1.5	28
119	Digging deep to open the white black box of snow root phenology. <i>Ecological Research</i> , 2014, 29, 529-534.	1.5	9
120	The Tree of Life in ecosystems: evolution of plant effects on carbon and nutrient cycling. <i>Journal of Ecology</i> , 2014, 102, 269-274.	4.0	22
121	Which is a better predictor of plant traits: temperature or precipitation?. <i>Journal of Vegetation Science</i> , 2014, 25, 1167-1180.	2.2	323
122	Management, winter climate and plant-soil feedbacks on ski slopes: a synthesis. <i>Ecological Research</i> , 2014, 29, 583-592.	1.5	20
123	Why trees and shrubs but rarely trubs?. <i>Trends in Ecology and Evolution</i> , 2014, 29, 433-434.	8.7	46
124	Global relationship of wood and leaf litter decomposability: the role of functional traits within and across plant organs. <i>Global Ecology and Biogeography</i> , 2014, 23, 1046-1057.	5.8	136
125	Long-term vegetation dynamic in the Northwestern Caucasus: which communities are more affected by upward shifts of plant species?. <i>Alpine Botany</i> , 2013, 123, 77-85.	2.4	22
126	A broader perspective on plant domestication and nutrient and carbon cycling. <i>New Phytologist</i> , 2013, 198, 331-333.	7.3	12

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127	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. <i>New Phytologist</i> , 2013, 198, 252-263.	7.3	124
128	Functional traits predict relationship between plant abundance dynamic and long-term climate warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18180-18184.	7.1	174
129	Abiotic drivers and plant traits explain landscape-scale patterns in soil microbial communities. <i>Ecology Letters</i> , 2012, 15, 1230-1239.	6.4	511
130	A rediscovered treasure: mycorrhizal intensity database for 3000 vascular plant species across the former Soviet Union. <i>Ecology</i> , 2012, 93, 689-690.	3.2	113
131	Controls on Coarse Wood Decay in Temperate Tree Species: Birth of the LOGLIFE Experiment. <i>Ambio</i> , 2012, 41, 231-245.	5.5	92
132	Plot-scale evidence of tundra vegetation change and links to recent summer warming. <i>Nature Climate Change</i> , 2012, 2, 453-457.	18.8	745
133	Soil nutrient patchiness and plant genotypes interact on the production potential and decomposition of root and shoot litter: evidence from short-term laboratory experiments with <i>Triticum aestivum</i> . <i>Plant and Soil</i> , 2012, 353, 145-154.	3.7	14
134	Interspecific differences in wood decay rates: insights from a new short-term method to study long-term wood decomposition. <i>Journal of Ecology</i> , 2012, 100, 161-170.	4.0	136
135	Species traits and their non-additive interactions control the water economy of bryophyte cushions. <i>Journal of Ecology</i> , 2012, 100, 222-231.	4.0	44
136	A plant economics spectrum of litter decomposability. <i>Functional Ecology</i> , 2012, 26, 56-65.	3.6	312
137	Arctic warming on two continents has consistent negative effects on lichen diversity and mixed effects on bryophyte diversity. <i>Global Change Biology</i> , 2012, 18, 1096-1107.	9.5	113
138	Different inter-annual responses to availability and form of nitrogen explain species coexistence in an alpine meadow community after release from grazing. <i>Global Change Biology</i> , 2012, 18, 3100-3111.	9.5	50
139	Multiple mechanisms for trait effects on litter decomposition: moving beyond home-field advantage with a new hypothesis. <i>Journal of Ecology</i> , 2012, 100, 619-630.	4.0	205
140	Reservations about preservations: storage methods affect $\delta^{13}C$ signatures differently even in closely related soil fauna. <i>Methods in Ecology and Evolution</i> , 2012, 3, 138-144.	5.2	28
141	Global patterns of leaf mechanical properties. <i>Ecology Letters</i> , 2011, 14, 301-312.	6.4	418
142	Global to community scale differences in the prevalence of convergent over divergent leaf trait distributions in plant assemblages. <i>Global Ecology and Biogeography</i> , 2011, 20, 755-765.	5.8	106
143	Leaf pH as a plant trait: species-driven rather than soil-driven variation. <i>Functional Ecology</i> , 2011, 25, 449-455.	3.6	52
144	A Race for Space? How <i>Sphagnum fuscum</i> stabilizes vegetation composition during long-term climate manipulations. <i>Global Change Biology</i> , 2011, 17, 2162-2171.	9.5	48

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145	How do bryophytes govern generative recruitment of vascular plants?. <i>New Phytologist</i> , 2011, 190, 1019-1031.	7.3	96
146	Towards an assessment of multiple ecosystem processes and services via functional traits. <i>Biodiversity and Conservation</i> , 2010, 19, 2873-2893.	2.6	759
147	Substantial nutrient resorption from leaves, stems and roots in a subarctic flora: what is the link with other resource economics traits?. <i>New Phytologist</i> , 2010, 186, 879-889.	7.3	175
148	Evidence of the "plant economics spectrum"™ in a subarctic flora. <i>Journal of Ecology</i> , 2010, 98, 362-373.	4.0	434
149	Seasonal climate manipulations result in species-specific changes in leaf nutrient levels and isotopic composition in a subarctic bog. <i>Functional Ecology</i> , 2009, 23, 680-688.	3.6	64
150	Ecosystem feedbacks and cascade processes: understanding their role in the responses of Arctic and alpine ecosystems to environmental change. <i>Global Change Biology</i> , 2009, 15, 1153-1172.	9.5	344
151	Plant traits and wood fates across the globe: rotted, burned, or consumed?. <i>Global Change Biology</i> , 2009, 15, 2431-2449.	9.5	318
152	Niche assembly of epiphytic bryophyte communities in the Guianas: a regional approach. <i>Journal of Biogeography</i> , 2009, 36, 2076-2084.	3.0	74
153	Determinants of cryptogam composition and diversity in <i>Sphagnum</i> -dominated peatlands: the importance of temporal, spatial and functional scales. <i>Journal of Ecology</i> , 2009, 97, 299-310.	4.0	45
154	An experimental comparison of chemical traits and litter decomposition rates in a diverse range of subarctic bryophyte, lichen and vascular plant species. <i>Journal of Ecology</i> , 2009, 97, 886-900.	4.0	175
155	Global meta-analysis of wood decomposition rates: a role for trait variation among tree species?. <i>Ecology Letters</i> , 2009, 12, 45-56.	6.4	394
156	Amino acid uptake among wide-ranging moss species may contribute to their strong position in higher-latitude ecosystems. <i>Plant and Soil</i> , 2008, 304, 199-208.	3.7	63
157	Plant species traits are the predominant control on litter decomposition rates within biomes worldwide. <i>Ecology Letters</i> , 2008, 11, 1065-1071.	6.4	1,913
158	Scaling environmental change through the community level: a trait-based response and effect framework for plants. <i>Global Change Biology</i> , 2008, 14, 1125-1140.	9.5	981
159	The LEDA Traitbase: a database of life-history traits of the Northwest European flora. <i>Journal of Ecology</i> , 2008, 96, 1266-1274.	4.0	1,306
160	Comparative Cryptogam Ecology: A Review of Bryophyte and Lichen Traits that Drive Biogeochemistry. <i>Annals of Botany</i> , 2007, 99, 987-1001.	2.9	369
161	Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. <i>Ecology Letters</i> , 2007, 10, 619-627.	6.4	379
162	Vascular Plant Responses to Elevated CO ₂ in a Temperate Lowland <i>Sphagnum</i> Peatland. <i>Plant Ecology</i> , 2006, 182, 13-24.	1.6	14

#	ARTICLE	IF	CITATIONS
163	Moss Responses to Elevated CO ₂ and Variation in Hydrology in a Temperate Lowland Peatland. <i>Plant Ecology</i> , 2006, 182, 27-40.	1.6	30
164	Foliar pH as a new plant trait: can it explain variation in foliar chemistry and carbon cycling processes among subarctic plant species and types?. <i>Oecologia</i> , 2006, 147, 315-326.	2.0	88
165	Assessing the generality of global leaf trait relationships. <i>New Phytologist</i> , 2005, 166, 485-496.	7.3	1,704
166	Modulation of leaf economic traits and trait relationships by climate. <i>Global Ecology and Biogeography</i> , 2005, 14, 411-421.	5.8	669
167	Biomass production, N:P ratio and nutrient limitation in a Caucasian alpine tundra plant community. <i>Journal of Vegetation Science</i> , 2005, 16, 399-406.	2.2	59
168	The impact of hemiparasitic plant litter on decomposition: direct, seasonal and litter mixing effects. <i>Journal of Ecology</i> , 2005, 93, 87-98.	4.0	70
169	Special issue "Plants and Climate Change. <i>Plant Ecology</i> , 2005, , 1.	1.6	0
170	Biomass production, N:P ratio and nutrient limitation in a Caucasian alpine tundra plant community. <i>Journal of Vegetation Science</i> , 2005, 16, 399.	2.2	3
171	Summer warming and increased winter snow cover affect <i>Sphagnum fuscum</i> growth, structure and production in a sub-arctic bog. <i>Global Change Biology</i> , 2004, 10, 93-104.	9.5	169
172	The plant traits that drive ecosystems: Evidence from three continents. <i>Journal of Vegetation Science</i> , 2004, 15, 295-304.	2.2	1,198
173	The worldwide leaf economics spectrum. <i>Nature</i> , 2004, 428, 821-827.	27.8	6,489
174	Title is missing!. <i>Plant Ecology</i> , 2003, 166, 117-129.	1.6	49
175	Leaf traits and herbivore selection in the field and in cafeteria experiments. <i>Austral Ecology</i> , 2003, 28, 642-650.	1.5	180
176	Functional traits of woody plants: correspondence of species rankings between field adults and laboratory-grown seedlings?. <i>Journal of Vegetation Science</i> , 2003, 14, 311-322.	2.2	158
177	DECOMPOSITION OF SUB-ARCTIC PLANTS WITH DIFFERING NITROGEN ECONOMIES: A FUNCTIONAL ROLE FOR HEMIPARASITES. <i>Ecology</i> , 2003, 84, 3209-3221.	3.2	156
178	Functional traits of woody plants: correspondence of species rankings between field adults and laboratory-grown seedlings?. <i>Journal of Vegetation Science</i> , 2003, 14, 311.	2.2	10