

# The global spectrum of plant form and function

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Preface: Remote Sensing of Biodiversity. <i>Remote Sensing</i> , 2016, 8, 508.	1.8	1
2	Understanding Forest Health with Remote Sensing -Part I – A Review of Spectral Traits, Processes and Remote-Sensing Characteristics. <i>Remote Sensing</i> , 2016, 8, 1029.	1.8	138
3	Co-ordination in Morphological Leaf Traits of Early Diverging Angiosperms Is Maintained Following Exposure to Experimental Palaeo-atmospheric Conditions of Sub-ambient O <sub>2</sub> and Elevated CO <sub>2</sub> . <i>Frontiers in Plant Science</i> , 2016, 07, 1368.	1.7	5
4	Non-destructive Phenotypic Analysis of Early Stage Tree Seedling Growth Using an Automated Stereovision Imaging Method. <i>Frontiers in Plant Science</i> , 2016, 7, 1644.	1.7	32
5	Multidimensional structure of grass functional traits among species and assemblages. <i>Journal of Vegetation Science</i> , 2016, 27, 1047-1060.	1.1	25
6	Phylogenetic and functional mechanisms of direct and indirect interactions among alien and native plants. <i>Journal of Ecology</i> , 2016, 104, 1136-1148.	1.9	18
7	Species pools and environmental sorting control different aspects of plant diversity and functional trait composition in recovering grasslands. <i>Journal of Ecology</i> , 2016, 104, 1314-1325.	1.9	30
8	Measuring the functional redundancy of biological communities: a quantitative guide. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1386-1395.	2.2	197
9	Trait coordination, mechanical behaviour and growth form plasticity of <i>Amborella trichopoda</i> under variation in canopy openness. <i>AoB PLANTS</i> , 2016, 8, .	1.2	17
10	New plant trait records of the Hungarian flora. <i>Acta Botanica Hungarica</i> , 2016, 58, 397-400.	0.1	21
11	Biodiversity in the Anthropocene: prospects and policy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20162094.	1.2	82
12	Biodiversity and agriculture in dynamic landscapes: Integrating ground and remotely-sensed baseline surveys. <i>Journal of Environmental Management</i> , 2016, 177, 9-19.	3.8	6
13	Traits Without Borders: Integrating Functional Diversity Across Scales. <i>Trends in Ecology and Evolution</i> , 2016, 31, 382-394.	4.2	305
14	Elevated CO <sub>2</sub> can modify the response to a water status gradient in a steppe grass: from cell organelles to photosynthetic capacity to plant growth. <i>BMC Plant Biology</i> , 2016, 16, 157.	1.6	13
15	The Density Awakens: A Reply to Blonder. <i>Trends in Ecology and Evolution</i> , 2016, 31, 667-669.	4.2	22
16	Resilience of Amazon forests emerges from plant trait diversity. <i>Nature Climate Change</i> , 2016, 6, 1032-1036.	8.1	201
17	Foliar phosphorus content predicts species relative abundance in P-limited Tibetan alpine meadows. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2016, 22, 47-54.	1.1	21
18	Plant-soil feedbacks: role of plant functional group and plant traits. <i>Journal of Ecology</i> , 2016, 104, 1608-1617.	1.9	213

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19	Spectral diversity area relationships for assessing biodiversity in a "wildland" agriculture matrix. <i>Ecological Applications</i> , 2016, 26, 2758-2768.	1.8	37
20	The effects of environmental constraints on plant community organization depend on which traits are measured. <i>Journal of Vegetation Science</i> , 2016, 27, 1264-1274.	1.1	11
21	Vegetation science in the age of big data. <i>Journal of Vegetation Science</i> , 2016, 27, 865-867.	1.1	2
22	Examining variation in the leaf mass per area of dominant species across two contrasting tropical gradients in light of community assembly. <i>Ecology and Evolution</i> , 2016, 6, 5674-5689.	0.8	26
23	Growth "survival trade-off in shrub saplings from Neotropical mountain grasslands. <i>South African Journal of Botany</i> , 2016, 106, 17-22.	1.2	10
24	The plant economics spectrum is structured by leaf habits and growth forms across subtropical species. <i>Tree Physiology</i> , 2017, 37, 173-185.	1.4	16
25	A Coming of Age for the Trait-Based Approach in Plant Ecology. <i>BioScience</i> , 2016, 66, 1082-1083.	2.2	1
26	Occupancy and overlap in trait space along a successional gradient in Mediterranean old fields. <i>American Journal of Botany</i> , 2016, 103, 1050-1060.	0.8	22
27	A trail map for trait-based studies. <i>Nature</i> , 2016, 529, 163-164.	13.7	40
28	Revisiting the "Holly G" rail: using plant functional traits to understand ecological processes. <i>Biological Reviews</i> , 2017, 92, 1156-1173.	4.7	557
29	Fundamental species traits explain provisioning services of tropical American palms. <i>Nature Plants</i> , 2017, 3, 16220.	4.7	59
30	Testing the environmental filtering concept in global drylands. <i>Journal of Ecology</i> , 2017, 105, 1058-1069.	1.9	156
31	Functional ecology of cryptogams: scaling from bryophyte, lichen, and soil crust traits to ecosystem processes. <i>New Phytologist</i> , 2017, 213, 993-995.	3.5	30
32	Five species, many genotypes, broad phenotypic diversity: When agronomy meets functional ecology. <i>American Journal of Botany</i> , 2017, 104, 62-71.	0.8	8
33	Expanding our understanding of leaf functional syndromes in savanna systems: the role of plant growth form. <i>Oecologia</i> , 2017, 183, 953-962.	0.9	28
34	Growth form and spatiality driving the functional difference of native and alien aquatic plants in Europe. <i>Ecology and Evolution</i> , 2017, 7, 950-963.	0.8	35
35	Tree mortality across biomes is promoted by drought intensity, lower wood density and higher specific leaf area. <i>Ecology Letters</i> , 2017, 20, 539-553.	3.0	348
36	Predicting restored communities based on reference ecosystems using a trait-based approach. <i>Forest Ecology and Management</i> , 2017, 391, 176-183.	1.4	14

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37	Litter for life: assessing the multifunctional legacy of plant traits. <i>Journal of Ecology</i> , 2017, 105, 1163-1168.	1.9	42
38	Physiological and structural tradeoffs underlying the leaf economics spectrum. <i>New Phytologist</i> , 2017, 214, 1447-1463.	3.5	412
39	A global Fineâ€Root Ecology Database to address belowâ€ground challenges in plant ecology. <i>New Phytologist</i> , 2017, 215, 15-26.	3.5	250
40	Resistance of plantâ€plant networks to biodiversity loss and secondary extinctions following simulated environmental changes. <i>Functional Ecology</i> , 2017, 31, 1145-1152.	1.7	46
41	Using coarseâ€scale species distribution data to predict extinction risk in plants. <i>Diversity and Distributions</i> , 2017, 23, 435-447.	1.9	48
42	Climate, soil and plant functional types as drivers of global fineâ€root trait variation. <i>Journal of Ecology</i> , 2017, 105, 1182-1196.	1.9	234
43	Leaf trait associations with environmental variation in the wideâ€ranging shrub <i>Dodonaea viscosa</i> subsp. <i>angustissima</i> (Sapindaceae). <i>Austral Ecology</i> , 2017, 42, 553-561.	0.7	24
44	Variation in seed size is structured by dispersal syndrome and cone morphology in conifers and other nonflowering seed plants. <i>New Phytologist</i> , 2017, 216, 429-437.	3.5	53
45	Why we need more nonâ€seed plant models. <i>New Phytologist</i> , 2017, 216, 355-360.	3.5	90
46	Plant Functional Traits: Soil and Ecosystem Services. <i>Trends in Plant Science</i> , 2017, 22, 385-394.	4.3	311
47	The anatomical and compositional basis of leaf mass per area. <i>Ecology Letters</i> , 2017, 20, 412-425.	3.0	139
48	Communityâ€weighted means and functional dispersion of plant functional traits along environmental gradients on Mount Kilimanjaro. <i>Journal of Vegetation Science</i> , 2017, 28, 684-695.	1.1	62
49	Functional trait diversity maximizes ecosystem multifunctionality. <i>Nature Ecology and Evolution</i> , 2017, 1, 0132-132.	3.4	277
50	Climateâ€and successionalâ€related changes in functional composition of European forests are strongly driven by tree mortality. <i>Global Change Biology</i> , 2017, 23, 4162-4176.	4.2	62
51	Constraints on trait combinations explain climatic drivers of biodiversity: the importance of trait covariance in community assembly. <i>Ecology Letters</i> , 2017, 20, 872-882.	3.0	79
52	Why phylogenies do not always predict ecological differences. <i>Ecological Monographs</i> , 2017, 87, 535-551.	2.4	148
53	Key functional role of the optical properties of coral skeletons in coral ecology and evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20161667.	1.2	102
54	On Plant Modularity Traits: Functions and Challenges. <i>Trends in Plant Science</i> , 2017, 22, 648-651.	4.3	57

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55	Revisiting the biodiversityâ€ecosystem multifunctionality relationship. <i>Nature Ecology and Evolution</i> , 2017, 1, 168.	3.4	120
56	Functional traits explain ecosystem function through opposing mechanisms. <i>Ecology Letters</i> , 2017, 20, 989-996.	3.0	273
57	Intraspecific variation in traits reduces ability of traitâ€based models to predict community structure. <i>Journal of Vegetation Science</i> , 2017, 28, 1070-1081.	1.1	27
58	From competition to facilitation: how tree species respond to neighbourhood diversity. <i>Ecology Letters</i> , 2017, 20, 892-900.	3.0	123
59	Growth form rather than phylogenetic relationship predicts broad volatile emission patterns in the Brassicaceae. <i>Plant Systematics and Evolution</i> , 2017, 303, 653-662.	0.3	4
60	Which plant traits respond to aridity? A critical step to assess functional diversity in Mediterranean drylands. <i>Agricultural and Forest Meteorology</i> , 2017, 239, 176-184.	1.9	64
61	Classification of intra-specific variation in plant functional strategies reveals adaptation to climate. <i>Annals of Botany</i> , 2017, 119, 1343-1352.	1.4	35
62	The role of functional uniqueness and spatial aggregation in explaining rarity in trees. <i>Global Ecology and Biogeography</i> , 2017, 26, 777-786.	2.7	33
63	Stomatal Biology of CAM Plants. <i>Plant Physiology</i> , 2017, 174, 550-560.	2.3	85
64	The plant perceptron connects environment to development. <i>Nature</i> , 2017, 543, 337-345.	13.7	120
65	The triangular seed massâ€leaf area relationship holds for annual plants and is determined by habitat productivity. <i>Functional Ecology</i> , 2017, 31, 1770-1779.	1.7	16
66	What if plant functional types conceal speciesâ€specific responses to environment? Study on arctic shrub communities. <i>Ecology</i> , 2017, 98, 1600-1612.	1.5	26
67	General allometric scaling of net primary production agrees with plant adaptive strategy theory and has tipping points. <i>Journal of Ecology</i> , 2017, 105, 1094-1104.	1.9	11
68	Impacts of invasive plants on carbon pools depend on both speciesâ€™ traits and local climate. <i>Ecology</i> , 2017, 98, 1026-1035.	1.5	25
69	Can Leaf Spectroscopy Predict Leaf and Forest Traits Along a Peruvian Tropical Forest Elevation Gradient?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2952-2965.	1.3	17
70	Intraspecific trait variation can weaken interspecific trait correlations when assessing the wholeâ€plant economic spectrum. <i>Ecology and Evolution</i> , 2017, 7, 8936-8949.	0.8	44
71	Biomeâ€specific climatic space defined by temperature and precipitation predictability. <i>Global Ecology and Biogeography</i> , 2017, 26, 1270-1282.	2.7	28
72	Leafâ€IT: An Android application for measuring leaf area. <i>Ecology and Evolution</i> , 2017, 7, 9731-9738.	0.8	30

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73	Trait shifts associated with the subshrub life-history strategy in a tropical savanna. <i>Oecologia</i> , 2017, 185, 281-291.	0.9	9
74	Effects of grazing abandonment on soil multifunctionality: The role of plant functional traits. <i>Agriculture, Ecosystems and Environment</i> , 2017, 249, 215-225.	2.5	75
75	Global climatic drivers of leaf size. <i>Science</i> , 2017, 357, 917-921.	6.0	580
76	Biotic and abiotic drivers of the tree growth and mortality trade-off in an old-growth temperate forest. <i>Forest Ecology and Management</i> , 2017, 404, 354-360.	1.4	24
77	Coordination of rooting depth and leaf hydraulic traits defines drought-related strategies in the campos rupestres, a tropical montane biodiversity hotspot. <i>Plant and Soil</i> , 2017, 420, 467-480.	1.8	39
78	Are litter decomposition and fire linked through plant species traits?. <i>New Phytologist</i> , 2017, 216, 653-669.	3.5	50
79	Root traits are more than analogues of leaf traits: the case for diaspore mass. <i>New Phytologist</i> , 2017, 216, 1130-1139.	3.5	71
80	Sugar export limits size of conifer needles. <i>Physical Review E</i> , 2017, 95, 042402.	0.8	16
81	A genomic perspective on stoichiometric regulation of soil carbon cycling. <i>ISME Journal</i> , 2017, 11, 2652-2665.	4.4	97
82	Plant size: a key determinant of diversification?. <i>New Phytologist</i> , 2017, 216, 24-31.	3.5	25
83	An individual-based forest model to jointly simulate carbon and tree diversity in Amazonia: description and applications. <i>Ecological Monographs</i> , 2017, 87, 632-664.	2.4	40
84	Leaf construction cost is related to water availability in three species of different growth forms in a Brazilian tropical dry forest. <i>Theoretical and Experimental Plant Physiology</i> , 2017, 29, 95-108.	1.1	19
85	Tree functional types simplify forest carbon stock estimates induced by carbon concentration variations among species in a subtropical area. <i>Scientific Reports</i> , 2017, 7, 4992.	1.6	17
86	Diverse belowground resource strategies underlie plant species coexistence and spatial distribution in three grasslands along a precipitation gradient. <i>New Phytologist</i> , 2017, 216, 1140-1150.	3.5	96
87	Trade-offs between seed and leaf size (seedâ€“phytomerâ€“leaf theory): functional glue linking regenerative with life history strategies and taxonomy with ecology?. <i>Annals of Botany</i> , 2017, 120, 633-652.	1.4	29
88	Using <i>n</i> -dimensional hypervolumes for species distribution modelling: A response to Qiao et al. ( <i>Global Ecology and Biogeography</i> , 2017, 26, 1071-1075).	2.7	14
89	The evolutionary ecology of roots. <i>New Phytologist</i> , 2017, 215, 1295-1297.	3.5	8
90	Spatial plant resource acquisition traits explain plant community effects on soil microbial properties. <i>Pedobiologia</i> , 2017, 65, 50-57.	0.5	17

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91	Plant trait effects on soil organisms and functions. <i>Pedobiologia</i> , 2017, 65, 1-4.	0.5	20
92	Do large-seeded herbs have a small range size? The seed mass "distribution range trade-off hypothesis. <i>Ecology and Evolution</i> , 2017, 7, 11204-11212.	0.8	24
93	Plant functional type approach for a functional interpretation of altitudinal vegetation zones in the Alborz Mts., Iran. <i>Journal of Mountain Science</i> , 2017, 14, 2257-2269.	0.8	9
94	Species pool distributions along functional trade-offs shape plant productivity-diversity relationships. <i>Scientific Reports</i> , 2017, 7, 15405.	1.6	13
95	Trait covariance: the functional warp of plant diversity?. <i>New Phytologist</i> , 2017, 216, 976-980.	3.5	22
96	Effect of climate warming on the annual terrestrial net ecosystem CO <sub>2</sub> exchange globally in the boreal and temperate regions. <i>Scientific Reports</i> , 2017, 7, 3108.	1.6	18
97	Changes in Community-Level Riparian Plant Traits over Inundation Gradients, Colorado River, Grand Canyon. <i>Wetlands</i> , 2017, 37, 635-646.	0.7	24
98	Trait choice profoundly affected the ecological conclusions drawn from functional diversity measures. <i>Scientific Reports</i> , 2017, 7, 3643.	1.6	30
99	Dissecting global turnover in vascular plants. <i>Global Ecology and Biogeography</i> , 2017, 26, 228-242.	2.7	71
100	Below-ground frontiers in trait-based plant ecology. <i>New Phytologist</i> , 2017, 213, 1597-1603.	3.5	220
101	Water potential regulation, stomatal behaviour and hydraulic transport under drought: deconstructing the iso/anisohydric concept. <i>Plant, Cell and Environment</i> , 2017, 40, 962-976.	2.8	332
102	The association of leaf lifespan and background insect herbivory at the interspecific level. <i>Ecology</i> , 2017, 98, 425-432.	1.5	25
103	Functional Composition of Tree Communities Changed Topsoil Properties in an Old Experimental Tropical Plantation. <i>Ecosystems</i> , 2017, 20, 861-871.	1.6	15
104	Genetics of floral traits of <i>Jaltomata procumbens</i> (Solanaceae). <i>Brittonia</i> , 2017, 69, 1-10.	0.8	10
105	Herbivory and nutrient limitation protect warming tundra from lowland species' invasion and diversity loss. <i>Global Change Biology</i> , 2017, 23, 245-255.	4.2	21
106	Plant genotypic variation and intraspecific diversity trump soil nutrient availability to shape old-field structure and function. <i>Functional Ecology</i> , 2017, 31, 965-974.	1.7	11
107	Herbivores sculpt leaf traits differently in grasslands depending on life form and land-use histories. <i>Ecology</i> , 2017, 98, 239-252.	1.5	11
108	A global method for calculating plant <sc>CSR</sc> ecological strategies applied across biomes worldwide. <i>Functional Ecology</i> , 2017, 31, 444-457.	1.7	330

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109	Functional diversity underlies demographic responses to environmental variation in European forests. <i>Global Ecology and Biogeography</i> , 2017, 26, 128-141.	2.7	56
110	Spatial scale and intraspecific trait variability mediate assembly rules in alpine grasslands. <i>Journal of Ecology</i> , 2017, 105, 277-287.	1.9	73
111	Unravelling the coordination between leaf and stem economics spectra through local and global scale approaches. <i>Austral Ecology</i> , 2017, 42, 394-403.	0.7	9
112	Plant life history and above- and belowground interactions: missing links. <i>Oikos</i> , 2017, 126, 497-507.	1.2	35
113	Independent evolution of shape and motility allows evolutionary flexibility in Firmicutes bacteria. <i>Nature Ecology and Evolution</i> , 2017, 1, 9.	3.4	14
114	Community variation in wood density along a bioclimatic gradient on a hyperdiverse tropical island. <i>Journal of Vegetation Science</i> , 2017, 28, 19-33.	1.1	26
115	Both canopy and understory traits act as response effect traits in fire-managed forests. <i>Ecosphere</i> , 2017, 8, e02036.	1.0	6
116	Coexistence of Deciduous and Evergreen Oak Species in Mediterranean Environments: Costs Associated with the Leaf and Root Traits of Both Habits. <i>Tree Physiology</i> , 2017, , 195-237.	0.9	10
117	Tree co-occurrence and transcriptomic response to drought. <i>Nature Communications</i> , 2017, 8, 1996.	5.8	21
118	Trait-abundance relation in response to nutrient addition in a Tibetan alpine meadow: The importance of species trade-off in resource conservation and acquisition. <i>Ecology and Evolution</i> , 2017, 7, 10575-10581.	0.8	13
119	Observations, indicators and scenarios of biodiversity and ecosystem services change – a framework to support policy and decision-making. <i>Current Opinion in Environmental Sustainability</i> , 2017, 29, 198-206.	3.1	11
120	Leaf Respiration in Terrestrial Biosphere Models. <i>Advances in Photosynthesis and Respiration</i> , 2017, , 107-142.	1.0	25
121	Roles of the Environment in Plant Life-History Trade-offs. , 2017, , .		6
122	Morphological Plant Modeling: Unleashing Geometric and Topological Potential within the Plant Sciences. <i>Frontiers in Plant Science</i> , 2017, 8, 900.	1.7	61
123	Photoprotective Strategies of Mediterranean Plants in Relation to Morphological Traits and Natural Environmental Pressure: A Meta-Analytical Approach. <i>Frontiers in Plant Science</i> , 2017, 8, 1051.	1.7	42
124	Intraspecific Trait Variation and Coordination: Root and Leaf Economics Spectra in Coffee across Environmental Gradients. <i>Frontiers in Plant Science</i> , 2017, 8, 1196.	1.7	61
125	Three Key Sub-leaf Modules and the Diversity of Leaf Designs. <i>Frontiers in Plant Science</i> , 2017, 8, 1542.	1.7	17
126	Tradeoff between Stem Hydraulic Efficiency and Mechanical Strength Affects Leaf-Stem Allometry in 28 Ficus Tree Species. <i>Frontiers in Plant Science</i> , 2017, 8, 1619.	1.7	38



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127	The Multidimensional Stoichiometric Niche. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	56
128	Plant Phylogeny and Life History Shape Rhizosphere Bacterial Microbiome of Summer Annuals in an Agricultural Field. <i>Frontiers in Microbiology</i> , 2017, 8, 2414.	1.5	56
129	Food Webs and Multiple Biotic Interactions in Plantâ€“Herbivore Models. <i>Advances in Botanical Research</i> , 2017, , 111-137.	0.5	4
130	Coordination and Determinants of Leaf Community Economics Spectrum for Canopy Trees and Shrubs in a Temperate Forest in Northeastern China. <i>Forests</i> , 2017, 8, 202.	0.9	7
131	Response of Korean pineâ€™s functional traits to geography and climate. <i>PLoS ONE</i> , 2017, 12, e0184051.	1.1	5
132	Remote sensing of plant trait responses to field-based plantâ€“soil feedback using UAV-based optical sensors. <i>Biogeosciences</i> , 2017, 14, 733-749.	1.3	32
133	Growthâ€“competitionâ€“herbivore resistance tradeâ€“offs and the responses of alpine plant communities to climate change. <i>Functional Ecology</i> , 2018, 32, 1693-1703.	1.7	24
134	Evolutionary history resolves global organization of root functional traits. <i>Nature</i> , 2018, 555, 94-97.	13.7	463
135	Relating plant height to demographic rates and extinction vulnerability. <i>Biological Conservation</i> , 2018, 220, 104-111.	1.9	5
136	Functional tradeâ€“offs and the phylogenetic dispersion of seed traits in a biodiversity hotspot of the Mountains of Southwest China. <i>Ecology and Evolution</i> , 2018, 8, 2218-2230.	0.8	10
137	Using floristics, modern systematics and phylogenetics for disentangling biodiversity hotspots across scales: a Mediterranean case study. <i>Plant Biosystems</i> , 2018, 152, 1293-1310.	0.8	6
138	Impact of an invasive alien plant on litter decomposition along a latitudinal gradient. <i>Ecosphere</i> , 2018, 9, e02097.	1.0	26
139	The unfolding of plant growth formâ€“defence syndromes along elevation gradients. <i>Ecology Letters</i> , 2018, 21, 609-618.	3.0	67
140	Functional traits reveal environmental constraints on amphibian community assembly in a subtropical dry forest. <i>Austral Ecology</i> , 2018, 43, 623-634.	0.7	8
141	Allocation strategies for nitrogen and phosphorus in forest plants. <i>Oikos</i> , 2018, 127, 1506-1514.	1.2	52
142	Grasslands maintained with frequent fire promote coldâ€“tolerant species. <i>Journal of Vegetation Science</i> , 2018, 29, 541-549.	1.1	9
143	Correlated evolution between climate and suites of traits along a fastâ€“slow continuum in the radiation of <i>Protea</i> . <i>Ecology and Evolution</i> , 2018, 8, 1853-1866.	0.8	12
144	Phloem physics: mechanisms, constraints, and perspectives. <i>Current Opinion in Plant Biology</i> , 2018, 43, 96-100.	3.5	23

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145	Landscape evolution and nutrient rejuvenation reflected in Amazon forest canopy chemistry. <i>Ecology Letters</i> , 2018, 21, 978-988.	3.0	25
146	Challenges of comprehensive taxon sampling in comparative biology: Wrestling with rosids. <i>American Journal of Botany</i> , 2018, 105, 433-445.	0.8	33
147	Predicting ecosystem vulnerability to biodiversity loss from community composition. <i>Ecology</i> , 2018, 99, 1099-1107.	1.5	30
148	Biodiversity of arbuscular mycorrhizal fungi and ecosystem function. <i>New Phytologist</i> , 2018, 220, 1059-1075.	3.5	288
149	Changing methodology results in operational drift in the meaning of leaf area index, necessitating implementation of foliage layer index. <i>Ecology and Evolution</i> , 2018, 8, 638-644.	0.8	7
150	Linkages of plant-soil interface habitat and grasshopper occurrence of typical grassland ecosystem. <i>Ecological Indicators</i> , 2018, 90, 324-333.	2.6	6
151	Environmental filtering limits functional diversity during succession in a seasonally wet tropical secondary forest. <i>Journal of Vegetation Science</i> , 2018, 29, 511-520.	1.1	38
152	The conservation value of germplasm stored at the Millennium Seed Bank, Royal Botanic Gardens, Kew, UK. <i>Biodiversity and Conservation</i> , 2018, 27, 1347-1386.	1.2	51
153	LiDAR derived forest structure data improves predictions of canopy N and P concentrations from imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2018, 211, 13-25.	4.6	19
154	Non-structural carbohydrate dynamics associated with drought-induced die-off in woody species of a shrubland community. <i>Annals of Botany</i> , 2018, 121, 1383-1396.	1.4	29
155	Experimental evaluation of the robustness of the growthâ€“stress tolerance tradeâ€“off within the perennial grass <i>Dactylis glomerata</i> . <i>Functional Ecology</i> , 2018, 32, 1944-1958.	1.7	34
156	Is there a tree economics spectrum of decomposability?. <i>Soil Biology and Biochemistry</i> , 2018, 119, 135-142.	4.2	25
157	Redefining ecosystem multifunctionality. <i>Nature Ecology and Evolution</i> , 2018, 2, 427-436.	3.4	503
158	Modelling understorey dynamics in temperate forests under global changeâ€“Challenges and perspectives. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 31, 44-54.	1.1	45
159	Inter- and intraspecific variation in leaf economic traits in wheat and maize. <i>AoB PLANTS</i> , 2018, 10, p1006.	1.2	31
161	Taxonomic diversity masks leaf veinâ€“climate relationships: lessons from herbarium collections across a latitudinal rainfall gradient in West Africa. <i>Botany Letters</i> , 2018, 165, 384-395.	0.7	12
162	Traits indicating a conservative resource strategy are weakly related to narrow range size in a group of neotropical trees. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 32, 30-37.	1.1	6
163	Quantifying the role of intraâ€“specific trait variation for allocation and organâ€“level traits in tropical seedling communities. <i>Journal of Vegetation Science</i> , 2018, 29, 276-284.	1.1	11

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164	Crop traits drive soil carbon sequestration under organic farming. <i>Journal of Applied Ecology</i> , 2018, 55, 2496-2505.	1.9	30
165	Refinement of a theoretical trait space for North American trees via environmental filtering. <i>Ecological Monographs</i> , 2018, 88, 372-384.	2.4	2
166	The seed germination niche limits the distribution of some plant species in calcareous or siliceous alpine bedrocks. <i>Alpine Botany</i> , 2018, 128, 83-95.	1.1	30
167	Global environmental change effects on plant community composition trajectories depend upon management legacies. <i>Global Change Biology</i> , 2018, 24, 1722-1740.	4.2	93
169	The spatial sensitivity of the spectral diversity–biodiversity relationship: an experimental test in a prairie grassland. <i>Ecological Applications</i> , 2018, 28, 541-556.	1.8	105
170	Functional diversity and community assembly of river invertebrates show globally consistent responses to decreasing glacier cover. <i>Nature Ecology and Evolution</i> , 2018, 2, 325-333.	3.4	71
171	Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. <i>Journal of Biogeography</i> , 2018, 45, 895-916.	1.4	92
172	Functional diversity mediates contrasting direct and indirect effects of fragmentation on below- and above-ground carbon stocks of coastal dune forests. <i>Forest Ecology and Management</i> , 2018, 407, 174-183.	1.4	23
173	Taxonomic affinity, habitat and seed mass strongly predict seed desiccation response: a boosted regression trees analysis based on 17 539 species. <i>Annals of Botany</i> , 2018, 121, 71-83.	1.4	35
174	Global leaf nitrogen and phosphorus stoichiometry and their scaling exponent. <i>National Science Review</i> , 2018, 5, 728-739.	4.6	121
175	Light limitation shapes the community seed mass of annual but not of perennial weeds. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 31, 1-6.	1.1	8
176	dispRity: A modular R package for measuring disparity. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1755-1763.	2.2	146
177	Drivers of invasive tree and shrub natural regeneration in temperate forests. <i>Biological Invasions</i> , 2018, 20, 2363-2379.	1.2	50
178	Multidimensional trait space informed by a mechanistic model of tree growth and carbon allocation. <i>Ecosphere</i> , 2018, 9, e02060.	1.0	4
179	Towards the general mechanistic prediction of community dynamics. <i>Functional Ecology</i> , 2018, 32, 1681-1692.	1.7	15
180	Competition along productivity gradients: news from heathlands. <i>Oecologia</i> , 2018, 187, 219-231.	0.9	8
181	Community Assembly Theory as a Framework for Biological Invasions. <i>Trends in Ecology and Evolution</i> , 2018, 33, 313-325.	4.2	167
182	Why Functional Traits Do Not Predict Tree Demographic Rates. <i>Trends in Ecology and Evolution</i> , 2018, 33, 326-336.	4.2	162

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183	The functional characterization of grass- and shrubland ecosystems using hyperspectral remote sensing: trends, accuracy and moderating variables. <i>Remote Sensing of Environment</i> , 2018, 209, 747-763.	4.6	57
184	Horizontal growth: An overlooked dimension in plant trait space. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 32, 18-21.	1.1	54
185	Habitat filtering determines the functional niche occupancy of plant communities worldwide. <i>Journal of Ecology</i> , 2018, 106, 1001-1009.	1.9	66
186	Trait syndromes among North American trees are evolutionarily conserved and show adaptive value over broad geographic scales. <i>Ecography</i> , 2018, 41, 540-550.	2.1	15
187	A Multidimensional Functional Trait Approach Reveals the Imprint of Environmental Stress in Mediterranean Woody Communities. <i>Ecosystems</i> , 2018, 21, 248-262.	1.6	39
188	Economic and hydraulic divergences underpin ecological differentiation in the Bromeliaceae. <i>Plant, Cell and Environment</i> , 2018, 41, 64-78.	2.8	32
189	Managing biological control services through multi-trophic trait interactions: review and guidelines for implementation at local and landscape scales. <i>Biological Reviews</i> , 2018, 93, 306-321.	4.7	107
190	Root traits across environmental gradients in Mediterranean woody communities: are they aligned along the root economics spectrum?. <i>Plant and Soil</i> , 2018, 424, 35-48.	1.8	59
191	Integrating correlation between traits improves spatial predictions of plant functional composition. <i>Oikos</i> , 2018, 127, 472-481.	1.2	19
192	Leaf Attenuated Total Reflection Fourier Transform Infrared (ATR-FTIR) biochemical profile of grassland plant species related to land-use intensity. <i>Ecological Indicators</i> , 2018, 84, 803-810.	2.6	26
193	Soil fungal abundance and plant functional traits drive fertile island formation in global drylands. <i>Journal of Ecology</i> , 2018, 106, 242-253.	1.9	123
194	Comparing traits of native and alien plants: Can we do better?. <i>Functional Ecology</i> , 2018, 32, 117-125.	1.7	74
195	Can dispersal investment explain why tall plant species achieve longer dispersal distances than short plant species?. <i>New Phytologist</i> , 2018, 217, 407-415.	3.5	44
196	Hypervolume concepts in niche- and trait-based ecology. <i>Ecography</i> , 2018, 41, 1441-1455.	2.1	223
197	Functional traits determine tree growth and ecosystem productivity of a tropical montane forest: Insights from a long-term nutrient manipulation experiment. <i>Global Change Biology</i> , 2018, 24, 399-409.	4.2	51
198	Leaf carbon and oxygen isotopes are coordinated with the leaf economics spectrum in Mediterranean rangeland species. <i>Functional Ecology</i> , 2018, 32, 612-625.	1.7	49
199	Xylem hydraulic safety and construction costs determine tropical tree growth. <i>Plant, Cell and Environment</i> , 2018, 41, 548-562.	2.8	70
200	Relationships between leaf mass per area and nutrient concentrations in 98 Mediterranean woody species are determined by phylogeny, habitat and leaf habit. <i>Trees - Structure and Function</i> , 2018, 32, 497-510.	0.9	35

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201	Functional traits in agroecology: Advancing description and prediction in agroecosystems. <i>Journal of Applied Ecology</i> , 2018, 55, 5-11.	1.9	46
202	Being John Harper: Using evolutionary ideas to improve understanding of global patterns in plant traits. <i>Journal of Ecology</i> , 2018, 106, 1-18.	1.9	122
203	Functional ecology and imperfect detection of species. <i>Methods in Ecology and Evolution</i> , 2018, 9, 917-928.	2.2	20
204	Quantifying the effects of ecological constraints on trait expression using novel trait gradient analysis parameters. <i>Ecology and Evolution</i> , 2018, 8, 435-440.	0.8	10
205	Widely distributed native and alien plant species differ in arbuscular mycorrhizal associations and related functional trait interactions. <i>Ecography</i> , 2018, 41, 1583-1593.	2.1	9
206	Weak whole-plant trait coordination in a seasonally dry South American stressful environment. <i>Ecology and Evolution</i> , 2018, 8, 4-12.	0.8	32
207	Integrating the Passenger-Driver hypothesis and plant community functional traits to the restoration of lands degraded by invasive trees. <i>Forest Ecology and Management</i> , 2018, 408, 112-120.	1.4	10
208	Effects of disturbance frequency and severity on plant traits: An assessment across a temperate flora. <i>Functional Ecology</i> , 2018, 32, 799-808.	1.7	76
209	Community evolution increases plant productivity at low diversity. <i>Ecology Letters</i> , 2018, 21, 128-137.	3.0	67
210	Farmer perception and utilization of leaf functional traits in managing agroecosystems. <i>Journal of Applied Ecology</i> , 2018, 55, 69-80.	1.9	21
211	How do Mediterranean shrub species cope with shade? Ecophysiological response to different light intensities. <i>Plant Biology</i> , 2018, 20, 296-306.	1.8	13
212	Soil-mediated filtering organizes tree assemblages in regenerating tropical forests. <i>Journal of Ecology</i> , 2018, 106, 137-147.	1.9	54
213	New approaches for delineating $n$ -dimensional hypervolumes. <i>Methods in Ecology and Evolution</i> , 2018, 9, 305-319.	2.2	195
214	From Traditional Farming in Morocco to Early Urban Agroecology in Northern Mesopotamia: Combining Present-day Arable Weed Surveys and Crop Isotope Analysis to Reconstruct Past Agrosystems in (Semi-)arid Regions. <i>Environmental Archaeology</i> , 2018, 23, 303-322.	0.6	36
215	On the inconsistency of pollinator species traits for predicting either response to land-use change or functional contribution. <i>Oikos</i> , 2018, 127, 306-315.	1.2	68
216	Slow community responses but rapid species responses 14 years after alpine turf transplantation among snow cover zones, south-central New Zealand. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 30, 51-61.	1.1	8
217	Optimal growth entails risky localization in population dynamics. <i>Europhysics Letters</i> , 2018, 121, 68005.	0.7	4
218	How anthropogenic shifts in plant community composition alter soil food webs. <i>F1000Research</i> , 2018, 7, 4.	0.8	26

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219	How wind drives the correlation between leaf shape and mechanical properties. <i>Scientific Reports</i> , 2018, 8, 16314.	1.6	18
220	Mapping the Leaf Economic Spectrum across West African Tropical Forests Using UAV-Acquired Hyperspectral Imagery. <i>Remote Sensing</i> , 2018, 10, 1532.	1.8	22
221	Global trait–environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	3.4	397
222	Decoding plant communities across scales. <i>Nature Ecology and Evolution</i> , 2018, 2, 1844-1845.	3.4	5
223	Patterns of Beta Diversity of Vascular Plants and Their Correspondence With Biome Boundaries Across North America. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	36
224	Intraspecific Trait Variation and Phenotypic Plasticity Mediate Alpine Plant Species Response to Climate Change. <i>Frontiers in Plant Science</i> , 2018, 9, 1548.	1.7	131
225	Tundra Trait Team: A database of plant traits spanning the tundra biome. <i>Global Ecology and Biogeography</i> , 2018, 27, 1402-1411.	2.7	57
226	Nutrient sink limitation constrains growth in two barley species with contrasting growth strategies. <i>Plant Direct</i> , 2018, 2, e00094.	0.8	11
227	Similarity of introduced plant species to native ones facilitates naturalization, but differences enhance invasion success. <i>Nature Communications</i> , 2018, 9, 4631.	5.8	139
228	Fungal diversity regulates plant-soil feedbacks in temperate grassland. <i>Science Advances</i> , 2018, 4, eaau4578.	4.7	161
229	Plant Functional Diversity and the Biogeography of Biomes in North and South America. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	38
230	Tree growth and stem carbon accumulation in human-modified Amazonian forests following drought and fire. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170308.	1.8	29
231	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.	4.6	104
232	Biochemical and microbiological activity of soil contaminated with o-cresol and biostimulated with <i>Perna canaliculus</i> mussel meal. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 602.	1.3	12
233	Cascading effects from plants to soil microorganisms explain how plant species richness and simulated climate change affect soil multifunctionality. <i>Global Change Biology</i> , 2018, 24, 5642-5654.	4.2	100
234	Climate as a driver of adaptive variations in ecological strategies in <i>Arabidopsis thaliana</i> . <i>Annals of Botany</i> , 2018, 122, 935-945.	1.4	33
235	Plant Functional Traits and Species Selection in Tropical Forest Restoration. <i>Tropical Conservation Science</i> , 2018, 11, 194008291878415.	0.6	13
236	Ontogenetic shifts in plant ecological strategies. <i>Functional Ecology</i> , 2018, 32, 2730-2741.	1.7	82

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237	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	13.7	451
238	A plant biodiversity effect resolved to a single chromosomal region. <i>Nature Ecology and Evolution</i> , 2018, 2, 1933-1939.	3.4	34
239	Evolution of leaf structure and drought tolerance in species of Californian <i>Ceanothus</i> . <i>American Journal of Botany</i> , 2018, 105, 1672-1687.	0.8	20
240	New formula and conversion factor to compute basic wood density of tree species using a global wood technology database. <i>American Journal of Botany</i> , 2018, 105, 1653-1661.	0.8	19
241	Trade-offs and Synergies in the Structural and Functional Characteristics of Leaves Photosynthesizing in Aquatic Environments. <i>Advances in Photosynthesis and Respiration</i> , 2018, , 307-343.	1.0	14
242	The Leaf Economics Spectrum and its Underlying Physiological and Anatomical Principles. <i>Advances in Photosynthesis and Respiration</i> , 2018, , 451-471.	1.0	8
243	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.	3.4	59
244	Global patterns in wood carbon concentration across the world's trees and forests. <i>Nature Geoscience</i> , 2018, 11, 915-920.	5.4	89
245	Towards global data products of Essential Biodiversity Variables on species traits. <i>Nature Ecology and Evolution</i> , 2018, 2, 1531-1540.	3.4	163
246	Molecular genetic and biochemical evidence for adaptive evolution of leaf abaxial epicuticular wax crystals in the genus <i>Lithocarpus</i> (Fagaceae). <i>BMC Plant Biology</i> , 2018, 18, 196.	1.6	5
247	Greater tree species richness in eastern North America compared to Europe is coupled to denser, more clustered functional trait space filling, not to trait space expansion. <i>Global Ecology and Biogeography</i> , 2018, 27, 1288-1299.	2.7	10
248	Functional traits of a broad-niched metallophyte along a toxicity gradient: disentangling intra and inter-population variation. <i>Environmental and Experimental Botany</i> , 2018, 156, 240-247.	2.0	2
249	Morphological and functional traits of herbaceous plants with different functional types in the European Northeast. <i>Plant Ecology</i> , 2018, 219, 1295-1305.	0.7	16
250	Interspecific variation in leaf functional and defensive traits in oak species and its underlying climatic drivers. <i>PLoS ONE</i> , 2018, 13, e0202548.	1.1	33
251	Environment and past land use together predict functional diversity in a temperate forest. <i>Ecological Applications</i> , 2018, 28, 2142-2152.	1.8	10
252	A Conceptual Tree Model Explaining Legacy Effects on Stem Growth. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	1.0	48
253	Selection in response to community diversity alters plant performance and functional traits. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 33, 51-61.	1.1	21
254	Estimating Plant Traits of Alpine Grasslands on the Qinghai-Tibetan Plateau Using Remote Sensing. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 2263-2275.	2.3	16

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255	Beyond the fast-slow continuum: demographic dimensions structuring a tropical tree community. <i>Ecology Letters</i> , 2018, 21, 1075-1084.	3.0	100
256	Plant physical and chemical defence variation along elevation gradients: a functional trait-based approach. <i>Oecologia</i> , 2018, 187, 561-571.	0.9	35
257	Linking seed germination and plant height: a case study of a wetland community on the eastern Tibet Plateau. <i>Plant Biology</i> , 2018, 20, 886-893.	1.8	12
258	The ecology of Central European tree species: Trait spectra, functional trade-offs, and ecological classification of adult trees. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 33, 89-103.	1.1	52
259	Constraints on the functional trait space of aquatic invertebrates in bromeliads. <i>Functional Ecology</i> , 2018, 32, 2435-2447.	1.7	41
260	Can traits predict individual growth performance? A test in a hyperdiverse tropical forest. <i>New Phytologist</i> , 2018, 219, 109-121.	3.5	98
261	On the relationship between phylogenetic diversity and trait diversity. <i>Ecology</i> , 2018, 99, 1473-1479.	1.5	136
262	Ecology of Floristic Quality Assessment: testing for correlations between coefficients of conservatism, species traits and mycorrhizal responsiveness. <i>AoB PLANTS</i> , 2018, 10, plx073.	1.2	42
263	$\beta$ -Diversity, Community Assembly, and Ecosystem Functioning. <i>Trends in Ecology and Evolution</i> , 2018, 33, 549-564.	4.2	374
264	The role of adaptive strategies in plant naturalization. <i>Ecology Letters</i> , 2018, 21, 1380-1389.	3.0	69
265	How functional traits influence plant growth and shade tolerance across the life cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6789-E6798.	3.3	90
266	Delivering the promises of trait-based approaches to the needs of demographic approaches, and vice versa. <i>Functional Ecology</i> , 2018, 32, 1424-1435.	1.7	74
267	Investment in reproduction for 14 iteroparous perennials is large and associated with other life-history and functional traits. <i>Journal of Ecology</i> , 2018, 106, 1338-1348.	1.9	8
268	Late Quaternary climate legacies in contemporary plant functional composition. <i>Global Change Biology</i> , 2018, 24, 4827-4840.	4.2	48
269	Size-dependent variations in individual traits and trait scaling relationships within a shade-tolerant evergreen tree species. <i>American Journal of Botany</i> , 2018, 105, 1165-1174.	0.8	19
270	Understanding Forest Health with Remote Sensing, Part III: Requirements for a Scalable Multi-Source Forest Health Monitoring Network Based on Data Science Approaches. <i>Remote Sensing</i> , 2018, 10, 1120.	1.8	63
271	Plant Trait Dataset for Tree-Like Growth Forms Species of the Subtropical Atlantic Rain Forest in Brazil. <i>Data</i> , 2018, 3, 16.	1.2	5
272	Diversity in form and function: Vertical distribution of soil fauna mediates multidimensional trait variation. <i>Journal of Animal Ecology</i> , 2018, 87, 933-944.	1.3	42



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273	An Approach for Foliar Trait Retrieval from Airborne Imaging Spectroscopy of Tropical Forests. <i>Remote Sensing</i> , 2018, 10, 199.	1.8	54
274	Understanding the recruitment response of juvenile Neotropical trees to logging intensity using functional traits. <i>Ecological Applications</i> , 2018, 28, 1998-2010.	1.8	11
275	Seed mass diversity along resource gradients: the role of allometric growth rate and sizeâ€asymmetric competition. <i>Ecology</i> , 2018, 99, 2196-2206.	1.5	12
276	The Frequency of Cyclonic Wind Storms Shapes Tropical Forest Dynamism and Functional Trait Dispersion. <i>Forests</i> , 2018, 9, 404.	0.9	43
277	Using Knowledge of Plant Persistence Traits to Optimize Strategies for Post-Mine Ecological Restoration on the Peruvian Altiplano. <i>Mountain Research and Development</i> , 2018, 38, 135.	0.4	3
278	Functional groups differ in trait means, but not in trait plasticity to species richness in local grassland communities. <i>Ecology</i> , 2018, 99, 2295-2307.	1.5	14
279	Bringing the Eltonian niche into functional diversity. <i>Oikos</i> , 2018, 127, 1711-1723.	1.2	43
280	Gap-filling a spatially explicit plant trait database: comparing imputation methods and different levels of environmental information. <i>Biogeosciences</i> , 2018, 15, 2601-2617.	1.3	13
281	Bosque PehuÃƒn Park's Flora: A Contribution to the Knowledge of the Andean Montane Forests in the AraucanÃƒ Region, Chile. <i>Natural Areas Journal</i> , 2018, 38, 298-311.	0.2	5
282	Trait selection and community weighting are key to understanding ecosystem responses to changing precipitation regimes. <i>Functional Ecology</i> , 2018, 32, 1746-1756.	1.7	94
283	Divergent trait and environment relationships among parallel radiations in <i>Pelargonium</i> (Geraniaceae): a role for evolutionary legacy?. <i>New Phytologist</i> , 2018, 219, 794-807.	3.5	8
284	Assessing species saturation: conceptual and methodological challenges. <i>Biological Reviews</i> , 2018, 93, 1874-1890.	4.7	10
285	Species richness and phylogenetic diversity of seed plants across vegetation zones of Mount Kenya, East Africa. <i>Ecology and Evolution</i> , 2018, 8, 8930-8939.	0.8	38
286	Understanding and assessing vegetation health by in situ species and remoteâ€sensing approaches. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1799-1809.	2.2	45
287	A framework for measuring coral species-specific contribution to reef functioning in the Caribbean. <i>Ecological Indicators</i> , 2018, 95, 877-886.	2.6	71
288	Using tree species inventories to map biomes and assess their climatic overlaps in lowland tropical South America. <i>Global Ecology and Biogeography</i> , 2018, 27, 899-912.	2.7	69
289	Multiple facets of biodiversity drive the diversityâ€stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	3.4	296
290	Plant demographic and functional responses to management intensification: A longâ€term study in a Mediterranean rangeland. <i>Journal of Ecology</i> , 2018, 106, 1363-1376.	1.9	28

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291	Limiting similarity mediates plant community niche hypervolume across a desert-steppe ecotone of Inner Mongolia. <i>Environmental and Experimental Botany</i> , 2018, 153, 320-326.	2.0	13
292	High dispersal ability is related to fast life-history strategies. <i>Journal of Ecology</i> , 2018, 106, 1349-1362.	1.9	70
293	Environmental conditions, not sugar export efficiency, limit the length of conifer leaves. <i>Tree Physiology</i> , 2019, 39, 312-319.	1.4	6
294	Intransitivity increases plant functional diversity by limiting dominance in drylands worldwide. <i>Journal of Ecology</i> , 2019, 107, 240-252.	1.9	8
295	Evaluation and selection of functional diversity metrics with recommendations for their use in life cycle assessments. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 485-500.	2.2	14
296	Quantifying the importance of functional traits for primary production in aquatic plant communities. <i>Journal of Ecology</i> , 2019, 107, 154-166.	1.9	41
297	Genetic trials improve the transfer of Douglas-fir distribution models across continents. <i>Ecography</i> , 2019, 42, 88-101.	2.1	28
298	Linking Darwin's naturalisation hypothesis and Elton's diversity-invasibility hypothesis in experimental grassland communities. <i>Journal of Ecology</i> , 2019, 107, 794-805.	1.9	24
299	Intraspecific variation in soy across the leaf economics spectrum. <i>Annals of Botany</i> , 2019, 123, 107-120.	1.4	36
300	Trait correlation network analysis identifies biomass allocation traits and stem specific length as hub traits in herbaceous perennial plants. <i>Journal of Ecology</i> , 2019, 107, 829-842.	1.9	95
301	Inter- and intra-specific trait shifts among sites differing in drought conditions at the north western edge of the Mediterranean Region. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 147-160.	0.6	22
302	Zones of influence for soil organic matter dynamics: A conceptual framework for data and models. <i>Global Change Biology</i> , 2019, 25, 3996-4007.	4.2	13
303	What we (don't) know about global plant diversity. <i>Ecography</i> , 2019, 42, 1819-1831.	2.1	79
304	Towards an ecological trait-data standard. <i>Methods in Ecology and Evolution</i> , 2019, 10, 2006-2019.	2.2	91
305	Phytostabilization of Heavy Metals: Understanding of Principles and Practices. , 2019, , 263-282.		32
306	Soil fertility and rainfall during specific phenological phases affect seed trait variation in a widely distributed Neotropical tree, <i>Copaifera langsdorffii</i> . <i>American Journal of Botany</i> , 2019, 106, 1096-1105.	0.8	7
307	Shifts in plant functional composition following long-term drought in grasslands. <i>Journal of Ecology</i> , 2019, 107, 2133-2148.	1.9	85
308	Resource addition drives taxonomic divergence and phylogenetic convergence of plant communities. <i>Journal of Ecology</i> , 2019, 107, 2121-2132.	1.9	14

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309	Rarefaction of beta diversity. <i>Ecological Indicators</i> , 2019, 107, 105606.	2.6	6
310	Morphological and physiological traits in relation to carbon balance in a diverse clade of dryland mosses. <i>Plant, Cell and Environment</i> , 2019, 42, 3140-3151.	2.8	11
311	Trait-based plant ecology a flawed tool in climate studies? The leaf traits of wild olive that pattern with climate are not those routinely measured. <i>PLoS ONE</i> , 2019, 14, e0219908.	1.1	11
312	The functional role of temperate forest understorey vegetation in a changing world. <i>Global Change Biology</i> , 2019, 25, 3625-3641.	4.2	165
313	Scaling the linkage between environmental niches and functional traits for improved spatial predictions of biological communities. <i>Global Ecology and Biogeography</i> , 2019, 28, 1384-1392.	2.7	8
314	Interspecific variation across angiosperms in global <sc>DNA</sc> methylation: phylogeny, ecology and plant features in tropical and Mediterranean communities. <i>New Phytologist</i> , 2019, 224, 949-960.	3.5	19
315	Coordination of leaf and stem traits in 25 species of Fagaceae from three biomes of East Asia. <i>Botany</i> , 2019, 97, 391-403.	0.5	9
316	The effect of environmental filtering on variation in functional diversity along a tropical elevational gradient. <i>Journal of Vegetation Science</i> , 2019, 30, 973-983.	1.1	34
317	Is there coordination of leaf and fine root traits at local scales? A test in temperate forest swamps. <i>Ecology and Evolution</i> , 2019, 9, 8714-8723.	0.8	15
319	The biogeochemical niche shifts of <i>Pinus sylvestris</i> var. <i>mongolica</i> along an environmental gradient. <i>Environmental and Experimental Botany</i> , 2019, 167, 103825.	2.0	14
320	Diverse photosynthetic capacity of global ecosystems mapped by satellite chlorophyll fluorescence measurements. <i>Remote Sensing of Environment</i> , 2019, 232, 111344.	4.6	59
321	Leaf economics and slow-fast adaptation across the geographic range of <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2019, 9, 10758.	1.6	38
322	Morpho-physiological variability of <i>Pinus nigra</i> populations reveals climate-driven local adaptation but weak water use differentiation. <i>Environmental and Experimental Botany</i> , 2019, 166, 103828.	2.0	15
323	Intraspecific variation in traits and tree growth along an elevational gradient in a subtropical forest. <i>Oecologia</i> , 2019, 191, 153-164.	0.9	27
324	Lost in trait space: species-poor communities are inflexible in properties that drive ecosystem functioning. <i>Advances in Ecological Research</i> , 2019, , 91-131.	1.4	14
325	Functional composition of epiphyte communities in the Colombian Andes. <i>Ecology</i> , 2019, 100, e02858.	1.5	16
326	Leaf reflectance spectroscopy captures variation in carboxylation capacity across species, canopy environment and leaf age in lowland moist tropical forests. <i>New Phytologist</i> , 2019, 224, 663-674.	3.5	55
327	Effects of current climate, paleo-climate, and habitat heterogeneity in determining biogeographical patterns of evergreen broad-leaved woody plants in China. <i>Journal of Chinese Geography</i> , 2019, 29, 1142-1158.	1.5	15

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328	Effectiveness of modern leaf analysis tools for the morphoecological study of plants: the case of <i>Primula albenensis</i> . <i>Nordic Journal of Botany</i> , 2019, 37, .	0.2	5
329	Linking Aboveground Traits to Root Traits and Local Environment: Implications of the Plant Economics Spectrum. <i>Frontiers in Plant Science</i> , 2019, 10, 1412.	1.7	46
330	Applying continuous functional traits to large brown macroalgae: variation across tidal emersion and wave exposure gradients. <i>Marine Biology</i> , 2019, 166, 1.	0.7	11
331	Tradeoffs in hyphal traits determine mycelium architecture in saprobic fungi. <i>Scientific Reports</i> , 2019, 9, 14152.	1.6	22
332	Climate, Life Form and Family Jointly Control Variation of Leaf Traits. <i>Plants</i> , 2019, 8, 286.	1.6	8
333	Mesophyll thickness and sclerophylly among <i>Calotropis procera</i> morphotypes reveal water-saved adaptation to environments. <i>Journal of Arid Land</i> , 2019, 11, 795-810.	0.9	24
334	Plant functional assembly is mediated by rainfall and soil conditions in a seasonally dry tropical forest. <i>Basic and Applied Ecology</i> , 2019, 40, 1-11.	1.2	36
335	A scoping review of "think-family" approaches in healthcare settings. <i>Journal of Public Health</i> , 2020, 42, 21-37.	1.0	12
336	A heuristic classification of woody plants based on contrasting shade and drought strategies. <i>Tree Physiology</i> , 2019, 39, 767-781.	1.4	12
337	Accumulating crop functional trait data with citizen science. <i>Scientific Reports</i> , 2019, 9, 15715.	1.6	24
338	Alternative plant designs: consequences for community assembly and ecosystem functioning. <i>Annals of Botany</i> , 2020, 125, 391-398.	1.4	14
339	Identification of key parameters controlling demographically structured vegetation dynamics in a land surface model: CLM4.5(FATES). <i>Geoscientific Model Development</i> , 2019, 12, 4133-4164.	1.3	32
340	Robustness of trait connections across environmental gradients and growth forms. <i>Global Ecology and Biogeography</i> , 2019, 28, 1806-1826.	2.7	56
341	Physical and Functional Constraints on Viable Belowground Acquisition Strategies. <i>Frontiers in Plant Science</i> , 2019, 10, 1215.	1.7	115
342	Taking plant-soil feedbacks to the field in a temperate grassland. <i>Basic and Applied Ecology</i> , 2019, 40, 30-42.	1.2	17
343	Inferring plant functional diversity from space: the potential of Sentinel-2. <i>Remote Sensing of Environment</i> , 2019, 233, 111368.	4.6	56
344	Environmental gradients influence differences in leaf functional traits between native and non-native plants. <i>Oecologia</i> , 2019, 191, 397-409.	0.9	19
345	Are underground organs able to store water and nutrients? A study case in non-arboreal species from the Brazilian Cerrado. <i>Theoretical and Experimental Plant Physiology</i> , 2019, 31, 413-421.	1.1	15

#	ARTICLE	IF	CITATIONS
346	Intraspecific variation on epiphytic bacterial community from <i>Laguncularia racemosa</i> phylloplane. <i>Brazilian Journal of Microbiology</i> , 2019, 50, 1041-1050.	0.8	3
347	A growthâ€“defense trade-off is general across native and exotic grasses. <i>Oecologia</i> , 2019, 191, 609-620.	0.9	31
348	Snow is an important control of plant community functional composition in oroarctic tundra. <i>Oecologia</i> , 2019, 191, 601-608.	0.9	15
349	Larger direct than indirect effects of multiple environmental changes on leaf nitrogen of forest herbs. <i>Plant and Soil</i> , 2019, 445, 199-216.	1.8	9
350	PalmTraits 1.0, a species-level functional trait database of palms worldwide. <i>Scientific Data</i> , 2019, 6, 178.	2.4	51
351	Factors that alter the relative importance of abiotic and biotic drivers on the fertile island in a desert-oasis ecotone. <i>Science of the Total Environment</i> , 2019, 697, 134096.	3.9	27
352	<scp>CoordinateCleaner</scp>: Standardized cleaning of occurrence records from biological collection databases. <i>Methods in Ecology and Evolution</i> , 2019, 10, 744-751.	2.2	473
353	Domestic gardens play a dominant role in selecting alien species with adaptive strategies that facilitate naturalization. <i>Global Ecology and Biogeography</i> , 2019, 28, 628-639.	2.7	47
354	Convergence of ecophysiological traits drives floristic composition of early lineage vascular plants in a tropical forest floor. <i>Annals of Botany</i> , 2019, 123, 793-803.	1.4	10
355	Î”Trait<scp>SDMs</scp>: species distribution models that account for local adaptation and phenotypic plasticity. <i>New Phytologist</i> , 2019, 222, 1757-1765.	3.5	181
356	Habitats shape taxonomic and functional composition of Neotropical ant assemblages. <i>Oecologia</i> , 2019, 189, 501-513.	0.9	30
357	Fire can weaken or trigger functional responses of trees to flooding in wetland forest patches. <i>Journal of Vegetation Science</i> , 2019, 30, 521-532.	1.1	11
358	Traitâ€“based approach confirms the importance of propagule limitation and assembly rules in oldâ€“field restoration. <i>Restoration Ecology</i> , 2019, 27, 840-849.	1.4	18
359	Plantâ€“environment interactions through a functional traits perspective: a review of Italian studies. <i>Plant Biosystems</i> , 2019, 153, 853-869.	0.8	48
360	Advantages of retrieving pigment content [ $\mu\text{g}/\text{cm}^2$ ] versus concentration [%] from canopy reflectance. <i>Remote Sensing of Environment</i> , 2019, 230, 111195.	4.6	38
361	Examining variation in hydraulic and resource acquisition traits along climatic gradients tests our understanding of plant form and function. <i>New Phytologist</i> , 2019, 223, 505-507.	3.5	7
362	Alien plant species invade by occupying similar functional spaces to native species. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 257, 151419.	0.6	28
363	The relative contributions of climate, soil, diversity and interactions to leaf trait variation and spectrum of invasive <i>Solidago canadensis</i> . <i>BMC Ecology</i> , 2019, 19, 24.	3.0	13

#	ARTICLE	IF	CITATIONS
364	Lamina shape does not correlate with lamina surface area: An analysis based on the simplified Gielis equation. <i>Global Ecology and Conservation</i> , 2019, 19, e00666.	1.0	35
365	Leaf economics and plant hydraulics drive leaf : wood area ratios. <i>New Phytologist</i> , 2019, 224, 1544-1556.	3.5	77
366	Regional rainfall and local topography jointly drive tree community assembly in lowland tropical forests of New Caledonia. <i>Journal of Vegetation Science</i> , 2019, 30, 845-856.	1.1	15
367	Correlated Induction of Phytohormones and Glucosinolates Shapes Insect Herbivore Resistance of Cardamine Species Along Elevational Gradients. <i>Journal of Chemical Ecology</i> , 2019, 45, 638-648.	0.9	5
368	The functional trait spectrum of European temperate grasslands. <i>Journal of Vegetation Science</i> , 2019, 30, 777-788.	1.1	17
369	Standing volume yield, canopy structure and allometric relationships of dominant urban trees in Melbourne, Australia. <i>Urban Forestry and Urban Greening</i> , 2019, 43, 126363.	2.3	2
370	A unified framework for plant lifeâ€œhistory strategies shaped by fire and herbivory. <i>New Phytologist</i> , 2019, 224, 1490-1503.	3.5	70
371	Stable or seral? Fire-driven alternative states in aspen forests of western North America. <i>Biology Letters</i> , 2019, 15, 20190011.	1.0	15
372	Disturbance history mediates climate change effects on subtropical forest biomass and dynamics. <i>Ecology and Evolution</i> , 2019, 9, 7184-7199.	0.8	16
373	The functional trait space of tree species is influenced by the species richness of the canopy and the type of forest. <i>Oikos</i> , 2019, 128, 1435-1445.	1.2	26
374	The role of phenotypic plasticity and rapid adaptation in determining invasion success of <i>Plantago virginica</i> . <i>Biological Invasions</i> , 2019, 21, 2679-2692.	1.2	22
375	<i>Land Plants.</i> , 2019, , 347-397.		2
376	Leaf size as a key determinant of contrasting growth patterns in closely related <i>Limonium</i> (Plumbaginaceae) species. <i>Journal of Plant Physiology</i> , 2019, 240, 152984.	1.6	6
377	Expert allocation of primary growth form to the New South Wales flora underpins the biodiversity assessment method. <i>Australasian Journal of Environmental Management</i> , 2019, 26, 124-136.	0.6	10
378	Aspects of Invasiveness of <i>Ludwigia</i> and <i>Nelumbo</i> in Shallow Temperate Fluvial Lakes. <i>Frontiers in Plant Science</i> , 2019, 10, 647.	1.7	13
379	Assessing similarity of <i>n</i> -dimensional hypervolumes: Which metric to use?. <i>Journal of Biogeography</i> , 2019, 46, 2012-2023.	1.4	64
380	Projected losses of global mammal and bird ecological strategies. <i>Nature Communications</i> , 2019, 10, 2279.	5.8	106
381	Variability in growth and biomass allocation and the phenotypic plasticity of seven <i>Prosopis pallida</i> populations in response to water availability. <i>Trees - Structure and Function</i> , 2019, 33, 1409-1422.	0.9	13

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382	Succulent plant diversity as natural capital. <i>Plants People Planet</i> , 2019, 1, 336-345.	1.6	40
383	Radiative transfer modelling reveals why canopy reflectance follows function. <i>Scientific Reports</i> , 2019, 9, 6541.	1.6	18
384	Patterns and ecological determinants of woody plant height in eastern Eurasia and its relation to primary productivity. <i>Journal of Plant Ecology</i> , 2019, 12, 791-803.	1.2	15
385	Inferring phenotypic plasticity and population responses to climate across tree species ranges using forest inventory data. <i>Global Ecology and Biogeography</i> , 2019, 28, 1259-1271.	2.7	17
386	Integrated metabolic strategy: A framework for predicting the evolution of carbon-water tradeoffs within plant clades. <i>Journal of Ecology</i> , 2019, 107, 1633-1644.	1.9	13
387	On the relevance of intraspecific trait variability – A synthesis of 56 dry grassland sites across Europe. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 161-172.	0.6	19
388	Environment- and trait-mediated scaling of tree occupancy in forests worldwide. <i>Global Ecology and Biogeography</i> , 2019, 28, 1155-1167.	2.7	2
389	A theory of pulse dynamics and disturbance in ecology. <i>Ecology</i> , 2019, 100, e02734.	1.5	165
390	Functional traits explaining plant responses to past and future climate changes. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 1-11.	0.6	48
391	Form and character diversity of potential world vegetation. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 203-221.	0.6	5
392	Multidimensional ecological analyses demonstrate how interactions between functional traits shape fitness and life history strategies. <i>Journal of Ecology</i> , 2019, 107, 2317-2328.	1.9	58
393	A height-wood-seed axis which is preserved across climatic regions explains tree dominance in European forest communities. <i>Plant Ecology</i> , 2019, 220, 467-480.	0.7	4
394	Short-term responses in a secondary tropical forest after a severe windstorm event. <i>Journal of Vegetation Science</i> , 2019, 30, 720-731.	1.1	6
395	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. <i>Nature Ecology and Evolution</i> , 2019, 3, 928-934.	3.4	120
396	Mycorrhizal Fungi Enhance Resistance to Herbivores in Tomato Plants with Reduced Jasmonic Acid Production. <i>Agronomy</i> , 2019, 9, 131.	1.3	24
397	Future direction of searching for root economics spectrum: focusing on the fibrous roots – ‘absorptive unit’. <i>Ecosphere</i> , 2019, 10, e02716.	1.0	7
398	Does trait variation within broadly distributed species mirror patterns across species? A case study in Puerto Rico. <i>Ecology</i> , 2019, 100, e02745.	1.5	34
399	Do longer growing seasons give introduced plants an advantage over native plants in Interior Alaska?. <i>Botany</i> , 2019, 97, 347-362.	0.5	9

#	ARTICLE	IF	CITATIONS
400	Trait-based community assembly pattern along a forest succession gradient in a seasonally dry tropical forest. <i>Ecosphere</i> , 2019, 10, e02719.	1.0	24
401	Deterministic processes drive functional and phylogenetic temporal changes of woody species in temperate forests in Northeast China. <i>Annals of Forest Science</i> , 2019, 76, 1.	0.8	10
402	Functional and phylogenetic consequences of plant invasion for coastal native communities. <i>Journal of Vegetation Science</i> , 2019, 30, 510-520.	1.1	25
403	Biodiversity data integration—the significance of data resolution and domain. <i>PLoS Biology</i> , 2019, 17, e3000183.	2.6	81
404	Interactions between plant genome size, nutrients and herbivory by rabbits, molluscs and insects on a temperate grassland. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182619.	1.2	16
405	Are ecophysiological adaptive traits decoupled from leaf economics traits in wetlands?. <i>Functional Ecology</i> , 2019, 33, 1202-1210.	1.7	20
406	A study of functional traits reveals serpentinomorphoses and new taxa in populations of Mediterranean <i>Genista</i> (Fabaceae). <i>Phytotaxa</i> , 2019, 394, 244.	0.1	0
407	Variability of functional traits and their syndromes in a freshwater fish species ( <i>Phoxinus phoxinus</i> ). <i>Journal of Fish Biology</i> , 2019, 95, 2833-2846.	0.8	18
408	Drier tropical forests are susceptible to functional changes in response to a long-term drought. <i>Ecology Letters</i> , 2019, 22, 855-865.	3.0	75
409	Relationships between plant traits, soil properties and carbon fluxes differ between monocultures and mixed communities in temperate grassland. <i>Journal of Ecology</i> , 2019, 107, 1704-1719.	1.9	56
410	Seedling traits predict drought-induced mortality linked to diversity loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5576-5581.	3.3	84
411	Plant functional indicators of vegetation response to climate change, past present and future: I. Trends, emerging hypotheses and plant functional modality. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 12-30.	0.6	18
412	Intraspecific Functional Trait Response to Advanced Snowmelt Suggests Increase of Growth Potential but Decrease of Seed Production in Snowbed Plant Species. <i>Frontiers in Plant Science</i> , 2019, 10, 289.	1.7	19
413	Integrating nitrogen fixing structures into above- and belowground functional trait spectra in soy ( <i>Glycine max</i> ). <i>Plant and Soil</i> , 2019, 440, 53-69.	1.8	13
414	Overlooked Parrot Seed Dispersal in Australia and South America: Insights on the Evolution of Dispersal Syndromes and Seed Size in <i>Araucaria</i> Trees. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	28
415	Phylogenetic, functional, and taxonomic richness have both positive and negative effects on ecosystem multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8419-8424.	3.3	199
416	Functional biogeography of dietary strategies in birds. <i>Global Ecology and Biogeography</i> , 2019, 28, 1004-1017.	2.7	16
417	Plant functional trait shifts explain concurrent changes in the structure and function of grassland soil microbial communities. <i>Journal of Ecology</i> , 2019, 107, 2197-2210.	1.9	57



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418	An integrated phenotypic trait-network in thermo-Mediterranean vegetation describing alternative, coexisting resource-use strategies. <i>Science of the Total Environment</i> , 2019, 672, 583-592.	3.9	18
419	Functional diversity and composition of Caatinga woody flora are negatively impacted by chronic anthropogenic disturbance. <i>Journal of Ecology</i> , 2019, 107, 2291-2302.	1.9	30
420	Plant functional indicators of vegetation response to climate change, past present and future: II. Modal plant functional types as response indicators for present and future climates. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 31-58.	0.6	13
421	Grassland plants show no relationship between leaf drought tolerance and soil moisture affinity, but rapidly adjust to changes in soil moisture. <i>Functional Ecology</i> , 2019, 33, 774-785.	1.7	19
422	Stature of dependent forbs is more related to the direct and indirect above- and below-ground effects of a subalpine shrub than are foliage traits. <i>Journal of Vegetation Science</i> , 2019, 30, 403-412.	1.1	8
423	The hydraulic efficiency-safety tradeoff differs between lianas and trees. <i>Ecology</i> , 2019, 100, e02666.	1.5	65
424	Speciation Rate Is Independent of the Rate of Evolution of Morphological Size, Shape, and Absolute Morphological Specialization in a Large Clade of Birds. <i>American Naturalist</i> , 2019, 193, E78-E91.	1.0	37
425	Plant community strategies responses to recent eruptions of Popocatepetl volcano, Mexico. <i>Journal of Vegetation Science</i> , 2019, 30, 375-385.	1.1	14
426	Traits uncover quasi-neutral community assembly in a coastal heath vegetation. <i>Journal of Plant Ecology</i> , 2019, 12, 703-712.	1.2	5
427	Global tradeoffs of functional redundancy and functional dispersion for birds and mammals. <i>Global Ecology and Biogeography</i> , 2019, 28, 484-495.	2.7	95
428	Hydraulic traits are coordinated with maximum plant height at the global scale. <i>Science Advances</i> , 2019, 5, eaav1332.	4.7	113
429	Life history is a key factor explaining functional trait diversity among subtropical grasses, and its influence differs between C3 and C4 species. <i>Journal of Experimental Botany</i> , 2019, 70, 1567-1580.	2.4	22
430	Tree size and leaf traits determine the fertility island effect in <i>Prosopis pallida</i> dryland forest in Northern Peru. <i>Plant and Soil</i> , 2019, 437, 117-135.	1.8	20
431	Practical steps to digital organism models, from laboratory model species to Crops in silico. <i>Journal of Experimental Botany</i> , 2019, 70, 2403-2418.	2.4	19
432	Effects of temperature on the cuticular transpiration barrier of two desert plants with water-spender and water-saver strategies. <i>Journal of Experimental Botany</i> , 2019, 70, 1613-1625.	2.4	71
433	Tradeoffs between growth rate and water-use efficiency in seedlings of native perennials but not invasive annuals. <i>Plant Ecology</i> , 2019, 220, 361-369.	0.7	12
434	Metabolite profiles reveal interspecific variation in operation of the Calvin-Benson cycle in both C4 and C3 plants. <i>Journal of Experimental Botany</i> , 2019, 70, 1843-1858.	2.4	47
435	Traits linked with species invasiveness and community invasibility vary with time, stage and indicator of invasion in a long-term grassland experiment. <i>Ecology Letters</i> , 2019, 22, 593-604.	3.0	103

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436	Nitrogen uptake and biomass resprouting show contrasting relationships with resource acquisitive and conservative plant traits. <i>Journal of Vegetation Science</i> , 2019, 30, 65-74.	1.1	9
437	Reply to "No evidence for different metabolism in domestic mammals". <i>Nature Ecology and Evolution</i> , 2019, 3, 323-323.	3.4	0
438	Make it simpler: Alien species decrease functional diversity of coastal plant communities. <i>Journal of Vegetation Science</i> , 2019, 30, 498-509.	1.1	52
439	Foraging modes of carnivorous plants. <i>Israel Journal of Ecology and Evolution</i> , 2020, 66, 101-112.	0.2	5
440	Similar Impacts of Alien and Native Tree Species on Understory Light Availability in a Temperate Forest. <i>Forests</i> , 2019, 10, 951.	0.9	19
441	Time for a Plant Structural Economics Spectrum. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	1.0	47
442	Desert-like badlands and surrounding (semi-)dry grasslands of Central Germany promote small-scale phenotypic and genetic differentiation in <i>Thymus praecox</i> . <i>Ecology and Evolution</i> , 2019, 9, 14066-14084.	0.8	10
443	Cuticular wax coverage and its transpiration barrier properties in <i>Quercus coccifera</i> L. leaves: does the environment matter?. <i>Tree Physiology</i> , 2019, , .	1.4	2
444	Site fertility drives temporal turnover of vegetation at high latitudes. <i>Ecology and Evolution</i> , 2019, 9, 13255-13266.	0.8	7
445	Linking Remote Sensing and Geodiversity and Their Traits Relevant to Biodiversity"Part I: Soil Characteristics. <i>Remote Sensing</i> , 2019, 11, 2356.	1.8	46
446	Quantifying leaf-trait covariation and its controls across climates and biomes. <i>New Phytologist</i> , 2019, 221, 155-168.	3.5	60
447	Using plant, microbe, and soil fauna traits to improve the predictive power of biogeochemical models. <i>Methods in Ecology and Evolution</i> , 2019, 10, 146-157.	2.2	41
448	Climate shapes and shifts functional biodiversity in forests worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 587-592.	3.3	131
449	Plant trait variation along environmental indicators to infer global change impacts. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 113-121.	0.6	20
450	Deciphering the growth form variation of the Mediterranean chamaephyte <i>Thymus vulgaris</i> L. using architectural traits and their relations with different habitats. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 251, 1-10.	0.6	9
451	Linking genes with ecological strategies in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 1141-1151.	2.4	37
452	Local topographic and edaphic factors largely predict shrub encroachment in Mediterranean drylands. <i>Science of the Total Environment</i> , 2019, 657, 310-318.	3.9	17
453	Contrasting nitrogen fluxes in African tropical forests of the Congo Basin. <i>Ecological Monographs</i> , 2019, 89, e01342.	2.4	39

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454	Leaf temperatures mediate alpine plant communities' response to a simulated extended summer. <i>Ecology and Evolution</i> , 2019, 9, 1227-1243.	0.8	3
455	Adaptive significance of functional germination traits in crop wild relatives of Brassica. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 343-350.	1.9	16
456	Morphological diversity of freshwater fishes differs between realms, but morphologically extreme species are widespread. <i>Global Ecology and Biogeography</i> , 2019, 28, 211-221.	2.7	36
457	Plant traits inform predictions of tundra responses to global change. <i>New Phytologist</i> , 2019, 221, 1742-1748.	3.5	70
458	Functional responses of four Sahelian tree species to resource availability. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 181-187.	0.6	2
459	Disentangling the influence of aridity and salinity on community functional and phylogenetic diversity in local dryland vegetation. <i>Science of the Total Environment</i> , 2019, 653, 409-422.	3.9	26
460	Botanic gardens are an untapped resource for studying the functional ecology of tropical plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20170390.	1.8	16
461	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. <i>Global Ecology and Biogeography</i> , 2019, 28, 78-95.	2.7	49
462	Mechanisms of seed mass variation along resource gradients. <i>Ecology Letters</i> , 2019, 22, 181-189.	3.0	26
463	Adjustments and coordination of hydraulic, leaf and stem traits along a water availability gradient. <i>New Phytologist</i> , 2019, 223, 632-646.	3.5	184
464	What makes a weed a weed? A large-scale evaluation of arable weeds through a functional lens. <i>American Journal of Botany</i> , 2019, 106, 90-100.	0.8	63
465	Why are plants' soil feedbacks so unpredictable, and what to do about it?. <i>Functional Ecology</i> , 2019, 33, 118-128.	1.7	91
466	Towards a multi-trophic extension of metacommunity ecology. <i>Ecology Letters</i> , 2019, 22, 19-33.	3.0	79
467	Large-scale environmental niche variation between clonal and non-clonal plant species: Roles of clonal growth organs and ecoregions. <i>Science of the Total Environment</i> , 2019, 652, 1071-1076.	3.9	12
468	An extensive suite of functional traits distinguishes Hawaiian wet and dry forests and enables prediction of species vital rates. <i>Functional Ecology</i> , 2019, 33, 712-734.	1.7	37
469	Plastic and genetic responses of a common sedge to warming have contrasting effects on carbon cycle processes. <i>Ecology Letters</i> , 2019, 22, 159-169.	3.0	25
470	Ecological strategies of tree species in the laurel forest of Tenerife (Canary Islands): an insight into cloud forest natural dynamics using long-term monitoring data. <i>European Journal of Forest Research</i> , 2019, 138, 93-110.	1.1	5
471	The leaf economic spectrum drives leaf litter decomposition in Mediterranean forests. <i>Plant and Soil</i> , 2019, 435, 353-366.	1.8	27

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472	Ecosystem Traits Linking Functional Traits to Macroecology. <i>Trends in Ecology and Evolution</i> , 2019, 34, 200-210.	4.2	140
473	Differentiating plant functional types using reflectance: which traits make the difference?. <i>Remote Sensing in Ecology and Conservation</i> , 2019, 5, 5-19.	2.2	69
474	Logging and soil nutrients independently explain plant trait expression in tropical forests. <i>New Phytologist</i> , 2019, 221, 1853-1865.	3.5	69
475	Long-term effects of grazing intensity on strategies and spatial components of functional diversity in subtropical grassland. <i>Applied Vegetation Science</i> , 2019, 22, 39-47.	0.9	29
476	A research agenda for seed-trait functional ecology. <i>New Phytologist</i> , 2019, 221, 1764-1775.	3.5	218
477	Comparative water relations of co-occurring trees in a mixed podocarp-broadleaf forest. <i>Journal of Plant Ecology</i> , 2019, 12, 163-175.	1.2	3
478	Narrow endemic species <i>Bellevalia webbiana</i> shows significant intraspecific variation in tertiary CSR strategy. <i>Plant Biosystems</i> , 2019, 153, 12-18.	0.8	14
479	Plant traits related to leaf decomposition processes in arid ecosystems of northern Patagonia. <i>Journal of Plant Ecology</i> , 2019, 12, 216-227.	1.2	1
480	Plant mobility in the Mesozoic: Disseminal dispersal strategies of Chinese and Australian Middle Jurassic to Early Cretaceous plants. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 515, 47-69.	1.0	14
481	Plant Traits Rather than Species Richness Explain Ecological Processes in Subtropical Forests. <i>Ecosystems</i> , 2020, 23, 52-66.	1.6	27
482	A Meta-analysis of Natural Selection on Plant Functional Traits. <i>International Journal of Plant Sciences</i> , 2020, 181, 44-55.	0.6	30
483	Learning from Dynamic Traits: Seasonal Shifts Yield Insights into Ecophysiological Trade-Offs across Scales from Macroevolutionary to Intraindividual. <i>International Journal of Plant Sciences</i> , 2020, 181, 88-102.	0.6	10
484	Predictability of Leaf Morphological Traits for Paleoecological Reconstruction: The Case of Leaf Cuticle and Leaf Dry Mass per Area. <i>International Journal of Plant Sciences</i> , 2020, 181, 129-141.	0.6	5
485	Relative Importance of Climate, Soil and Plant Functional Traits During the Early Decomposition Stage of Standardized Litter. <i>Ecosystems</i> , 2020, 23, 1004-1018.	1.6	43
486	The response of stomatal conductance to seasonal drought in tropical forests. <i>Global Change Biology</i> , 2020, 26, 823-839.	4.2	60
487	Reproductive phenology as a dimension of the phenotypic space in 139 plant species from the Mediterranean. <i>New Phytologist</i> , 2020, 225, 740-753.	3.5	19
488	Tree diversity is key for promoting the diversity and abundance of forest-associated taxa in Europe. <i>Oikos</i> , 2020, 129, 133-146.	1.2	80
489	Phenological responses to climate change in communities of plants species with contrasting functional strategies. <i>Environmental and Experimental Botany</i> , 2020, 170, 103852.	2.0	29

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490	Functional ecology of congeneric variation in the leaf economics spectrum. <i>New Phytologist</i> , 2020, 225, 196-208.	3.5	15
491	Natural selection acting on integrated phenotypes: covariance among functional leaf traits increases plant fitness. <i>New Phytologist</i> , 2020, 225, 546-557.	3.5	32
492	Leaf Traits and Aboveground Biomass Variability of Forest Understory Herbaceous Plant Species. <i>Ecosystems</i> , 2020, 23, 555-569.	1.6	25
493	Growthâ€trait relationships in subtropical forest are stronger at higher diversity. <i>Journal of Ecology</i> , 2020, 108, 256-266.	1.9	18
494	Plant communities on nitrogenâ€rich soil are less sensitive to soil moisture than plant communities on nitrogenâ€poor soil. <i>Journal of Ecology</i> , 2020, 108, 133-144.	1.9	20
495	Plant phylogenetic history explains inâ€stream decomposition at a global scale. <i>Journal of Ecology</i> , 2020, 108, 17-35.	1.9	30
496	The climatic challenge: Which plants will people use in the next century?. <i>Environmental and Experimental Botany</i> , 2020, 170, 103872.	2.0	45
497	Root Endophytes of Coffee ( <i>Coffea arabica</i> ): Variation Across Climatic Gradients and Relationships with Functional Traits. <i>Phytobiomes Journal</i> , 2020, 4, 27-39.	1.4	41
498	From local to regional: Functional diversity in differently managed alpine grasslands. <i>Remote Sensing of Environment</i> , 2020, 236, 111415.	4.6	28
499	Leaf drought tolerance cannot be inferred from classic leaf traits in a tropical rainforest. <i>Journal of Ecology</i> , 2020, 108, 1030-1045.	1.9	29
500	A global database for metacommunity ecology, integrating species, traits, environment and space. <i>Scientific Data</i> , 2020, 7, 6.	2.4	28
501	Does the leaf economic spectrum hold within plant functional types? A Bayesian multivariate trait meta-analysis. <i>Ecological Applications</i> , 2020, 30, e02064.	1.8	22
502	Linking yard plant diversity to homeownersâ€™ landscaping priorities across the U.S. <i>Landscape and Urban Planning</i> , 2020, 196, 103730.	3.4	23
503	TRYâ€™A plant trait database of databases. <i>Global Change Biology</i> , 2020, 26, 189-190.	4.2	38
504	TRY plant trait database â€™ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
505	Flood disturbance and shade stress shape the population structure of a palm <i>Euterpe precatoria</i> , the most abundant Amazon species. <i>Botany</i> , 2020, 98, 147-160.	0.5	3
506	Fragmented tropical forests lose mutualistic plantâ€™animal interactions. <i>Diversity and Distributions</i> , 2020, 26, 154-168.	1.9	37
507	Switching of dominant positions between two sandâ€™fixing shrub species during the dune revegetation process is underlain by their contrasting xylem hydraulics and waterâ€™use strategies. <i>Land Degradation and Development</i> , 2020, 31, 1195-1205.	1.8	10

#	ARTICLE	IF	CITATIONS
508	Correlated evolution of morphology, gas exchange, growth rates and hydraulics as a response to precipitation and temperature regimes in oaks ( <i>Quercus</i> ). <i>New Phytologist</i> , 2020, 227, 794-809.	3.5	45
509	Cuticular wax coverage and its transpiration barrier properties in <i>Quercus coccifera</i> L. leaves: does the environment matter?. <i>Tree Physiology</i> , 2020, 40, 827-840.	1.4	22
510	Drivers of aboveground biomass of high mountain vegetation in the Andes. <i>Acta Oecologica</i> , 2020, 102, 103504.	0.5	4
511	Similar factors underlie tree abundance in forests in native and alien ranges. <i>Global Ecology and Biogeography</i> , 2020, 29, 281-294.	2.7	21
512	Leaf vascular architecture in temperate dicotyledons: correlations and link to functional traits. <i>Planta</i> , 2020, 251, 17.	1.6	9
513	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.	4.2	37
514	Relevance of the ecological traits of parasitoid wasps and nectariferous plants for conservation biological control: a hybrid meta-analysis. <i>Pest Management Science</i> , 2020, 76, 1881-1892.	1.7	9
515	Cross-scale drivers of plant trait distributions in a fragmented forest landscape. <i>Ecography</i> , 2020, 43, 467-479.	2.1	5
516	Light and warming drive forest understorey community development in different environments. <i>Global Change Biology</i> , 2020, 26, 1681-1696.	4.2	42
517	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.	1.7	9
518	Variations in leaf economics spectrum traits for an evergreen coniferous species: Tree size dominates over environment factors. <i>Functional Ecology</i> , 2020, 34, 458-467.	1.7	27
519	Vegetation monitoring in a 100-year-old calcareous grassland reserve in Germany. <i>Basic and Applied Ecology</i> , 2020, 42, 15-26.	1.2	15
520	Functional traits explain the Hutchinsonian niches of plant species. <i>Global Ecology and Biogeography</i> , 2020, 29, 534-545.	2.7	32
521	Root traits mediate functional guilds of soil nematodes in an ex-arable field. <i>Soil Biology and Biochemistry</i> , 2020, 151, 108038.	4.2	25
522	Contrasting Impacts of Cultivated Exotics on the Functional Diversity of Domestic Gardens in Three Regions with Different Aridity. <i>Ecosystems</i> , 2021, 24, 875-890.	1.6	2
523	Leaf functional traits and insular colonization: Subtropical islands as a melting pot of trait diversity in a widespread plant lineage. <i>Journal of Biogeography</i> , 2020, 47, 2362-2376.	1.4	14
524	Mapping the bacterial metabolic niche space. <i>Nature Communications</i> , 2020, 11, 4887.	5.8	27
525	Plasticity and the role of mass-scaling in allocation, morphology, and anatomical trait responses to above- and belowground resource limitation in cultivated sunflower ( <i>Helianthus annuus</i> L.). <i>Plant Direct</i> , 2020, 4, e00274.	0.8	5

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526	What do you mean "functional" in ecology? Patterns versus processes. <i>Ecology and Evolution</i> , 2020, 10, 11875-11885.	0.8	32
527	Global gaps in trait data for terrestrial vertebrates. <i>Global Ecology and Biogeography</i> , 2020, 29, 2143-2158.	2.7	64
528	Belowground changes to community structure alter methane-cycling dynamics in Amazonia. <i>Environment International</i> , 2020, 145, 106131.	4.8	18
529	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. <i>Nature Ecology and Evolution</i> , 2020, 4, 1602-1611.	3.4	114
530	An ecological future for weed science to sustain crop production and the environment. A review. <i>Agronomy for Sustainable Development</i> , 2020, 40, 1.	2.2	148
531	Climate and phylogenetic history structure morphological and architectural trait variation among fine-root orders. <i>New Phytologist</i> , 2020, 228, 1824-1834.	3.5	25
532	Growth and reproductive responses of <i>Polygonum hydropiper</i> populations to elevational difference associated with flooding. <i>Global Ecology and Conservation</i> , 2020, 23, e01156.	1.0	3
533	Are endemic species necessarily ecological specialists? Functional variability and niche differentiation of two threatened <i>Dianthus</i> species in the montane steppes of northeastern Iran. <i>Scientific Reports</i> , 2020, 10, 11774.	1.6	16
534	Intraspecific Variation of Samara Dispersal Traits in the Endangered Tropical Tree <i>Hopea hainanensis</i> (Dipterocarpaceae). <i>Frontiers in Plant Science</i> , 2020, 11, 599764.	1.7	12
535	Traits database of tidal flat macrobenthos along the Northwest Pacific coast of Japan. <i>Ecological Research</i> , 2020, 35, 1062-1072.	0.7	4
536	Above-belowground linkages of functionally dissimilar plant communities and soil properties in a grassland experiment. <i>Ecosphere</i> , 2020, 11, e03246.	1.0	7
537	Influence of Climate and Management on Patterns of Taxonomic and Functional Diversity of Recreational Park Vegetation. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	8
538	The acquisitive-conservative axis of leaf trait variation emerges even in homogeneous environments. <i>Annals of Botany</i> , 2022, 129, 709-722.	1.4	18
539	Trait coordination and environmental filters shape functional trait distributions of forest understory herbs. <i>Ecology and Evolution</i> , 2020, 10, 14098-14112.	0.8	10
540	A handbook for the standardised sampling of plant functional traits in disturbance-prone ecosystems, with a focus on open ecosystems. <i>Australian Journal of Botany</i> , 2020, 68, 473.	0.3	38
541	Linking plant strategies to environmental processes in floodplains of lowland rivers. <i>Journal of Hydro-Environment Research</i> , 2020, 30, 45-62.	1.0	1
542	Functional traits: Adaption of ferns in forest. <i>Journal of Systematics and Evolution</i> , 2021, 59, 1040-1050.	1.6	8
543	Restoring diversity of thermophilous oak forests: connectivity and proximity to existing habitats matter. <i>Biodiversity and Conservation</i> , 2020, 29, 3411-3427.	1.2	12

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544	Multifaceted functional diversity for multifaceted crop yield: Towards ecological assembly rules for varietal mixtures. <i>Journal of Applied Ecology</i> , 2020, 57, 2285-2295.	1.9	22
545	From abundance-based to functional-based indicator species. <i>Ecological Indicators</i> , 2020, 118, 106761.	2.6	9
546	Diversity-decomposition relationships in forests worldwide. <i>ELife</i> , 2020, 9, .	2.8	45
547	Inferring Species Diversity and Variability over Climatic Gradient with Spectral Diversity Metrics. <i>Remote Sensing</i> , 2020, 12, 2130.	1.8	7
548	Young clonal and non-clonal herbs differ in growth strategy but not in aboveground biomass compensation after disturbance. <i>Oecologia</i> , 2020, 193, 925-935.	0.9	4
549	Ethnoindicators of Environmental Change: Local Knowledge used for Rangeland Management Among Smallholders of Patagonia. <i>Rangeland Ecology and Management</i> , 2020, 73, 594-606.	1.1	14
550	One leaf for all: Chemical traits of single leaves measured at the leaf surface using near-infrared reflectance spectroscopy. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1061-1071.	2.2	12
551	Species traits are better determinants of mobility than management in a species-rich meadow. <i>Journal of Vegetation Science</i> , 2020, 31, 686-698.	1.1	3
552	Adaptive strategies and driving factors of a montane riparian tree: Trait-specific mechanisms across latitude. <i>Science of the Total Environment</i> , 2020, 749, 141578.	3.9	2
553	Morphological variation of fine root systems and leaves in primary and secondary tropical forests of Hainan Island, China. <i>Annals of Forest Science</i> , 2020, 77, 1.	0.8	9
554	Functional traits in macrophyte studies: Current trends and future research agenda. <i>Aquatic Botany</i> , 2020, 167, 103290.	0.8	46
555	Positive response of seedlings from an old-growth grassland to soil quality improvement. <i>Revista Brasileira De Botanica</i> , 2020, 43, 1037-1045.	0.5	2
557	Height-diameter allometric relationships for seedlings and trees across China. <i>Acta Oecologica</i> , 2020, 108, 103621.	0.5	7
558	Detecting the drivers of functional diversity in a local lichen flora: a case study on the extinct volcano of Roccamonfina (southern Italy). <i>Oecologia</i> , 2020, 194, 757-770.	0.9	0
559	Functional-structural plant models to boost understanding of complementarity in light capture and use in mixed-species forests. <i>Basic and Applied Ecology</i> , 2020, 48, 92-101.	1.2	13
560	Angiosperms at the edge: Extremity, diversity, and phylogeny. <i>Plant, Cell and Environment</i> , 2020, 43, 2871-2893.	2.8	32
561	Herbarium-based measurements reliably estimate three functional traits. <i>American Journal of Botany</i> , 2020, 107, 1457-1464.	0.8	21
562	The Ecology of Disturbance Interactions. <i>BioScience</i> , 2020, 70, 854-870.	2.2	60



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563	Leaf Habit and Stem Hydraulic Traits Determine Functional Segregation of Multiple Oak Species along a Water Availability Gradient. <i>Forests</i> , 2020, 11, 894.	0.9	11
564	The results of biodiversityâ€ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , 2020, 4, 1485-1494.	3.4	93
565	Plants on small islands: using taxonomic and functional diversity to unravel community assembly processes and the small-island effect. <i>Frontiers of Biogeography</i> , 2020, 12, .	0.8	4
566	The morphogenesis of fast growth in plants. <i>New Phytologist</i> , 2020, 228, 1306-1315.	3.5	3
567	Shifting spaces: Which disparity or dissimilarity measurement best summarize occupancy in multidimensional spaces?. <i>Ecology and Evolution</i> , 2020, 10, 7261-7275.	0.8	54
568	Biotic rescaling reveals importance of species interactions for variation in biodiversity responses to climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22858-22865.	3.3	42
569	A landscapeâ€scale assessment of the relationship between grassland functioning, community diversity, and functional traits. <i>Ecology and Evolution</i> , 2020, 10, 9906-9919.	0.8	8
570	Class Half-Full or Half-Empty? A Fire-Resistant Species Triggers Divergent Regeneration in Low-Resilience Pastures. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	4
571	Global patterns of the leaf economics spectrum in wetlands. <i>Nature Communications</i> , 2020, 11, 4519.	5.8	29
572	Leaf size variations in a dominant desert shrub, <i>Reaumuria soongarica</i> , adapted to heterogeneous environments. <i>Ecology and Evolution</i> , 2020, 10, 10076-10094.	0.8	5
573	Species responses to changing precipitation depend on trait plasticity rather than trait means and intraspecific variation. <i>Functional Ecology</i> , 2020, 34, 2622-2633.	1.7	20
574	Traitâ€based ecology at large scales: Assessing functional trait correlations, phylogenetic constraints and spatial variability using open data. <i>Global Change Biology</i> , 2020, 26, 7255-7267.	4.2	28
575	Lineageâ€based functional types: characterising functional diversity to enhance the representation of ecological behaviour in Land Surface Models. <i>New Phytologist</i> , 2020, 228, 15-23.	3.5	20
576	Climate controls plant lifeâ€form patterns on a highâ€elevation oceanic island. <i>Journal of Biogeography</i> , 2020, 47, 2261-2273.	1.4	30
577	Correlated evolution of leaf and root anatomic traits in <i>Dendrobium</i> (Orchidaceae). <i>AoB PLANTS</i> , 2020, 12, plaa034.	1.2	5
578	The erosion of biodiversity and biomass in the Atlantic Forest biodiversity hotspot. <i>Nature Communications</i> , 2020, 11, 6347.	5.8	81
579	Nutrient status not secondary metabolites drives herbivory and pathogen infestation across differently mycorrhized tree monocultures and mixtures. <i>Basic and Applied Ecology</i> , 2021, 55, 110-123.	1.2	7
580	Low-marsh ecotypes of a dominant plant may not be better adapted to increased sea level. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 273, 151722.	0.6	6

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581	An Integrative Study Showing the Adaptation to Sub-Optimal Growth Conditions of Natural Populations of <i>Arabidopsis thaliana</i> : A Focus on Cell Wall Changes. <i>Cells</i> , 2020, 9, 2249.	1.8	7
582	The Legacy of the Past Logging: How Forest Structure Affects Different Facets of Understory Plant Diversity in Abandoned Coppice Forests. <i>Diversity</i> , 2020, 12, 109.	0.7	10
583	Can Functional Traits Explain Plant Coexistence? A Case Study with Tropical Lianas and Trees. <i>Diversity</i> , 2020, 12, 397.	0.7	15
584	Effect of Grazing Types on Community-Weighted Mean Functional Traits and Ecosystem Functions on Inner Mongolian Steppe, China. <i>Sustainability</i> , 2020, 12, 7169.	1.6	1
585	Going off trails: How dispersed visitor use affects alpine vegetation. <i>Journal of Environmental Management</i> , 2020, 267, 110546.	3.8	25
586	Harsh environmental regimes increase the functional significance of intraspecific variation in plant communities. <i>Functional Ecology</i> , 2020, 34, 1666-1677.	1.7	42
587	Contrasting Leaf Trait Responses of Conifer and Broadleaved Seedlings to Altered Resource Availability Are Linked to Resource Strategies. <i>Plants</i> , 2020, 9, 621.	1.6	8
588	Fire and grazing determined grasslands of central Madagascar represent ancient assemblages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200598.	1.2	48
589	Community-level variation in plant functional traits and ecological strategies shapes habitat structure along succession gradients in alpine environment. <i>Community Ecology</i> , 2020, 21, 55-65.	0.5	33
590	$C_{4}$ photosynthesis and the economic spectra of leaf and root traits independently influence growth rates in grasses. <i>Journal of Ecology</i> , 2020, 108, 1899-1909.	1.9	20
591	Root nitrogen acquisition strategy of trees and understory species in a subtropical pine plantation in southern China. <i>European Journal of Forest Research</i> , 2020, 139, 791-804.	1.1	9
592	Organizing principles for vegetation dynamics. <i>Nature Plants</i> , 2020, 6, 444-453.	4.7	95
593	Reliability of leaf functional traits after delayed measurements. <i>Australian Journal of Botany</i> , 2020, 68, 100.	0.3	5
594	Variability in the chloroplast area lining the intercellular airspace and cell walls drives mesophyll conductance in gymnosperms. <i>Journal of Experimental Botany</i> , 2020, 71, 4958-4971.	2.4	19
595	Evaluating Sphagnum traits in the context of resource economics and optimal partitioning theories. <i>Oikos</i> , 2020, 129, 1204-1215.	1.2	7
596	Evidence of non-stationary relationships between climate and forest responses: Increased sensitivity to climate change in Iberian forests. <i>Global Change Biology</i> , 2020, 26, 5063-5076.	4.2	56
597	Testing Darwin's naturalization conundrum based on taxonomic, phylogenetic, and functional dimensions of vascular plants. <i>Ecological Monographs</i> , 2020, 90, e01420.	2.4	19
598	Trait-mediated neighbor effects on plant survival depend on life stages and stage-specific traits in a temperate forest. <i>Forest Ecology and Management</i> , 2020, 472, 118250.	1.4	13

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599	Biomass allocation for vegetative and reproductive growth of <i>Fritillaria przewalskii</i> Maxim. <i>Agronomy Journal</i> , 2020, 112, 4482-4491.	0.9	1
600	Relative contribution of plant traits and soil properties to the functioning of a temperate forest ecosystem in the Indian Himalayas. <i>Catena</i> , 2020, 194, 104671.	2.2	24
601	Leaf trait records of vascular plant species in the Pannonian flora with special focus on endemics and rarities. <i>Folia Geobotanica</i> , 2020, 55, 73-79.	0.4	11
602	Leaf trait variation and decomposition in short-rotation woody biomass crops under agroforestry management. <i>Agriculture, Ecosystems and Environment</i> , 2020, 298, 106971.	2.5	10
603	Foliar functional traits from imaging spectroscopy across biomes in eastern North America. <i>New Phytologist</i> , 2020, 228, 494-511.	3.5	109
604	Robust leaf trait relationships across species under global environmental changes. <i>Nature Communications</i> , 2020, 11, 2999.	5.8	63
605	Topography consistently drives intra- and inter-specific leaf trait variation within tree species complexes in a Neotropical forest. <i>Oikos</i> , 2020, 129, 1521-1530.	1.2	28
606	The Leaf Economics Spectrum Constrains Phenotypic Plasticity Across a Light Gradient. <i>Frontiers in Plant Science</i> , 2020, 11, 735.	1.7	14
607	Evolution in novel environments: Do restored prairie populations experience strong selection?. <i>Ecology</i> , 2020, 101, e03120.	1.5	3
608	Warming alters plant phylogenetic and functional community structure. <i>Journal of Ecology</i> , 2020, 108, 2406-2415.	1.9	20
609	Demographic trends in community functional tolerance reflect tree responses to climate and altered fire regimes. <i>Ecological Applications</i> , 2020, 30, e02197.	1.8	5
610	Ecological drivers of plant life-history traits: Assessment of seed mass and germination variation using climate cues and nitrogen resources in conifers. <i>Ecological Indicators</i> , 2020, 117, 106517.	2.6	6
611	On the sunny side of the crown – quantification of intra-canopy SLA variation among 179 taxa. <i>Forest Ecology and Management</i> , 2020, 472, 118254.	1.4	10
612	A synthesis of bacterial and archaeal phenotypic trait data. <i>Scientific Data</i> , 2020, 7, 170.	2.4	59
613	Agriculture intensification reduces plant taxonomic and functional diversity across European arable systems. <i>Functional Ecology</i> , 2020, 34, 1448-1460.	1.7	39
614	Plant traits and vegetation data from climate warming experiments along an 1100-m elevation gradient in Gongga Mountains, China. <i>Scientific Data</i> , 2020, 7, 189.	2.4	13
615	Plant Functional Niches in Forests Across Four Climatic Zones: Exploring the Periodic Table of Niches Based on Plant Functional Traits. <i>Frontiers in Plant Science</i> , 2020, 11, 841.	1.7	9
616	Living Litter: Dynamic Trait Spectra Predict Fauna Composition. <i>Trends in Ecology and Evolution</i> , 2020, 35, 886-896.	4.2	43

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617	Plant intraspecific functional trait variation is related to within-habitat heterogeneity and genetic diversity in <i>Trifolium montanum</i> L. <i>Ecology and Evolution</i> , 2020, 10, 5015-5033.	0.8	14
618	Divergence in Plant Traits and Increased Modularity Underlie Repeated Transitions Between Low and High Elevations in the Andean Genus <i>Leucheria</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 714.	1.7	3
619	Plasticity of Root Traits under Competition for a Nutrient-Rich Patch Depends on Tree Species and Possesses a Large Congruency between Intra- and Interspecific Situations. <i>Forests</i> , 2020, 11, 528.	0.9	8
620	Assessing intraspecific trait variability during seedling establishment to improve restoration of tropical dry forests. <i>Ecosphere</i> , 2020, 11, e03052.	1.0	3
621	Editorial: Woody Plants and Forest Ecosystems in a Complex World—Ecological Interactions and Physiological Functioning Above and Below Ground. <i>Frontiers in Plant Science</i> , 2020, 11, 173.	1.7	7
622	Patterns of Understory Community Assembly and Plant Trait-Environment Relationships in Temperate SE European Forests. <i>Diversity</i> , 2020, 12, 91.	0.7	16
623	Global gradients in intraspecific variation in vegetative and floral traits are partially associated with climate and species richness. <i>Global Ecology and Biogeography</i> , 2020, 29, 992-1007.	2.7	51
624	Direct climate effects are more influential than functional composition in determining future gross primary productivity. <i>Landscape Ecology</i> , 2020, 35, 969-984.	1.9	2
625	Disentangling functional trait variation and covariation in epiphytic lichens along a continent-wide latitudinal gradient. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192862.	1.2	22
626	Unexpected diversity and evolutionary lability in root architectural ecomorphs in the rushes of the hyperdiverse Cape flora. <i>New Phytologist</i> , 2020, 227, 216-231.	3.5	2
627	The Influence of Taxonomy and Environment on Leaf Trait Variation Along Tropical Abiotic Gradients. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	19
628	Functional Trait Variation Among and Within Species and Plant Functional Types in Mountainous Mediterranean Forests. <i>Frontiers in Plant Science</i> , 2020, 11, 212.	1.7	35
629	Assessing the reliability of predicted plant trait distributions at the global scale. <i>Global Ecology and Biogeography</i> , 2020, 29, 1034-1051.	2.7	36
630	Components of leaf trait variation along environmental gradients. <i>New Phytologist</i> , 2020, 228, 82-94.	3.5	111
631	Adaptive trade-offs in fish energetics and physiology: insights from adaptive differentiation among juvenile salmonids. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 1243-1255.	0.7	11
632	Variation in morphological and chemical traits of Mediterranean tree roots: linkage with leaf traits and soil conditions. <i>Plant and Soil</i> , 2020, 449, 389-403.	1.8	22
633	Comparative Analysis of Early Life Stage Traits in Annual and Perennial Phaseolus Crops and Their Wild Relatives. <i>Frontiers in Plant Science</i> , 2020, 11, 34.	1.7	12
634	Multiple trait dimensions mediate stress gradient effects on plant biomass allocation, with implications for coastal ecosystem services. <i>Journal of Ecology</i> , 2020, 108, 1227-1240.	1.9	15

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635	Seed size predicts global effects of small mammal seed predation on plant recruitment. <i>Ecology Letters</i> , 2020, 23, 1024-1033.	3.0	54
636	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , 2020, 11, 1351.	5.8	52
637	Optical traits perform equally well as directly measured functional traits in explaining the impact of an invasive plant on litter decomposition. <i>Journal of Ecology</i> , 2020, 108, 2000-2011.	1.9	8
638	Comparing experimental and field measured traits and their variability in Central European grassland species. <i>Journal of Vegetation Science</i> , 2020, 31, 561-570.	1.1	3
639	Traits and their plasticity determine responses of plant performance and community functional property to nitrogen enrichment in a boreal peatland. <i>Plant and Soil</i> , 2020, 449, 151-167.	1.8	20
640	Taxonomic, phylogenetic, and functional composition and homogenization of residential yard vegetation with contrasting management. <i>Landscape and Urban Planning</i> , 2020, 202, 103877.	3.4	19
641	Functional and Structural Leaf Plasticity Determine Photosynthetic Performances during Drought Stress and Recovery in Two <i>Platanus orientalis</i> Populations from Contrasting Habitats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3912.	1.8	20
642	Disparities in the analysis of morphological disparity. <i>Biology Letters</i> , 2020, 16, 20200199.	1.0	60
643	The fungal collaboration gradient dominates the root economics space in plants. <i>Science Advances</i> , 2020, 6, .	4.7	377
644	A brief guide for the measurement and interpretation of microbial functional diversity. <i>Environmental Microbiology</i> , 2020, 22, 3039-3048.	1.8	11
645	Recent accelerated diversification in rosids occurred outside the tropics. <i>Nature Communications</i> , 2020, 11, 3333.	5.8	43
646	Modern Pollen-Plant Diversity Relationships Inform Palaeoecological Reconstructions of Functional and Phylogenetic Diversity in Calcareous Fens. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	15
647	A trait space at an overarching scale yields more conclusive macroecological patterns of functional diversity. <i>Global Ecology and Biogeography</i> , 2020, 29, 1729-1742.	2.7	18
648	Plant traits in influencing soil moisture in semiarid grasslands of the Loess Plateau, China. <i>Science of the Total Environment</i> , 2020, 718, 137355.	3.9	25
649	Traits link drought resistance with herbivore defence and plant economics in semi-arid grasslands: The central roles of phenology and leaf dry matter content. <i>Journal of Ecology</i> , 2020, 108, 2336-2351.	1.9	49
650	Towards mapping the diversity of canopy structure from space with GEDI. <i>Environmental Research Letters</i> , 2020, 15, 115006.	2.2	72
651	Leaf reflectance spectra capture the evolutionary history of seed plants. <i>New Phytologist</i> , 2020, 228, 485-493.	3.5	72
652	Plant Trait Networks: Improved Resolution of the Dimensionality of Adaptation. <i>Trends in Ecology and Evolution</i> , 2020, 35, 908-918.	4.2	107

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653	Weeds: Against the Rules?. Trends in Plant Science, 2020, 25, 1107-1116.	4.3	25
654	Seaweed functional diversity revisited: Confronting traditional groups with quantitative traits. Journal of Ecology, 2020, 108, 2390-2405.	1.9	22
655	Biogeography of intraspecific trait variability in matgrass ( <i>Nardus stricta</i> ): High phenotypic variation at the local scale exceeds large scale variability patterns. Perspectives in Plant Ecology, Evolution and Systematics, 2020, 46, 125555.	1.1	2
656	Adaptive flammability syndromes in thermo-Mediterranean vegetation, captured by alternative resource-use strategies. Science of the Total Environment, 2020, 718, 137437.	3.9	7
657	Evaluation of pulse crops' functional diversity supporting food production. Scientific Reports, 2020, 10, 3416.	1.6	4
658	Spectrally derived values of community leaf dry matter content link shifts in grassland composition with change in biomass production. Remote Sensing in Ecology and Conservation, 2020, 6, 344-353.	2.2	13
659	Green infrastructure space and traits (GIST) model: Integrating green infrastructure spatial placement and plant traits to maximize multifunctionality. Urban Forestry and Urban Greening, 2020, 49, 126635.	2.3	26
660	Open Science principles for accelerating trait-based science across the Tree of Life. Nature Ecology and Evolution, 2020, 4, 294-303.	3.4	144
661	Simulating functional diversity of European natural forests along climatic gradients. Journal of Biogeography, 2020, 47, 1069-1085.	1.4	19
662	Functional Composition Changes of a Subtropical Monsoon Evergreen Broad-Leaved Forest Under Environmental Change. Forests, 2020, 11, 191.	0.9	3
663	Mismatches between demographic niches and geographic distributions are strongest in poorly dispersed and highly persistent plant species. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3663-3669.	3.3	42
664	A large-scale assessment of plant dispersal mode and seed traits across human-modified Amazonian forests. Journal of Ecology, 2020, 108, 1373-1385.	1.9	20
665	Species-area relationships on small islands differ among plant growth forms. Global Ecology and Biogeography, 2020, 29, 814-829.	2.7	30
666	Soil pH and Organic Matter Content Affects European Ash ( <i>Fraxinus excelsior</i> L.) Crown Defoliation and Its Impact on Understory Vegetation. Forests, 2020, 11, 22.	0.9	15
667	Invasive species interact with climatic variability to reduce success of natives. Ecology, 2020, 101, e03022.	1.5	23
668	Ontogenetic consistency in oak defence syndromes. Journal of Ecology, 2020, 108, 1822-1834.	1.9	15
669	Individualistic responses of forest herb traits to environmental change. Plant Biology, 2020, 22, 601-614.	1.8	14
670	Intraspecific perspective of phenotypic coordination of functional traits in Scots pine. PLoS ONE, 2020, 15, e0228539.	1.1	15

#	ARTICLE	IF	CITATIONS
671	Neighborhood interactions on seedling survival were greatly altered following an extreme winter storm. <i>Forest Ecology and Management</i> , 2020, 461, 117940.	1.4	11
672	Linking Plant Functional Ecology to Island Biogeography. <i>Trends in Plant Science</i> , 2020, 25, 329-339.	4.3	70
673	Macroevolutionary convergence connects morphological form to ecological function in birds. <i>Nature Ecology and Evolution</i> , 2020, 4, 230-239.	3.4	285
674	Avian form and function. <i>Nature Ecology and Evolution</i> , 2020, 4, 179-180.	3.4	0
675	Plant functional traits differ in adaptability and are predicted to be differentially affected by climate change. <i>Ecology and Evolution</i> , 2020, 10, 232-248.	0.8	71
676	A Structure Shaped by Fire, but Also Water: Ecological Consequences of the Variability in Bark Properties Across 31 Species From the Brazilian Cerrado. <i>Frontiers in Plant Science</i> , 2019, 10, 1718.	1.7	36
677	Inter- and intraspecific trait variation shape multidimensional trait overlap between two plant invaders and the invaded communities. <i>Oikos</i> , 2020, 129, 677-688.	1.2	17
678	Structural defence is coupled with the leaf economic spectrum across saplings of spiny species. <i>Oikos</i> , 2020, 129, 740-752.	1.2	20
679	Atmospheric and soil drought risks combined shape community assembly of trees in a tropical dry forest. <i>Journal of Ecology</i> , 2020, 108, 1347-1357.	1.9	19
680	Intraspecific functional differences of subalpine plant species growing in low-altitude microrefugia and high-altitude habitats. <i>Plant Ecology</i> , 2020, 221, 155-166.	0.7	2
681	Community-wide trait means and variations affect biomass in a biodiversity experiment with tree seedlings. <i>Oikos</i> , 2020, 129, 799-810.	1.2	11
682	<sc>hyperoverlap</sc>: Detecting biological overlap in <i>n</i>-dimensional space. <i>Methods in Ecology and Evolution</i> , 2020, 11, 513-523.	2.2	15
683	Fungal Traits Important for Soil Aggregation. <i>Frontiers in Microbiology</i> , 2019, 10, 2904.	1.5	77
684	The global distribution of grass functional traits within grassy biomes. <i>Journal of Biogeography</i> , 2020, 47, 553-565.	1.4	24
685	Using big data to improve ecotype matching for Magnolias in urban forestry. <i>Urban Forestry and Urban Greening</i> , 2020, 48, 126580.	2.3	14
686	Large- and small-seeded species have contrasting functional neighborhoods in a subtropical forest. <i>Ecosphere</i> , 2020, 11, e03016.	1.0	1
687	Towards a framework for understanding the context dependence of impacts of non-native tree species. <i>Functional Ecology</i> , 2020, 34, 944-955.	1.7	54
688	Functional composition and diversity of leaf traits in subalpine versus alpine vegetation in the Apennines. <i>AoB PLANTS</i> , 2020, 12, plaa004.	1.2	21

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689	Trait integration and functional differentiation among coexisting plant species. <i>American Journal of Botany</i> , 2020, 107, 628-638.	0.8	20
690	Leaf toughness as a mechanism of defence against spruce budworm. <i>Arthropod-Plant Interactions</i> , 2020, 14, 481-489.	0.5	9
691	Leaf shape influences the scaling of leaf dry mass vs. area: a test case using bamboos. <i>Annals of Forest Science</i> , 2020, 77, 1.	0.8	29
692	Linking plant conservatism scores to plant functional traits. <i>Ecological Indicators</i> , 2020, 115, 106376.	2.6	14
693	Plant functional $\beta^2$ diversity is an important mediator of effects of aridity on soil multifunctionality. <i>Science of the Total Environment</i> , 2020, 726, 138529.	3.9	42
694	Positive correlations in species functional contributions drive the response of multifunctionality to biodiversity loss. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192501.	1.2	12
695	Interspecific trait integration increases with environmental harshness: A case study along a metal toxicity gradient. <i>Functional Ecology</i> , 2020, 34, 1428-1437.	1.7	15
696	Dos and don'ts when inferring assembly rules from diversity patterns. <i>Global Ecology and Biogeography</i> , 2020, 29, 1212-1229.	2.7	83
697	The scale dependency of trait-based tree neighborhood models. <i>Journal of Vegetation Science</i> , 2020, 31, 581-593.	1.1	11
698	Genetic richness affects trait variation but not community productivity in a tree diversity experiment. <i>New Phytologist</i> , 2020, 227, 744-756.	3.5	12
699	Leaf trait variation is similar among genotypes of <i>Eucalyptus camaldulensis</i> from differing climates and arises in plastic responses to the seasons rather than water availability. <i>New Phytologist</i> , 2020, 227, 780-793.	3.5	19
700	Plant functional traits shape multiple ecosystem services, their tradeoffs and synergies in grasslands. <i>Journal of Applied Ecology</i> , 2020, 57, 1535-1550.	1.9	56
701	Generalist plants are more competitive and more functionally similar to each other than specialist plants: insights from network analyses. <i>Journal of Biogeography</i> , 2020, 47, 1922-1933.	1.4	35
702	Accuracy and limitations for spectroscopic prediction of leaf traits in seasonally dry tropical environments. <i>Remote Sensing of Environment</i> , 2020, 244, 111828.	4.6	17
703	Soil-plant interactions in a pasture of the Italian Alps. <i>Journal of Plant Interactions</i> , 2020, 15, 39-49.	1.0	13
704	Climate and soil nutrients differentially drive multidimensional fine root traits in ectomycorrhizal-dominated alpine coniferous forests. <i>Journal of Ecology</i> , 2020, 108, 2544-2556.	1.9	54
705	Functional identity enhances aboveground productivity of a coastal saline meadow mediated by <i>Tamarix chinensis</i> in Laizhou Bay, China. <i>Scientific Reports</i> , 2020, 10, 5826.	1.6	3
706	Scaling relationships among functional traits are similar across individuals, species, and communities. <i>Journal of Vegetation Science</i> , 2020, 31, 571-580.	1.1	8



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707	Life in the canopy: community trait assessments reveal substantial functional diversity among fern epiphytes. <i>New Phytologist</i> , 2020, 227, 1885-1899.	3.5	23
708	Functional Divergence Drives Invasibility of Plant Communities at the Edges of a Resource Availability Gradient. <i>Diversity</i> , 2020, 12, 148.	0.7	12
709	Aridity drives coordinated trait shifts but not decreased trait variance across the geographic range of eight Australian trees. <i>New Phytologist</i> , 2021, 229, 1375-1387.	3.5	43
710	Competition-induced transgenerational plasticity influences competitive interactions and leaf decomposition of offspring. <i>New Phytologist</i> , 2021, 229, 3497-3507.	3.5	31
711	Spectrally defined plant functional types adequately capture multidimensional trait variation in herbaceous communities. <i>Ecological Indicators</i> , 2021, 120, 106970.	2.6	6
712	Climate overrides the effects of land use on the functional composition and diversity of Mediterranean reptile assemblages. <i>Diversity and Distributions</i> , 2021, 27, 50-64.	1.9	5
713	Trade-offs between seed size and biotic interactions contribute to coexistence of co-occurring species that vary in fecundity. <i>Journal of Ecology</i> , 2021, 109, 626-638.	1.9	9
714	Global patterns of biomass allocation in woody species with different tolerances of shade and drought: evidence for multiple strategies. <i>New Phytologist</i> , 2021, 229, 308-322.	3.5	43
715	Towards the flower economics spectrum. <i>New Phytologist</i> , 2021, 229, 665-672.	3.5	41
716	Scale-dependent changes in tree diversity over more than a century in eastern Canada: Landscape diversification and regional homogenization. <i>Journal of Ecology</i> , 2021, 109, 273-283.	1.9	14
717	Leaf traits and canopy structure together explain canopy functional diversity: an airborne remote sensing approach. <i>Ecological Applications</i> , 2021, 31, e02230.	1.8	26
718	Functional segregation of resource-use strategies of native and invasive plants across Mediterranean biome communities. <i>Biological Invasions</i> , 2021, 23, 253-266.	1.2	10
719	Intraspecific trait variation influences physiological performance and fitness in the South Africa shrub genus <i>Protea</i> (Proteaceae). <i>Annals of Botany</i> , 2021, 127, 519-531.	1.4	9
720	SylvanSeeds , a seed germination database for temperate deciduous forests. <i>Journal of Vegetation Science</i> , 2021, 32, .	1.1	8
721	Ash dieback, soil and deer browsing influence natural regeneration of European ash ( <i>Fraxinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182	3.9	7
722	Plant traits controlling growth change in response to a drier climate. <i>New Phytologist</i> , 2021, 229, 1363-1374.	3.5	26
723	Parallel responses of species diversity and functional diversity to changes in patch size are driven by distinct processes. <i>Journal of Ecology</i> , 2021, 109, 793-805.	1.9	4
724	The triangular space of abiotic stress tolerance in woody species: a unified trade-off model. <i>New Phytologist</i> , 2021, 229, 1354-1362.	3.5	21

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725	Ecological convergence of secondary phytochemicals along elevational gradients. <i>New Phytologist</i> , 2021, 229, 1755-1767.	3.5	11
726	The complexity of trait–environment performance landscapes in a local subtropical forest. <i>New Phytologist</i> , 2021, 229, 1388-1397.	3.5	16
727	Linking root respiration to chemistry and morphology across species. <i>Global Change Biology</i> , 2021, 27, 190-201.	4.2	47
728	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , 2021, 252, 112122.	4.6	38
729	Plant traits related to precipitation sensitivity of species and communities in semiarid shortgrass prairie. <i>New Phytologist</i> , 2021, 229, 2007-2019.	3.5	38
730	Water in, water out: root form influences leaf function. <i>New Phytologist</i> , 2021, 229, 1186-1188.	3.5	1
731	Towards a more balanced combination of multiple traits when computing functional differences between species. <i>Methods in Ecology and Evolution</i> , 2021, 12, 443-448.	2.2	84
732	Revealing the functional traits linked to hidden environmental factors in community assembly. <i>Journal of Vegetation Science</i> , 2021, 32, e12976.	1.1	10
733	Lianas explore the forest canopy more effectively than trees under drier conditions. <i>Functional Ecology</i> , 2021, 35, 318-329.	1.7	15
734	Tree phylogenetic diversity structures multitrophic communities. <i>Functional Ecology</i> , 2021, 35, 521-534.	1.7	21
735	Mapping functional diversity using individual tree-based morphological and physiological traits in a subtropical forest. <i>Remote Sensing of Environment</i> , 2021, 252, 112170.	4.6	46
736	The value of the species interaction-abiotic stress hypothesis (SIASH) for invasion biology: using native latitude to explain non-native latitudinal range sizes. <i>Biological Invasions</i> , 2021, 23, 957-968.	1.2	2
737	Correlations between leaf economics, hydraulic, and shade-tolerance traits among co-occurring individual trees. <i>Acta Oecologica</i> , 2021, 110, 103673.	0.5	4
738	Root biomass and root traits of <i>Alnus glutinosa</i> show size-dependent and opposite patterns in a drained and a rewetted forest peatland. <i>Annals of Botany</i> , 2021, 127, 337-346.	1.4	6
739	Below- and aboveground traits explain local abundance, and regional, continental and global occurrence frequencies of grassland plants. <i>Oikos</i> , 2021, 130, 110-120.	1.2	15
740	Topography as a factor driving small-scale variation in tree fine root traits and root functional diversity in a species-rich tropical montane forest. <i>New Phytologist</i> , 2021, 230, 129-138.	3.5	28
741	Diverging functional strategies but high sensitivity to an extreme drought in tropical dry forests. <i>Ecology Letters</i> , 2021, 24, 451-463.	3.0	38
742	Different functional characteristics can explain different dimensions of plant invasion success. <i>Journal of Ecology</i> , 2021, 109, 1524-1536.	1.9	14

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743	Importance of organ age in driving intraspecific trait variation and coordination for three evergreen coniferous species. <i>Ecological Indicators</i> , 2021, 121, 107099.	2.6	4
744	The role of functional strategies in global plant distribution. <i>Ecography</i> , 2021, 44, 493-503.	2.1	11
745	Foliar summer frost resistance measured via electrolyte leakage approach as related to plant distribution, community composition and plant traits. <i>Functional Ecology</i> , 2021, 35, 590-600.	1.7	5
746	Evolutionary trait-based approaches for predicting future global impacts of plant pathogens in the genus <i>Phytophthora</i> . <i>Journal of Applied Ecology</i> , 2021, 58, 718-730.	1.9	23
747	Transferability of trait-based species distribution models. <i>Ecography</i> , 2021, 44, 134-147.	2.1	20
748	Forest structure, not climate, is the primary driver of functional diversity in northeastern North America. <i>Science of the Total Environment</i> , 2021, 762, 143070.	3.9	19
749	The retrieval of plant functional traits from canopy spectra through RTM-inversions and statistical models are both critically affected by plant phenology. <i>Ecological Indicators</i> , 2021, 121, 107062.	2.6	23
750	Twenty years of Baltic Boreal coastal meadow restoration: has it been long enough?. <i>Restoration Ecology</i> , 2021, 29, e13266.	1.4	3
751	Do regeneration traits vary according to vegetation structure? A case study for savannas. <i>Journal of Vegetation Science</i> , 2021, 32, .	1.1	7
752	Global root traits (GRooT) database. <i>Global Ecology and Biogeography</i> , 2021, 30, 25-37.	2.7	90
753	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.	2.3	7
754	Toposequence variability in tree growth associated with leaf traits for <i>Larix gmelinii</i> . <i>Forest Ecology and Management</i> , 2021, 479, 118611.	1.4	0
755	Shifts in fine root traits within and among species along a fine-scale hydrological gradient. <i>Annals of Botany</i> , 2021, 127, 473-481.	1.4	9
756	A review of the structure and dynamics of araucaria mixed forests in southern Brazil and northern Argentina. <i>New Zealand Journal of Botany</i> , 2021, 59, 2-54.	0.8	10
757	Species richness and phylogenetic diversity of different growth forms of angiosperms across a biodiversity hotspot in the horn of Africa. <i>Journal of Systematics and Evolution</i> , 2021, 59, 141-150.	1.6	7
758	The leaf economics spectrum™s morning coffee: plant size-dependent changes in leaf traits and reproductive onset in a perennial tree crop. <i>Annals of Botany</i> , 2021, 127, 483-493.	1.4	11
759	Nests of the white stork as suitable microsites for the colonisation and establishment of ruderal plants in the agricultural landscape. <i>Plant Ecology</i> , 2021, 222, 337-348.	0.7	3
760	The Consequences of Glacier Retreat Are Uneven Between Plant Species. <i>Frontiers in Ecology and Evolution</i> , 2021, 8, .	1.1	29

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761	Functional Paleoecology and the Pollen-Plant Functional Trait Linkage. <i>Frontiers in Ecology and Evolution</i> , 2021, 8, .	1.1	7
763	The association of leaf sulfur content with the leaf economics spectrum and plant adaptive strategies. <i>Functional Plant Biology</i> , 2021, 48, 924-935.	1.1	14
764	Applying the economic concept of profitability to leaves. <i>Scientific Reports</i> , 2021, 11, 49.	1.6	7
765	Effects of different NH <sub>4</sub> <sup>+</sup> /NO <sub>3</sub> <sup>-</sup> ratios on the photosynthetic and physiology responses of blueberry ( <i>Vaccinium</i> spp.) seedlings growth. <i>Journal of Plant Nutrition</i> , 2021, 44, 854-864.	0.9	10
766	Shift of seed mass and fruit type spectra along longitudinal gradient: high water availability and growth allometry. <i>Biogeosciences</i> , 2021, 18, 655-667.	1.3	5
767	Real communities of virtual plants explain biodiversity on just three assumptions. <i>In Silico Plants</i> , 2021, 3, .	0.8	1
769	Soil Salinization and Sodification as Conditioners of Vegetation and Crops: Physiological Aspects of Plant Response to These Conditions. <i>Springer Earth System Sciences</i> , 2021, , 43-54.	0.1	1
770	Short lifeâ€“fast death: decomposition rates of woody plants leaf- and herb-litter. <i>Annals of Forest Science</i> , 2021, 78, 1.	0.8	17
771	PhenoSpace: A Shiny application to visualize trait data in the phenotypic space of the global spectrum of plant form and function. <i>Ecology and Evolution</i> , 2021, 11, 1526-1534.	0.8	6
772	Contrasting responses of different functional groups stabilize community responses to a dominant shrub under global change. <i>Journal of Ecology</i> , 2021, 109, 1676-1689.	1.9	11
773	Evolution and ecology of seed internal morphology in relation to germination characteristics in Amaranthaceae. <i>Annals of Botany</i> , 2021, 127, 799-811.	1.4	7
774	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.	3.0	19
775	Crops and the Seed Massâ€“Seed Output Trade-Off in Plants. <i>International Journal of Plant Sciences</i> , 2021, 182, 84-90.	0.6	6
776	Consistent traitâ€“environment relationships within and across tundra plant communities. <i>Nature Ecology and Evolution</i> , 2021, 5, 458-467.	3.4	25
777	Optimizing foliar allocation of limiting nutrients and fastâ€“slow economic strategies drive forest succession along a glacier retreating chronosequence in the eastern Tibetan Plateau. <i>Plant and Soil</i> , 2021, 462, 159-174.	1.8	5
779	Remotely piloted aircraft systems remote sensing can effectively retrieve ecosystem traits of alpine grasslands on the Tibetan Plateau at a landscape scale. <i>Remote Sensing in Ecology and Conservation</i> , 2021, 7, 382-396.	2.2	4
780	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, .	3.3	46
781	The Role of Inter- and Intraspecific Variations in Grassland Plant Functional Traits along an Elevational Gradient in a Mediterranean Mountain Area. <i>Plants</i> , 2021, 10, 359.	1.6	13

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782	Demographic traits improve predictions of spatiotemporal changes in community resilience to drought. <i>Journal of Ecology</i> , 2021, 109, 3233-3245.	1.9	4
783	Leaf water relations reflect canopy phenology rather than leaf life span in Sonoran Desert trees. <i>Tree Physiology</i> , 2021, 41, 1627-1640.	1.4	19
785	Long-term changes in the plant ecology of an African savanna landscape and the implications for ecosystem theory and conservation management. <i>Ecological Processes</i> , 2021, 10, .	1.6	10
786	Mistletoes and their eucalypt hosts differ in the response of leaf functional traits to climatic moisture supply. <i>Oecologia</i> , 2021, 195, 759-771.	0.9	10
787	Aerobic bacteria and archaea tend to have larger and more versatile genomes. <i>Oikos</i> , 2021, 130, 501-511.	1.2	19
788	Functional Traits of a Rainforest Vascular Epiphyte Community: Trait Covariation and Indications for Host Specificity. <i>Diversity</i> , 2021, 13, 97.	0.7	14
790	Trait positions for elevated invasiveness in adaptive ecological networks. <i>Biological Invasions</i> , 2021, 23, 1965-1985.	1.2	18
791	Co-ordination between xylem anatomy, plant architecture and leaf functional traits in response to abiotic and biotic drivers in a nurse cushion plant. <i>Annals of Botany</i> , 2021, 127, 919-929.	1.4	14
792	Local adaptation optimizes photoprotection strategies in a Neotropical legume tree under drought stress. <i>Tree Physiology</i> , 2021, 41, 1641-1657.	1.4	5
793	Individual-level leaf trait variation and correlation across biological and spatial scales. <i>Ecology and Evolution</i> , 2021, 11, 5344-5354.	0.8	7
794	Realised niche and suitability index highlight spatial and temporal distribution of toxic phytoplankton species. <i>Marine Ecology - Progress Series</i> , 2021, 662, 15-34.	0.9	1
795	The type of substrate does not influence the intraspecific population structure of shrub-tree species in the Brazilian savanna. <i>Ecological Research</i> , 2021, 36, 506-520.	0.7	0
796	Functional diversity of the Australian flora: Strong links to species richness and climate. <i>Journal of Vegetation Science</i> , 2021, 32, e13018.	1.1	28
797	Erosion of global functional diversity across the tree of life. <i>Science Advances</i> , 2021, 7, .	4.7	114
798	Diversity and identity of economics traits determine the extent of tree mixture effects on ecosystem productivity. <i>Journal of Ecology</i> , 2021, 109, 1898-1908.	1.9	6
799	Effects of Climate, Plant Height, and Evolutionary Age on Geographical Patterns of Fruit Type. <i>Frontiers in Plant Science</i> , 2021, 12, 604272.	1.7	4
800	Community-level responses to increasing dryness vary with plant growth form across an extensive aridity gradient. <i>Journal of Biogeography</i> , 2021, 48, 1788-1796.	1.4	3
801	Global functional variation in alpine vegetation. <i>Journal of Vegetation Science</i> , 2021, 32, e13000.	1.1	17

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802	New approaches to predict leaf area in woody tree species from the Atlantic Rainforest, Brazil. <i>Austral Ecology</i> , 2021, 46, 613-626.	0.7	4
803	Different sets of traits explain abundance and distribution patterns of European plants at different spatial scales. <i>Journal of Vegetation Science</i> , 2021, 32, e13016.	1.1	15
804	Nonlinear thresholds in the effects of island area on functional diversity in woody plant communities. <i>Journal of Ecology</i> , 2021, 109, 2177-2189.	1.9	12
805	Pitfalls of ignoring trait resolution when drawing conclusions about ecological processes. <i>Global Ecology and Biogeography</i> , 2021, 30, 1139-1152.	2.7	26
806	Surviving in semi-arid environments: functional coordination and trade-offs in shrubs from Argentina. <i>IAWA Journal</i> , 2021, 42, 172-190.	0.5	2
807	Including intraspecific trait variability to avoid distortion of functional diversity and ecological inference: Lessons from natural assemblages. <i>Methods in Ecology and Evolution</i> , 2021, 12, 946-957.	2.2	27
808	Motivating data contributions via a distinct career currency. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202830.	1.2	6
809	Opportunities and challenges for herbaria in studying the spatial variation in plant functional diversity. <i>Systematics and Biodiversity</i> , 2021, 19, 322-332.	0.5	3
810	Beta redundancy for functional ecology. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1062-1069.	2.2	5
811	Range-wide variations in common milkweed traits and their effect on monarch larvae. <i>American Journal of Botany</i> , 2021, 108, 388-401.	0.8	1
812	Trait means or variance? What determines plant species' local and regional occurrence in fragmented dry grasslands?. <i>Ecology and Evolution</i> , 2021, 11, 3357-3365.	0.8	7
813	Diel niche variation in mammals associated with expanded trait space. <i>Nature Communications</i> , 2021, 12, 1753.	5.8	31
814	Lianas have more acquisitive traits than trees in a dry but not in a wet forest. <i>Journal of Ecology</i> , 2021, 109, 2367-2384.	1.9	22
815	Untargeted In Silico Compound Classification? A Novel Metabolomics Method to Assess the Chemodiversity in Bryophytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3251.	1.8	11
816	WOODIV, a database of occurrences, functional traits, and phylogenetic data for all Euro-Mediterranean trees. <i>Scientific Data</i> , 2021, 8, 89.	2.4	7
817	Estimating individual-level plant traits at scale. <i>Ecological Applications</i> , 2021, 31, e02300.	1.8	14
818	Cell size, genome size, and maximum growth rate are near-independent dimensions of ecological variation across bacteria and archaea. <i>Ecology and Evolution</i> , 2021, 11, 3956-3976.	0.8	43
819	Primary and Secondary Metabolite Profiles of Lodgepole Pine Trees Change with Elevation, but Not with Latitude. <i>Journal of Chemical Ecology</i> , 2021, 47, 280-293.	0.9	10

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820	The resilience of coastal ecosystems: A functional trait-based perspective. <i>Journal of Ecology</i> , 2021, 109, 3133-3146.	1.9	20
821	Hyperspectral retrieval of leaf physiological traits and their links to ecosystem productivity in grassland monocultures. <i>Ecological Indicators</i> , 2021, 122, 107267.	2.6	17
822	Seasonal plasticity is more important than population variability in effects on white clover architecture and productivity. <i>Annals of Botany</i> , 2021, 128, 73-82.	1.4	3
823	Role of environmental filtering and functional traits for species coexistence in a harsh tropical montane ecosystem. <i>Biological Journal of the Linnean Society</i> , 2021, 133, 546-560.	0.7	9
825	Plant CSR types in the north: comparing the morphological and morpho-physiological approaches. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 665-673.	1.4	2
826	Effects of declining oak vitality on ecosystem multifunctionality: Lessons from a Spanish oak woodland. <i>Forest Ecology and Management</i> , 2021, 484, 118927.	1.4	3
827	The Assessment and the Within-Plant Variation of the Morpho-Physiological Traits and VOCs Profile in Endemic and Rare <i>Salvia ceratophylloides</i> Ard. (Lamiaceae). <i>Plants</i> , 2021, 10, 474.	1.6	5
828	Functional biogeography of weeds reveals how anthropogenic management blurs trait-climate relationships. <i>Journal of Vegetation Science</i> , 2021, 32, e12999.	1.1	3
829	Identifying "Useful" Fitness Models: Balancing the Benefits of Added Complexity with Realistic Data Requirements in Models of Individual Plant Fitness. <i>American Naturalist</i> , 2021, 197, 415-433.	1.0	20
830	The conservative low-phosphorus niche in Proteaceae. <i>Plant and Soil</i> , 2021, 462, 89-93.	1.8	1
833	Can Trait-Based Schemes Be Used to Select Species in Urban Forestry?. <i>Frontiers in Sustainable Cities</i> , 2021, 3, .	1.2	9
834	Multiscale mapping of plant functional groups and plant traits in the High Arctic using field spectroscopy, UAV imagery and Sentinel-2A data. <i>Environmental Research Letters</i> , 2021, 16, 055006.	2.2	34
835	Unveiling African rainforest composition and vulnerability to global change. <i>Nature</i> , 2021, 593, 90-94.	13.7	53
838	Environment, phylogeny, and photosynthetic pathway as determinants of leaf traits in savanna and forest graminoid species in central Brazil. <i>Oecologia</i> , 2021, 197, 1-11.	0.9	10
839	Plant traits are differentially linked to performance in a semiarid ecosystem. <i>Ecology</i> , 2021, 102, e03318.	1.5	17
840	Trait dimensions in bacteria and archaea compared to vascular plants. <i>Ecology Letters</i> , 2021, 24, 1487-1504.	3.0	21
841	A trait-based approach across the native and invaded range to understand plant invasiveness and community impact. <i>Oikos</i> , 2021, 130, 1001-1013.	1.2	9
842	The mechanism of sugar export from long conifer needles. <i>New Phytologist</i> , 2021, 230, 1911-1924.	3.5	9

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843	Decreased soil moisture due to warming drives phylogenetic diversity and community transitions in the tundra. <i>Environmental Research Letters</i> , 2021, 16, 064031.	2.2	10
844	Weak coordination between leaf drought tolerance and proxy traits in herbaceous plants. <i>Functional Ecology</i> , 2021, 35, 1299-1311.	1.7	10
845	Traits, strategies, and niches of liana species in a tropical seasonal rainforest. <i>Oecologia</i> , 2021, 196, 499-514.	0.9	10
846	Scientific floras can be reliable sources for some trait data in a system with poor coverage in global trait databases. <i>Journal of Vegetation Science</i> , 2021, 32, e12996.	1.1	14
847	Priority list of biodiversity metrics to observe from space. <i>Nature Ecology and Evolution</i> , 2021, 5, 896-906.	3.4	101
848	Taxonomic, phylogenetic and functional diversity of understorey plants respond differently to environmental conditions in European forest edges. <i>Journal of Ecology</i> , 2021, 109, 2629-2648.	1.9	28
849	Plant functional traits explain species abundance patterns and strategies shifts among saplings and adult trees in <i>Araucaria</i> forests. <i>Austral Ecology</i> , 2021, 46, 1084.	0.7	4
850	Utilisation of traditional ecological plant classification systems to explain major dimensions of trait variation in herb layer of East Carpathians forests. <i>Environmental and Experimental Botany</i> , 2021, 185, 104415.	2.0	2
851	Resolving whole-plant economics from leaf, stem and root traits of 1467 Amazonian tree species. <i>Oikos</i> , 2021, 130, 1193-1208.	1.2	35
853	Synthesizing tree biodiversity data to understand global patterns and processes of vegetation. <i>Journal of Vegetation Science</i> , 2021, 32, e13021.	1.1	17
854	Plant functional and taxonomic diversity in European grasslands along climatic gradients. <i>Journal of Vegetation Science</i> , 2021, 32, e13027.	1.1	15
855	The effect of host community functional traits on plant disease risk varies along an elevational gradient. <i>ELife</i> , 2021, 10, .	2.8	14
856	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europe's alien and native floras. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	47
857	The dimensionality and structure of species trait spaces. <i>Ecology Letters</i> , 2021, 24, 1988-2009.	3.0	63
859	Can plant functional traits explain shifts in community composition in a changing Arctic?. <i>Arctic Science</i> , 0, , .	0.9	1
860	Disentangling direct and indirect effects of island area on plant functional trait distributions. <i>Journal of Biogeography</i> , 2021, 48, 2098-2110.	1.4	10
862	Species-specific trends and variability in plant functional traits across a latitudinal gradient in northern Alaska. <i>Journal of Vegetation Science</i> , 2021, 32, e13040.	1.1	5
863	Niche properties constrain occupancy but not abundance patterns of native and alien woody species across Hawaiian forests. <i>Journal of Vegetation Science</i> , 2021, 32, e13025.	1.1	4



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864	Quantitative trait locus mapping reveals an independent genetic basis for joint divergence in leaf function, life history, and floral traits between scarlet monkeyflower ( <i>Mimulus cardinalis</i> ) populations. <i>American Journal of Botany</i> , 2021, 108, 844-856.	0.8	6
865	Integration and harmonization of trait data from plant individuals across heterogeneous sources. <i>Ecological Informatics</i> , 2021, 62, 101206.	2.3	8
866	A new Vegetation Integrity metric for trading losses and gains in terrestrial biodiversity value. <i>Ecological Indicators</i> , 2021, 124, 107341.	2.6	6
867	Functional biogeography of Neotropical moist forests: Trait-climate relationships and assembly patterns of tree communities. <i>Global Ecology and Biogeography</i> , 2021, 30, 1430-1446.	2.7	18
868	Chemical Similarity of Co-occurring Trees Decreases With Precipitation and Temperature in North American Forests. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	13
869	Functional traits influence plant survival depending on environmental contexts and life stages in an old-growth temperate forest. <i>Journal of Plant Ecology</i> , 2021, 14, 981-994.	1.2	7
870	Linking functional traits and demography to model species-rich communities. <i>Nature Communications</i> , 2021, 12, 2724.	5.8	26
871	Botanical Monography in the Anthropocene. <i>Trends in Plant Science</i> , 2021, 26, 433-441.	4.3	23
872	Resource availability drives plant-plant interactions of conifer seedlings across elevations under warming in Alaska. <i>Ecosphere</i> , 2021, 12, e03508.	1.0	2
873	Co-occurrences of tropical trees in eastern South America: disentangling abiotic and biotic forces. <i>Plant Ecology</i> , 2021, 222, 791-806.	0.7	3
874	Phenotypes of <i>Pinus sylvestris</i> are more coordinated under local harsher conditions across Europe. <i>Journal of Ecology</i> , 2021, 109, 2580-2596.	1.9	15
875	Biogeography of global drylands. <i>New Phytologist</i> , 2021, 231, 540-558.	3.5	145
876	Functional trait space in cereals and legumes grown in pure and mixed cultures is influenced more by cultivar identity than crop mixing. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2021, 50, 125612.	1.1	11
877	App for smartphone for detecting fungus diseases of plant leaves. <i>Sibirskii Vestnik Sel'skokhoziaistvennoi Nauki</i> , 2021, 51, 87-95.	0.1	0
878	The Effect of Climate and Human Pressures on Functional Diversity and Species Richness Patterns of Amphibians, Reptiles and Mammals in Europe. <i>Diversity</i> , 2021, 13, 275.	0.7	4
879	Biological flora of Central Europe: <i>Impatiens glandulifera</i> Royle. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2021, 50, 125609.	1.1	8
880	Crop functional diversity drives multiple ecosystem functions during early agroforestry succession. <i>Journal of Applied Ecology</i> , 2021, 58, 1718.	1.9	15
881	Root traits explain plant species distributions along climatic gradients yet challenge the nature of ecological trade-offs. <i>Nature Ecology and Evolution</i> , 2021, 5, 1123-1134.	3.4	62

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882	Generality and Shifts in Leaf Trait Relationships Between Alpine Aquatic and Terrestrial Herbaceous Plants on the Tibetan Plateau. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	7
883	Intraspecific trait variation alters the outcome of competition in freshwater ciliates. <i>Ecology and Evolution</i> , 2021, 11, 10225-10243.	0.8	4
884	Coordination of leaf economics traits within the family of the world's fastest growing plants (Lemnaceae). <i>Journal of Ecology</i> , 2021, 109, 2950-2962.	1.9	6
885	Trait-based responses to land use and canopy dynamics modify long-term diversity changes in forest understories. <i>Global Ecology and Biogeography</i> , 2021, 30, 1863-1875.	2.7	7
886	Co-benefits of protecting mangroves for biodiversity conservation and carbon storage. <i>Nature Communications</i> , 2021, 12, 3875.	5.8	52
887	Solving the fourth-corner problem: forecasting ecosystem primary production from spatial multispecies trait-based models. <i>Ecological Monographs</i> , 2021, 91, e01454.	2.4	16
888	Late spring freezes coupled with warming winters alter temperate tree phenology and growth. <i>New Phytologist</i> , 2021, 231, 987-995.	3.5	18
889	Production of complementary defense metabolites reflects a co-evolutionary arms race between a host plant and a mutualistic bark beetle-fungal complex. <i>Plant, Cell and Environment</i> , 2021, 44, 3064-3077.	2.8	13
890	The leaf economic and plant size spectra of European forest understory vegetation. <i>Ecography</i> , 2021, 44, 1311-1324.	2.1	20
891	Relating leaf traits to seedling performance in a tropical forest: building a hierarchical functional framework. <i>Ecology</i> , 2021, 102, e03385.	1.5	7
892	High functional diversity in deep-sea fish communities and increasing intraspecific trait variation with increasing latitude. <i>Ecology and Evolution</i> , 2021, 11, 10600-10612.	0.8	14
893	Coordination between compound-specific chemistry and morphology in plant roots aligns with ancestral mycorrhizal association in woody angiosperms. <i>New Phytologist</i> , 2021, 232, 1259-1271.	3.5	24
894	Do Bryophyte Elemental Concentrations Explain Their Morphological Traits?. <i>Plants</i> , 2021, 10, 1581.	1.6	6
895	Historical and current environmental selection on functional traits of trees in the Atlantic Forest biodiversity hotspot. <i>Journal of Vegetation Science</i> , 2021, 32, e13049.	1.1	6
896	Relationships between plant-soil feedbacks and functional traits. <i>Journal of Ecology</i> , 2021, 109, 3411-3423.	1.9	29
897	Aboveground-trait variations in 11 (sub)alpine plants along a 1000-m elevation gradient in tropical Mexico. <i>Alpine Botany</i> , 2021, 131, 187.	1.1	13
898	Fleshy Structures Associated with Ovule Protection and Seed Dispersal in Gymnosperms: A Systematic and Evolutionary Overview. <i>Critical Reviews in Plant Sciences</i> , 2021, 40, 285-302.	2.7	10
899	Large seeds provide an intrinsic growth advantage that depends on leaf traits and root allocation. <i>Functional Ecology</i> , 2021, 35, 2168-2178.	1.7	9

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900	Trait-based adaptability of <i>Phragmites australis</i> to the effects of soil water and salinity in the Yellow River Delta. <i>Ecology and Evolution</i> , 2021, 11, 11352-11361.	0.8	8
901	Invasive tree cover covaries with environmental factors to explain the functional composition of riparian plant communities. <i>Oecologia</i> , 2021, 196, 1139-1152.	0.9	6
903	Carbon concentration in the world's trees across climatic gradients. <i>New Phytologist</i> , 2021, 232, 123-133.	3.5	6
904	Praise for diversity: A functional approach to reduce risks in urban forests. <i>Urban Forestry and Urban Greening</i> , 2021, 62, 127157.	2.3	31
905	Using phylogenetic information to impute missing functional trait values in ecological databases. <i>Ecological Informatics</i> , 2021, 63, 101315.	2.3	27
906	A worldwide and annotated database of evaporative water loss rates in squamate reptiles. <i>Global Ecology and Biogeography</i> , 2021, 30, 1938-1950.	2.7	16
907	Higher water and nutrient use efficiencies in savanna than in rainforest lianas result in no difference in photosynthesis. <i>Tree Physiology</i> , 2022, 42, 145-159.	1.4	6
908	Functional diversity and redundancy of tropical forests shift with elevation and forest-use intensity. <i>Journal of Applied Ecology</i> , 2021, 58, 1827-1837.	1.9	14
909	Soil-associated drivers of plant traits and functional composition in Atlantic Forest coastal tree communities. <i>Ecosphere</i> , 2021, 12, e03629.	1.0	11
910	Shifts in ecological strategy spectra of typical forest vegetation types across four climatic zones. <i>Scientific Reports</i> , 2021, 11, 14127.	1.6	10
911	Spectroscopy outperforms leaf trait relationships for predicting photosynthetic capacity across different forest types. <i>New Phytologist</i> , 2021, 232, 134-147.	3.5	19
913	How do lizard niches conserve, diverge or converge? Further exploration of saurian evolutionary ecology. <i>Bmc Ecology and Evolution</i> , 2021, 21, 149.	0.7	5
914	Clumpy coexistence in phytoplankton: the role of functional similarity in community assembly. <i>Oikos</i> , 2021, 130, 1583-1597.	1.2	5
916	Phylogenetic restriction of plant invasion in drought-stressed environments: Implications for insect-pollinated plant communities in water-limited ecosystems. <i>Ecology and Evolution</i> , 2021, 11, 10042-10053.	0.8	4
918	Seasonal drought regulates species distributions and assembly of tree communities across a tropical wet forest region. <i>Global Ecology and Biogeography</i> , 2021, 30, 1847-1862.	2.7	8
919	Single Grazing Is More Detrimental to Grasslands Than Mixed Grazing: Evidence From the Response of Functional Traits of Dominant Plants to Grazing Systems. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	7
920	Ecological and evolutionary approaches to improving crop variety mixtures. <i>Nature Ecology and Evolution</i> , 2021, 5, 1068-1077.	3.4	53
921	Nutrient cycling drives plant community trait assembly and ecosystem functioning in a tropical mountain biodiversity hotspot. <i>New Phytologist</i> , 2021, 232, 551-566.	3.5	20

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922	A unifying framework for quantifying and comparing n-dimensional hypervolumes. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1953-1968.	2.2	18
923	An integrated framework of plant form and function: the belowground perspective. <i>New Phytologist</i> , 2021, 232, 42-59.	3.5	153
925	Using evolutionary functional structural plant modelling to understand the effect of climate change on plant communities. <i>In Silico Plants</i> , 2021, 3, .	0.8	4
926	Linking insect herbivory with plant traits: Phylogenetically structured trait syndromes matter. <i>Journal of Vegetation Science</i> , 2021, 32, e13061.	1.1	5
927	Morphology mirrors trophic niche in a freshwater amphipod community. <i>Freshwater Biology</i> , 2021, 66, 1968-1979.	1.2	5
928	Concepts and applications in functional diversity. <i>Functional Ecology</i> , 2021, 35, 1869-1885.	1.7	91
929	Functional differentiation of invasive and native plants along a leaf efficiency/safety trade-off. <i>Environmental and Experimental Botany</i> , 2021, 188, 104518.	2.0	14
930	Large standard trees and deadwood promote functional divergence in the understory of beech coppice forests. <i>Forest Ecology and Management</i> , 2021, 494, 119324.	1.4	9
931	Decoupling between plant growth and functional traits of the free-floating fern <i>Salvinia natans</i> under shifted water nutrient stoichiometric regimes. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021, 281, 151876.	0.6	6
932	Deep learning and citizen science enable automated plant trait predictions from photographs. <i>Scientific Reports</i> , 2021, 11, 16395.	1.6	19
933	The Potential of Mapping Grassland Plant Diversity with the Links among Spectral Diversity, Functional Trait Diversity, and Species Diversity. <i>Remote Sensing</i> , 2021, 13, 3034.	1.8	12
934	Complex trait environment relationships underlie the structure of forest plant communities. <i>Journal of Ecology</i> , 2021, 109, 3794-3806.	1.9	11
935	High evolutionary and functional distinctiveness of endemic monocots in world islands. <i>Biodiversity and Conservation</i> , 2021, 30, 3697.	1.2	6
936	Changes in plant species abundance alter the multifunctionality and functional space of heathland ecosystems. <i>New Phytologist</i> , 2021, 232, 1238-1249.	3.5	7
937	Exotics are more complementary over time in tree biodiversity ecosystem functioning experiments. <i>Functional Ecology</i> , 2021, 35, 2550.	1.7	2
938	Leaf functional traits of dominant desert plants in the Hexi Corridor, Northwestern China: Trade-off relationships and adversity strategies. <i>Global Ecology and Conservation</i> , 2021, 28, e01666.	1.0	16
939	Taxonomic, functional, and phylogenetic beta diversity in the Inner Mongolia grassland. <i>Global Ecology and Conservation</i> , 2021, 28, e01634.	1.0	14
940	Extinction of threatened vertebrates will lead to idiosyncratic changes in functional diversity across the world. <i>Nature Communications</i> , 2021, 12, 5162.	5.8	38

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941	Plant invasion alters latitudinal pattern of plant defense syndromes. <i>Ecology</i> , 2021, 102, e03511.	1.5	10
942	Plant functional traits along an old-field succession in the high tropical andes. <i>Acta Oecologica</i> , 2021, 111, 103738.	0.5	1
943	The coordination between leaf and fine root litter decomposition and the difference in their controlling factors. <i>Global Ecology and Biogeography</i> , 2021, 30, 2286-2296.	2.7	54
944	Functional diversity and identity of plant genotypes regulate rhizodeposition and soil microbial activity. <i>New Phytologist</i> , 2021, 232, 776-787.	3.5	24
945	Variations in Leaf Traits Modulate Plant Vegetative and Reproductive Phenological Sequencing Across Arid Mediterranean Shrublands. <i>Frontiers in Plant Science</i> , 2021, 12, 708367.	1.7	6
946	Influences of the bark economics spectrum and positive termite feedback on bark and xylem decomposition. <i>Ecology</i> , 2021, 102, e03480.	1.5	12
947	Functional traits shape tree species distribution in the Himalayas. <i>Journal of Ecology</i> , 2021, 109, 3818-3834.	1.9	19
948	A roadmap to plant functional island biogeography. <i>Biological Reviews</i> , 2021, 96, 2851-2870.	4.7	37
949	Leaf trait integration mediates species richness variation in a species-rich neotropical forest domain. <i>Plant Ecology</i> , 2021, 222, 1183-1195.	0.7	3
950	Structural diversity and tree density drives variation in the biodiversity-ecosystem function relationship of woodlands and savannas. <i>New Phytologist</i> , 2021, 232, 579-594.	3.5	16
951	Hemiepiphytes revisited. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2021, 51, 125620.	1.1	28
952	Intraspecific trait variation drives grassland species richness and productivity under changing precipitation. <i>Ecosphere</i> , 2021, 12, e03707.	1.0	3
953	Functional trait perspective on suitable habitat distribution of invasive plant species at a global scale. <i>Perspectives in Ecology and Conservation</i> , 2021, 19, 475-486.	1.0	5
954	Plant functional types broadly describe water use strategies in the Caatinga, a seasonally dry tropical forest in northeast Brazil. <i>Ecology and Evolution</i> , 2021, 11, 11808-11825.	0.8	12
955	Leaf habits and their relationship with leaf and wood traits in tropical dry forests. <i>Trees - Structure and Function</i> , 2022, 36, 7-24.	0.9	7
956	Stress-resistance traits disrupt the plant economics - decomposition relationship across environmental gradients in salt marshes. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 258, 107391.	0.9	1
957	Palm Functional Traits, Soil Fertility and Hydrology Relationships in Western Amazonia. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	3
958	Smartphone-based plant leaf area meter. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 839, 032032.	0.2	0

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959	Finding common ground: Toward comparable indicators of adaptive capacity of tree species to a changing climate. <i>Ecology and Evolution</i> , 2021, 11, 13081-13100.	0.8	13
960	Willow Aboveground and Belowground Traits Can Predict Phytoremediation Services. <i>Plants</i> , 2021, 10, 1824.	1.6	5
961	Transition in multi-dimensional leaf traits and their controls on water use strategies of co-occurring species along a soil limiting-resource gradient. <i>Ecological Indicators</i> , 2021, 128, 107838.	2.6	8
962	Urban growth drives trait composition of urban spontaneous plant communities in a mountainous city in China. <i>Journal of Environmental Management</i> , 2021, 293, 112869.	3.8	8
964	BIOVERA-Tree: tree diversity, community composition, forest structure and functional traits along gradients of forest-use intensity and elevation in Veracruz, Mexico. <i>Biodiversity Data Journal</i> , 2021, 9, e69560.	0.4	2
965	Towards scalable estimation of plant functional diversity from Sentinel-2: In-situ validation in a heterogeneous (semi-)natural landscape. <i>Remote Sensing of Environment</i> , 2021, 262, 112505.	4.6	27
966	Huff and puff and blow down: invasive plants traits response to strong winds at the Southern Oceanic Islands. <i>Oikos</i> , 0, , .	1.2	2
967	Including leaf trait information helps empirical estimation of $j_{max}$ from $v_{cmax}$ in cool-temperate deciduous forests. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 839-848.	2.8	3
968	The three major axes of terrestrial ecosystem function. <i>Nature</i> , 2021, 598, 468-472.	13.7	99
969	Exploring Plant Functional Diversity and Redundancy of Mediterranean High-Mountain Habitats in the Apennines. <i>Diversity</i> , 2021, 13, 466.	0.7	9
970	For flux's sake: General considerations for energyâ€¦flux calculations in ecological communities. <i>Ecology and Evolution</i> , 2021, 11, 12948-12969.	0.8	15
971	Forest understorey plant responses to longâ€¦term experimental warming, light and nitrogen addition. <i>Plant Biology</i> , 2021, 23, 1051-1062.	1.8	13
972	Modelling Human-Fire Interactions: Combining Alternative Perspectives and Approaches. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	11
973	John Philip Grime. 30 April 1935 â€” 19 April 2021. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2021, 71, 249-270.	0.1	2
974	Relative importance of climatic variables, soil properties and plant traits to spatial variability in net CO <sub>2</sub> exchange across global forests and grasslands. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108506.	1.9	13
975	Intensification of aÃƒaÃƒ-palm management largely impoverishes tree assemblages in the Amazon estuarine forest. <i>Biological Conservation</i> , 2021, 261, 109251.	1.9	16
976	The macroecology of plant populations from local to global scales. <i>New Phytologist</i> , 2022, 233, 1038-1050.	3.5	16
977	Both diversity and functional composition affect productivity and water use efficiency in experimental temperate grasslands. <i>Journal of Ecology</i> , 2021, 109, 3877-3891.	1.9	12

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978	Fine-scale spatial associations between functional traits and tree growth. <i>Oikos</i> , 0, , .	1.2	4
979	Tree growth response to soil nutrients and neighborhood crowding varies between mycorrhizal types in an old-growth temperate forest. <i>Oecologia</i> , 2021, 197, 523-535.	0.9	5
980	Effects of logging on the ecological strategy spectrum of a tropical montane rain forest. <i>Ecological Indicators</i> , 2021, 128, 107812.	2.6	8
981	Crop domestication, functional traits and the boundaries of nature. <i>Functional Ecology</i> , 2021, 35, 1866-1868.	1.7	0
982	Thermal differences between juveniles and adults increased over time in European forest trees. <i>Journal of Ecology</i> , 2021, 109, 3944-3957.	1.9	4
983	Habitat Adaptation Mediates the Influence of Leaf Traits on Canopy Productivity: Evidence from a Tropical Freshwater Swamp Forest. <i>Ecosystems</i> , 2022, 25, 1006-1019.	1.6	2
984	Loss in macronutrient pools in bilberry and lingonberry in mesic Scots pine forests after Northern red oak introduction. <i>European Journal of Forest Research</i> , 2021, 140, 1499-1514.	1.1	3
985	Divergent scaling of fine-root nitrogen and phosphorus in different root diameters, orders and functional categories: A meta-analysis. <i>Forest Ecology and Management</i> , 2021, 495, 119384.	1.4	4
986	Fine-root traits in the global spectrum of plant form and function. <i>Nature</i> , 2021, 597, 683-687.	13.7	102
987	Local hydrological gradients structure high intraspecific variability in plant hydraulic traits in two dominant central Amazonian tree species. <i>Journal of Experimental Botany</i> , 2022, 73, 939-952.	2.4	15
988	Canopy and understorey tree guilds respond differently to the environment in an Indian rain forest. <i>Journal of Vegetation Science</i> , 2021, 32, e13075.	1.1	0
989	Reprint of: Functional-structural plant models to boost understanding of complementarity in light capture and use in mixed-species forests. <i>Basic and Applied Ecology</i> , 2021, 55, 64-73.	1.2	0
990	Are leaf, stem and hydraulic traits good predictors of individual tree growth?. <i>Functional Ecology</i> , 2021, 35, 2435-2447.	1.7	16
991	Global patterns of leaf construction traits and their covariation along climate and soil environmental gradients. <i>New Phytologist</i> , 2021, 232, 1648-1660.	3.5	18
993	Post-fire summer rainfall differentially affects reseeders and resprouter population recovery in fire-prone shrublands of South Africa. <i>Science of the Total Environment</i> , 2021, 788, 147699.	3.9	8
994	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	2.4	73
996	Global consistency in response of terrestrial ecosystem respiration to temperature. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108576.	1.9	3
997	Towards a unifying framework for diversity and dissimilarity coefficients. <i>Ecological Indicators</i> , 2021, 129, 107971.	2.6	10

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998	Drivers of tree community assembly during tropical forest post-fire succession in anthropogenic savannas. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2021, 52, 125630.	1.1	5
999	Functional traits as indicators of ecological strategies of savanna woody species under contrasting substrate conditions. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021, 284, 151925.	0.6	5
1000	Divergent long- and short-term responses to environmental gradients in specific leaf area of grassland species. <i>Ecological Indicators</i> , 2021, 130, 108058.	2.6	16
1001	Enhancing landscape planning: Vegetation-mediated ecosystem services predicted by plant traits. <i>Landscape and Urban Planning</i> , 2021, 215, 104220.	3.4	8
1002	Transferring concepts from plant to microbial ecology: A framework proposal to identify relevant bacterial functional traits. <i>Soil Biology and Biochemistry</i> , 2021, 162, 108415.	4.2	19
1003	Remote sensing of spectral diversity: A new methodological approach to account for spatio-temporal dissimilarities between plant communities. <i>Ecological Indicators</i> , 2021, 130, 108106.	2.6	20
1004	Explaining discrepancies between spectral and in-situ plant diversity in multispectral satellite earth observation. <i>Remote Sensing of Environment</i> , 2021, 265, 112684.	4.6	26
1005	Both fencing duration and shrub cover facilitate the restoration of shrub-encroached grasslands. <i>Catena</i> , 2021, 207, 105587.	2.2	2
1007	A research framework for projecting ecosystem change in highly diverse tropical mountain ecosystems. <i>Oecologia</i> , 2021, 195, 589-600.	0.9	12
1008	Growth plasticity in response to shading as a potential key to the evolution of angiosperm herbs. <i>Plant Ecology</i> , 2021, 222, 387-396.	0.7	6
1010	Prospects and Pitfalls for Spectroscopic Remote Sensing of Biodiversity at the Global Scale. , 2020, , 503-518.		7
1011	Applying Remote Sensing to Biodiversity Science. , 2020, , 13-42.		10
1012	Scaling Functional Traits from Leaves to Canopies. , 2020, , 43-82.		25
1013	Biogeochemical Cycling of Carbon and Nitrogen in Chaparral Dominated Ecosystems. <i>Springer Series on Environmental Management</i> , 2018, , 141-179.	0.3	3
1014	Functional traits indicate faster resource acquisition for alien herbs than native shrubs in an urban Mediterranean shrubland. <i>Biological Invasions</i> , 2020, 22, 2699-2712.	1.2	9
1015	Optimizing the choice of service crops in vineyards to achieve both runoff mitigation and water provisioning for grapevine: a trait-based approach. <i>Plant and Soil</i> , 2020, 452, 87-104.	1.8	13
1016	A functional trait database for Mediterranean Basin plants. <i>Scientific Data</i> , 2018, 5, 180135.	2.4	109
1017	Climate and plant community diversity in space and time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4464-4470.	3.3	113



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1018	Functional trait coordination in the ancient and nutrient-impovertised campo rupestre: soil properties drive stem, leaf and architectural traits. <i>Biological Journal of the Linnean Society</i> , 2021, 133, 531-545.	0.7	6
1019	Protection status as determinant of carbon stock drivers in Cerrado sensu stricto. <i>Journal of Plant Ecology</i> , 2020, 13, 361-368.	1.2	3
1039	Functional trait dissimilarity drives both species complementarity and competitive disparity. <i>Functional Ecology</i> , 2017, 31, 2320-2329.	1.7	48
1040	The importance of intraspecific trait variability in promoting functional niche dimensionality. <i>Ecography</i> , 2021, 44, 380-390.	2.1	16
1041	Life-history dimensions indicate non-random assembly processes in tropical island tree communities. <i>Ecography</i> , 2021, 44, 469-480.	2.1	10
1042	Convergent evolution of tree hydraulic traits in Amazonian habitats: implications for community assemblage and vulnerability to drought. <i>New Phytologist</i> , 2020, 228, 106-120.	3.5	42
1043	An experimental test of CSR theory using a globally calibrated ordination method. <i>PLoS ONE</i> , 2017, 12, e0175404.	1.1	34
1044	Agrupaci3n funcional de especies vegetales para la restauraci3n ecol3gica de ecosistemas de monta±a, BogotA, Colombia. <i>Colombia Forestal</i> , 2018, 21, 5.	0.5	6
1045	Co-dominant anatomically disparate lichens converge in hydrological functional traits. <i>Bryologist</i> , 2019, 122, 463.	0.1	4
1047	Relationships among the leaf traits in temperate forest tree species in Uttarakhand, India. <i>European Journal of Ecology</i> , 2018, 4, 56-63.	0.1	5
1048	dimRed and coRanking - Unifying Dimensionality Reduction in R. <i>R Journal</i> , 2018, 10, 342.	0.7	37
1049	A comprehensive analysis of mechanical and morphological traits in temperate and tropical seagrass species. <i>Marine Ecology - Progress Series</i> , 2016, 551, 81-94.	0.9	45
1050	Evolution of Plant Architecture, Functional Diversification and Divergent Evolution in the Genus <i>Atractocarpus</i> (Rubiaceae) for New Caledonia. <i>Frontiers in Plant Science</i> , 2018, 9, 1775.	1.7	15
1051	A database of functional traits for spiders from native forests of the Iberian Peninsula and Macaronesia. <i>Biodiversity Data Journal</i> , 2020, 8, e49159.	0.4	19
1052	A new dataset on plant occurrences on small islands, including species abundances and functional traits across different spatial scales. <i>Biodiversity Data Journal</i> , 2020, 8, e55275.	0.4	4
1053	Functional traits of acquisitive invasive woody species differ from conservative invasive and native species. <i>NeoBiota</i> , 0, 41, 91-113.	1.0	27
1054	Light and propagule pressure affect invasion intensity of <i>Prunus serotina</i> in a 14-tree species forest common garden experiment. <i>NeoBiota</i> , 0, 46, 1-21.	1.0	18
1055	Understanding the uncertainty in global forest carbon turnover. <i>Biogeosciences</i> , 2020, 17, 3961-3989.	1.3	45

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1056	Incorporating RDA Outputs in the Design of a European Research Infrastructure for Natural Science Collections. <i>Data Science Journal</i> , 2020, 19, .	0.6	7
1057	Plant diversity maintains multiple soil functions in future environments. <i>ELife</i> , 2018, 7, .	2.8	54
1058	Mediterranean nekton traits: distribution, relationships and significance for marine ecology monitoring and management. <i>PeerJ</i> , 2020, 8, e8494.	0.9	9
1059	Functional traits of broad-leaved monocot herbs in the understory and forest edges of a Costa Rican rainforest. <i>PeerJ</i> , 2020, 8, e9958.	0.9	9
1060	Linking high diversification rates of rapidly growing Amazonian plants to geophysical landscape transformations promoted by Andean uplift. <i>Botanical Journal of the Linnean Society</i> , 2022, 199, 36-52.	0.8	3
1061	Strategic traits of bacteria and archaea vary widely within substrate-use groups. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	8
1062	Biovera-Epi: A new database on species diversity, community composition and leaf functional traits of vascular epiphytes along gradients of elevation and forest-use intensity in Mexico. <i>Biodiversity Data Journal</i> , 2021, 9, e71974.	0.4	4
1063	Dead wood diversity promotes fungal diversity. <i>Oikos</i> , 2021, 130, 2202-2216.	1.2	20
1064	Effects of a Dominant Species on the Functional Diversity of Coexisting Species in Temperate Deciduous Understorey. <i>Plants</i> , 2021, 10, 2252.	1.6	3
1065	The role of wood anatomical traits in the coexistence of oak species along an environmental gradient. <i>AoB PLANTS</i> , 2021, 13, plab066.	1.2	9
1066	Plant height and lifespan predict range size in southern African grasses. <i>Journal of Biogeography</i> , 2021, 48, 3047-3059.	1.4	10
1067	Forest understorey communities respond strongly to light in interaction with forest structure, but not to microclimate warming. <i>New Phytologist</i> , 2022, 233, 219-235.	3.5	32
1068	Herbaria as Big Data Sources of Plant Traits. <i>International Journal of Plant Sciences</i> , 2022, 183, 87-118.	0.6	38
1069	Measuring biological diversity. <i>Current Biology</i> , 2021, 31, R1174-R1177.	1.8	110
1070	Functional Traits of Terrestrial Plants in the Intertidal: A Review on Mangrove Trees. <i>Biological Bulletin</i> , 2021, 241, 123-139.	0.7	12
1071	Photosynthetic and morphological traits control aquatic plant distribution according to light stress. <i>Evolutionary Ecology</i> , 2021, 35, 739-760.	0.5	11
1072	Major environmental factors and traits of invasive alien plants determine their spatial distribution: a case study in Korea. <i>Journal of Ecology and Environment</i> , 2021, 45, .	1.6	4
1073	Characteristics of the naturalized flora of Southern Africa largely reflect the non-random introduction of alien species for cultivation. <i>Ecography</i> , 2021, 44, 1812-1825.	2.1	12

#	ARTICLE	IF	CITATIONS
1074	Variations in Plant Richness, Biogeographical Composition, and Life Forms along an Elevational Gradient in a Mediterranean Mountain. <i>Plants</i> , 2021, 10, 2090.	1.6	14
1075	Limited evidence that larger acorns buffer <i>Quercus rubra</i> seedlings from density-dependent biotic stressors. <i>American Journal of Botany</i> , 2021, 108, 1861-1872.	0.8	2
1076	Plant functional traits shape growth rate for xerophytic shrubs. <i>Plant Biology</i> , 2022, 24, 205-214.	1.8	2
1077	The effects of ecological selection on species diversity and trait distribution: predictions and an empirical test. <i>Ecology</i> , 2022, 103, e03567.	1.5	4
1078	The role of genus and life span in predicting seed and vegetative trait variation and correlation in <i>Lathyrus</i> , <i>Phaseolus</i> , and <i>Vicia</i> . <i>American Journal of Botany</i> , 2021, 108, 2388-2404.	0.8	4
1079	Plant community legacy effects on nutrient cycling, fungal decomposer communities and decomposition in a temperate grassland. <i>Soil Biology and Biochemistry</i> , 2021, 163, 108450.	4.2	7
1086	Leaf area estimation in <i>Jatropha curcas</i> (L.): an update. <i>AIMS Environmental Science</i> , 2018, 5, 353-371.	0.7	0
1089	Allometric models for non-destructive leaf area estimation in <i>Eugenia uniflora</i> (L.). <i>Peruvian Journal of Agronomy</i> , 2018, 2, 1.	0.3	0
1093	Growth and Allocation. , 2019, , 385-449.		5
1095	Estimating leaf area of <i>Jatropha nana</i> through non-destructive allometric models. <i>AIMS Environmental Science</i> , 2019, 6, 59-76.	0.7	1
1099	El abandono del pastoreo afecta negativamente a la calidad del pasto en pastizales atlánticos ibéricos. <i>Pirineos</i> , 0, 174, 042.	0.6	2
1106	Functional patterns of tree communities in natural <i>Araucaria</i> forests and old monoculture conifer plantations. <i>Acta Botanica Brasilica</i> , 2019, 33, 777-785.	0.8	3
1107	Growth trajectories, better than organ-level functional traits, reveal intraspecific response to environmental variation. <i>Peer Community in Ecology</i> , 0, , 100041.	0.0	1
1114	Aproximación al uso de rasgos funcionales y gradientes ambientales para seis especies del arbolado urbano de Bogotá. <i>Revista Facultad De Ciencias Básicas</i> , 2020, 15, 17-33.	0.2	0
1117	Exploring Assembly Trajectories of Abandoned Grasslands in Response to 10 Years of Mowing in Sub-Mediterranean Context. <i>Land</i> , 2021, 10, 1158.	1.2	2
1118	The effects of functional diversity and identity (acquisitive versus conservative strategies) on soil carbon stocks are dependent on environmental contexts. <i>Forest Ecology and Management</i> , 2022, 503, 119820.	1.4	7
1119	The Dynamic Hypercube as a Niche Community Model. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	0
1120	Spatiotemporal Evolution of the Global Species Diversity of <i>Rhododendron</i> . <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	39

#	ARTICLE	IF	CITATIONS
1121	Putting vascular epiphytes on the traits map. <i>Journal of Ecology</i> , 2022, 110, 340-358.	1.9	19
1122	Predicting tropical tree mortality with leaf spectroscopy. <i>Biotropica</i> , 2021, 53, 581-595.	0.8	3
1123	Towards linking freshwater plants and ecosystems via functional biogeography. <i>Aquatic Botany</i> , 2022, 176, 103454.	0.8	9
1125	Identification of functionally distinct plants using linear spectral mixture analysis. , 2020, , 95-106.		1
1127	Allometric Relations in Leaves of <i>Erythroxylum paufferense</i> : Endemic Species of Alto-Montana Forest in the Northeast Region, Brazil. <i>Floresta E Ambiente</i> , 2020, 27, .	0.1	1
1128	Linking Foliar Traits to Belowground Processes. , 2020, , 173-197.		4
1134	Colonization-related functional traits of plants in a 50-hectare plot of secondary tropical forest. <i>Acta Botanica Brasílica</i> , 2020, 34, 1-8.	0.8	2
1135	Levenbergâ€“Marquardt algorithm with adaptive Tikhonov regularization for bandwidth correction of spectra. <i>Journal of Modern Optics</i> , 2020, 67, 661-670.	0.6	2
1136	Functional diversity effects on productivity increase with age in a forest biodiversity experiment. <i>Nature Ecology and Evolution</i> , 2021, 5, 1594-1603.	3.4	83
1137	Development of a low cost open-source ultrasonic device for plant height measurements. <i>Smart Agricultural Technology</i> , 2021, 1, 100022.	3.1	5
1138	A wholeâ€“plant economics spectrum including bark functional traits for 59 subtropical woody plant species. <i>Journal of Ecology</i> , 2022, 110, 248-261.	1.9	27
1139	Rasgos funcionales de plantas leÃ±osas en Ã¡reas verdes de BogotÃ¡, Colombia. <i>Biota Colombiana</i> , 2020, 21, .	0.1	2
1140	Plant trait response of tundra shrubs to permafrost thaw and nutrient addition. <i>Biogeosciences</i> , 2020, 17, 4981-4998.	1.3	6
1146	Anthropogenic Disturbances Shape Soil Capillary and Saturated Water Retention Indirectly via Plant Functional Traits and Soil Organic Carbon in Temperate Forests. <i>Forests</i> , 2021, 12, 1588.	0.9	1
1147	Global analysis of traitâ€“trait relationships within and between species. <i>New Phytologist</i> , 2022, 233, 1643-1656.	3.5	24
1148	Prioritising crop wild relatives to enhance agricultural resilience in subâ€“Saharan Africa under climate change. <i>Plants People Planet</i> , 0, , .	1.6	14
1149	Traitâ€“habitat associations explain novel bird assemblages mixing native and alien species across New Zealand landscapes. <i>Diversity and Distributions</i> , 2022, 28, 38-52.	1.9	6
1150	Environmental associations of abundance-weighted functional traits in Australian plant communities. <i>Basic and Applied Ecology</i> , 2022, 58, 98-109.	1.2	11

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1152	Land-use legacies predispose the response of trees to drought in restored forests. <i>Global Change Biology</i> , 2022, 28, 1204-1211.	4.2	4
1153	The genetic basis of the root economics spectrum in a perennial grass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	11
1155	Opposing Ecological Strategies Together Promote Biomass Carbon Storage in Homegardens Agroforestry of Southern Bangladesh. <i>Forests</i> , 2021, 12, 1669.	0.9	4
1156	Leaf reflectance can surrogate foliar economics better than physiological traits across macrophyte species. <i>Plant Methods</i> , 2021, 17, 115.	1.9	10
1157	The hidden half of the fine root differentiation in herbs: nonacquisitive belowground organs determine fine-root traits. <i>Oikos</i> , 2023, 2023, .	1.2	12
1158	Spatial resolution, spectral metrics and biomass are key aspects in estimating plant species richness from spectral diversity in species-rich grasslands. <i>Remote Sensing in Ecology and Conservation</i> , 2022, 8, 297-314.	2.2	28
1159	The Economics Spectrum Drives Root Trait Strategies in Mediterranean Vegetation. <i>Frontiers in Plant Science</i> , 2021, 12, 773118.	1.7	15
1160	Effects of Soil Properties, Temperature and Disturbance on Diversity and Functional Composition of Plant Communities Along a Steep Elevational Gradient on Tenerife. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	4
1161	Intraspecific trait variation improves understanding and management of cover crop outcomes. <i>Ecosphere</i> , 2021, 12, e03817.	1.0	3
1162	Functional recovery of secondary tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	34
1163	Do trait responses to simulated browsing in <i>Quercus robur</i> saplings affect their attractiveness to <i>Capreolus capreolus</i> the following year?. <i>Environmental and Experimental Botany</i> , 2021, , 104743.	2.0	2
1165	Trait-based projections of climate change effects on global biome distributions. <i>Diversity and Distributions</i> , 2022, 28, 25-37.	1.9	16
1167	Polyploidy promotes divergent evolution across the leaf economics spectrum and plant edaphic niche in the <i>Dianthus broteri</i> complex. <i>Journal of Ecology</i> , 2022, 110, 605-618.	1.9	8
1168	Towards a functional phytosociology: the functional ecology of woody diagnostic species and their vegetation classes in Northern Italy. <i>IForest</i> , 2021, 14, 522-530.	0.5	4
1169	Temperature, not precipitation, drives the morphological traits of <i>Didymodon rigidulus</i> in Tibet. <i>Ecological Indicators</i> , 2021, 133, 108401.	2.6	6
1170	Metabolic rates mirror morphological and behavioral differences in two sand-dwelling coral reef gobies. <i>Marine Ecology - Progress Series</i> , 0, , .	0.9	5
1171	Transgenerational Responses to Climate Change in Mediterranean Annual Species with Contrasting Functional Strategies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1172	Assessing linkages between land use and biodiversity: A case study from the Eastern Himalayas using low-cost, high-return survey technology. , 2022, , 377-392.		0

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1173	Divergent Abiotic Stressors Drive Grassland Community Assembly of Tibet and Mongolia Plateau. <i>Frontiers in Plant Science</i> , 2021, 12, 715730.	1.7	2
1174	Leaf economics in a three-dimensional environment: Testing leaf trait responses in vascular epiphytes to land use, climate and tree zone. <i>Functional Ecology</i> , 0, , .	1.7	4
1175	Small and slow is safe: On the drought tolerance of tropical tree species. <i>Global Change Biology</i> , 2022, 28, 2622-2638.	4.2	35
1176	Relationships between above-ground plant traits and carbon cycling in tundra plant communities. <i>Journal of Ecology</i> , 2022, 110, 700-716.	1.9	21
1177	Delayed and altered post-fire recovery pathways of Mediterranean shrubland under 20-year drought manipulation. <i>Forest Ecology and Management</i> , 2022, 506, 119970.	1.4	1
1178	Fire promotes functional plant diversity and modifies soil carbon dynamics in tropical savanna. <i>Science of the Total Environment</i> , 2022, 812, 152317.	3.9	12
1180	Functionally distinct tree species support long-term productivity in extreme environments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211694.	1.2	6
1181	Functional traits predict species responses to environmental variation in a California grassland annual plant community. <i>Journal of Ecology</i> , 2022, 110, 833-844.	1.9	15
1182	Effects of functional and phylogenetic diversity on the temporal dynamics of soil N availability. <i>Plant and Soil</i> , 2022, 472, 629-640.	1.8	4
1183	Leaf hydraulics coordinated with leaf economics and leaf size in mangrove species along a salinity gradient. <i>Plant Diversity</i> , 2023, 45, 309-314.	1.8	12
1185	Out of the shadows: ecology of open ecosystems. <i>Plant Ecology and Diversity</i> , 2021, 14, 205-222.	1.0	25
1186	Intraspecific trait changes have large impacts on community functional composition but do not affect ecosystem function. <i>Journal of Ecology</i> , 2022, 110, 644-658.	1.9	20
1187	Fire disturbance effects on plant taxonomic and functional diversity mediated by topographic exposure. <i>Ecology and Evolution</i> , 2022, 12, e8552.	0.8	12
1188	Remote sensing of cytotype and its consequences for canopy damage in quaking aspen. <i>Global Change Biology</i> , 2022, 28, 2491-2504.	4.2	7
1190	Montane Temperate-Boreal Forests Retain the Leaf Economic Spectrum Despite Intraspecific Variability. <i>Frontiers in Forests and Global Change</i> , 2022, 4, .	1.0	5
1191	Functional Traits 2.0: The power of the metabolome for ecology. <i>Journal of Ecology</i> , 2022, 110, 4-20.	1.9	42
1192	Multi-trait genetic variation in resource-use strategies and phenotypic plasticity correlates with local climate across the range of a Mediterranean oak ( <i>Quercus faginea</i> ). <i>New Phytologist</i> , 2022, 234, 462-478.	3.5	29
1193	Functionally diverse tree stands reduce herbaceous diversity and productivity via canopy packing. <i>Functional Ecology</i> , 2022, 36, 950-961.	1.7	5

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1194	Polygenic adaptation and negative selection across traits, years and environments in a long-lived plant species ( <i>Pinus pinaster</i> Ait., Pinaceae). <i>Molecular Ecology</i> , 2022, 31, 2089-2105.	2.0	21
1195	The effect of niche filtering on plant species abundance in temperate grassland communities. <i>Functional Ecology</i> , 0, , .	1.7	2
1196	Exploring how functional traits modulate species distributions along topographic gradients in Baxian Mountain, North China. <i>Scientific Reports</i> , 2022, 12, 994.	1.6	3
1197	Structural organization of the spongy mesophyll. <i>New Phytologist</i> , 2022, 234, 946-960.	3.5	29
1198	Functional traits contribute in opposite directions to taxonomic turnover in northeastern US forests over time. <i>Journal of Vegetation Science</i> , 2022, 33, .	1.1	2
1199	Do non-native plants affect terrestrial arthropods in the sub-Antarctic Kerguelen Islands?. <i>Polar Biology</i> , 2022, 45, 491-506.	0.5	1
1200	Shifts in structural diversity of Amazonian forest edges detected using terrestrial laser scanning. <i>Remote Sensing of Environment</i> , 2022, 271, 112895.	4.6	12
1201	A new parametric measure of functional dissimilarity: Bridging the gap between the Bray-Curtis dissimilarity and the Euclidean distance. <i>Ecological Modelling</i> , 2022, 466, 109880.	1.2	8
1202	Functional diversity and species diversity in flooded and unflooded tropical forests. <i>Acta Oecologica</i> , 2022, 114, 103814.	0.5	1
1203	A test of the fast-slow plant economy hypothesis in a subtropical rain forest. <i>Plant Ecology and Diversity</i> , 2021, 14, 267-277.	1.0	0
1204	Plant sizes and shapes above and belowground and their interactions with climate. <i>New Phytologist</i> , 2022, 235, 1032-1056.	3.5	45
1206	Comparison of Leaf and Fine Root Traits Between Annuals and Perennials, Implicating the Mechanism of Species Changes in Desertified Grasslands. <i>Frontiers in Plant Science</i> , 2021, 12, 778547.	1.7	9
1207	Mega-fire in redwood tanoak forest reduces bacterial and fungal richness and selects for pyrophilous taxa that are phylogenetically conserved. <i>Molecular Ecology</i> , 2022, 31, 2475-2493.	2.0	19
1208	Evolution of Plant Niche Construction Traits in Biogeomorphic Landscapes. <i>American Naturalist</i> , 2022, 199, 758-775.	1.0	1
1209	Vegetation of natural and stabilized riverbanks and early effects of removal of bank fixation. <i>International Review of Hydrobiology</i> , 0, , .	0.5	4
1210	Transgenerational responses to climate change in Mediterranean annual species with contrasting functional strategies. <i>Environmental and Experimental Botany</i> , 2022, 196, 104817.	2.0	3
1211	Osmotic stress induced by PEG is related to growth form in Piperaceae species, but not to habitat. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 288, 152024.	0.6	0
1212	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation. <i>Nature Ecology and Evolution</i> , 2022, 6, 36-50.	3.4	89

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1213	Multidimensional tropical forest recovery. <i>Science</i> , 2021, 374, 1370-1376.	6.0	165
1214	Leaf Trait Networks Based on Global Data: Representing Variation and Adaptation in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 710530.	1.7	17
1215	Functional Variability in Specific Root Respiration Translates to Autotrophic Differences in Soil Respiration in a Temperate Deciduous Forest. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1216	The Potential Roles of Unique Leaf Structure for the Adaptation of <i>Rheum tanguticum</i> Maxim. ex Balf. in Qinghaiâ€™ Tibetan Plateau. <i>Plants</i> , 2022, 11, 512.	1.6	3
1217	Trait divergence between endemic plants of Aegean islands and their widespread congeners. <i>Plant Ecology</i> , 0, , 1.	0.7	1
1218	Precipitation effects on grassland plant performance are lessened by hay harvest. <i>Scientific Reports</i> , 2022, 12, 3282.	1.6	3
1219	Woody plant encroachment constrains regeneration of groundâ€™layer species in a neotropical savanna from seeds. <i>Austral Ecology</i> , 2022, 47, 674-684.	0.7	1
1220	Soil fertility and water availability effects on trait dispersion and phylogenetic relatedness of tropical terrestrial ferns. <i>Oecologia</i> , 2022, 198, 733-748.	0.9	6
1221	Biochemical traits enhance the trait concept in <i>Sphagnum</i> ecology. <i>Oikos</i> , 2022, 2022, .	1.2	5
1222	Variations in leaf and stem traits across two elevations in subtropical forests. <i>Functional Plant Biology</i> , 2022, 49, 319-332.	1.1	2
1223	Diameters of phloem sieve elements can predict stem growth rates of woody plants. <i>Tree Physiology</i> , 2022, 42, 1560-1569.	1.4	2
1224	Rhizome trait scaling relationships are modulated by growth conditions and are linked to plant fitness. <i>Annals of Botany</i> , 2022, 129, 529-540.	1.4	5
1225	The Functional Structure of Tropical Plant Communities and Soil Properties Enhance Ecosystem Functioning and Multifunctionality in Different Ecosystems in Ghana. <i>Forests</i> , 2022, 13, 297.	0.9	5
1226	Contemporary environment and historical legacy explain functional diversity of freshwater fishes in the world rivers. <i>Global Ecology and Biogeography</i> , 2022, 31, 700-713.	2.7	14
1227	Partitioning the effects of plant diversity on ecosystem functions at different trophic levels. <i>Ecological Monographs</i> , 2022, 92, .	2.4	13
1228	Soil phosphorus drives plant trait variations in a mature subtropical forest. <i>Global Change Biology</i> , 2022, 28, 3310-3320.	4.2	14
1229	Context-Dependency in Relationships Between Herbaceous Plant Leaf Traits and Abiotic Factors. <i>Frontiers in Plant Science</i> , 2022, 13, 757077.	1.7	6
1230	Adaptation strategy of karst forests: Evidence from the communityâ€™weighted mean of plant functional traits. <i>Ecology and Evolution</i> , 2022, 12, e8680.	0.8	12



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1231	Differential Investment Strategies in Leaf Economic Traits Across Climate Regions Worldwide. <i>Frontiers in Plant Science</i> , 2022, 13, 798035.	1.7	6
1232	Leading trait dimensions in flood-tolerant plants. <i>Annals of Botany</i> , 2022, 130, 383-392.	1.4	4
1233	Functional redundancy changes along a drought stress gradient for the shift of selection effect to complementarity effect in experimental plant communities. <i>Journal of Plant Interactions</i> , 2022, 17, 427-436.	1.0	1
1234	Variations in accuracy of leaf functional trait prediction due to spectral mixing. <i>Ecological Indicators</i> , 2022, 136, 108687.	2.6	7
1235	Interspecific interactions alter plant functional strategies in a revegetated shrub-dominated community in the Mu Us Desert, China. <i>Annals of Botany</i> , 2022, 130, 149-158.	1.4	8
1236	Propagule size and seed development duration: high photosynthate allocation and growth allometry. <i>Planta</i> , 2022, 255, 79.	1.6	0
1237	Climate shapes the seed germination niche of temperate flowering plants: a meta-analysis of European seed conservation data. <i>Annals of Botany</i> , 2022, 129, 775-786.	1.4	23
1241	Soil conditions drive below-ground trait space in temperate agricultural grasslands. <i>Journal of Ecology</i> , 2022, 110, 1189-1200.	1.9	5
1242	Functional representativeness and distinctiveness of reintroduced birds and mammals in Europe. <i>Scientific Reports</i> , 2022, 12, 4081.	1.6	0
1243	Deciphering the role of specialist and generalist plant-microbial interactions as drivers of plant-soil feedback. <i>New Phytologist</i> , 2022, 234, 1929-1944.	3.5	63
1244	Functional traits explain non-native plant species richness and occupancy on northern New Zealand islands. <i>Biological Invasions</i> , 0, , 1.	1.2	1
1245	Functional trait variation of <i>Anemone nemorosa</i> along macro- and microclimatic gradients close to the northern range edge. <i>Nordic Journal of Botany</i> , 2022, 2022, .	0.2	3
1246	Exploring trait-performance relationships of tree seedlings along experimentally manipulated light and water gradients. <i>Ecology</i> , 2022, 103, e3703.	1.5	6
1247	Shoot senescence in herbaceous perennials of the temperate zone: Identifying drivers of senescence pace and shape. <i>Journal of Ecology</i> , 2022, 110, 1296-1311.	1.9	2
1248	Integrating remote sensing with ecology and evolution to advance biodiversity conservation. <i>Nature Ecology and Evolution</i> , 2022, 6, 506-519.	3.4	84
1249	Species Diversity Regulates Ecological Strategy Spectra of Forest Vegetation Across Different Climatic Zones. <i>Frontiers in Plant Science</i> , 2022, 13, 807369.	1.7	2
1250	Changes in plant multidimensional chemical diversity along a local soil chemical gradient in temperate forest swamps. <i>Journal of Plant Ecology</i> , 2023, 16, .	1.2	0
1251	Tree functional traits, forest biomass, and tree species diversity interact with site properties to drive forest soil carbon. <i>Nature Communications</i> , 2022, 13, 1097.	5.8	58

#	ARTICLE	IF	CITATIONS
1252	Environment and space drive the community assembly of Atlantic European grasslands: Insights from multiple facets. <i>Journal of Biogeography</i> , 2022, 49, 699-711.	1.4	9
1253	Seed dormancy in space and time: global distribution, paleoclimatic and present climatic drivers, and evolutionary adaptations. <i>New Phytologist</i> , 2022, 234, 1770-1781.	3.5	16
1255	The ecological drivers of growth form evolution in flowering plants. <i>Journal of Ecology</i> , 2022, 110, 1525-1536.	1.9	8
1256	Herbivore-induced branching increases sapling survival in temperate forest canopy gaps. <i>Journal of Ecology</i> , 2022, 110, 1390-1402.	1.9	6
1257	Towards an animal economics spectrum for ecosystem research. <i>Functional Ecology</i> , 2023, 37, 57-72.	1.7	7
1258	Parenchyma fractions drive the storage capacity of nonstructural carbohydrates across a broad range of tree species. <i>American Journal of Botany</i> , 2022, 109, 535-549.	0.8	6
1259	Functional trajectory for the assessment of ecological restoration success. <i>Restoration Ecology</i> , 2022, 30, .	1.4	6
1260	Climate-Driven Legacies in Simulated Microbial Communities Alter Litter Decomposition Rates. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	4
1261	Diversification and phylogenetic correlation of functional traits for co-occurring understory species in the Chinese boreal forest. <i>Journal of Systematics and Evolution</i> , 2023, 61, 369-382.	1.6	2
1262	Assessing the vulnerability of plant functional trait strategies to climate change. <i>Global Ecology and Biogeography</i> , 2022, 31, 1194-1206.	2.7	9
1263	Structural and functional responses in widespread distribution of some dominant grasses along climatic elevation gradients. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 289, 152034.	0.6	11
1264	Biotic, abiotic, and anthropogenic drivers of demographic performance of non-native <i>Eucalyptus</i> and <i>Pinus</i> species in forested areas of Spain. <i>Forest Ecology and Management</i> , 2022, 510, 120111.	1.4	3
1265	Species ecological strategy and soil phosphorus supply interactively affect plant biomass and phosphorus concentration. <i>Basic and Applied Ecology</i> , 2022, 62, 1-11.	1.2	7
1266	Contribution of genome-scale metabolic modelling to niche theory. <i>Ecology Letters</i> , 2022, 25, 1352-1364.	3.0	11
1267	Phylogenetic independence in the variations in leaf functional traits among different plant life forms in an arid environment. <i>Journal of Plant Physiology</i> , 2022, 272, 153671.	1.6	25
1268	Divergence and conservative of stomatal conductance in coexisting species in response to climatic stress in Tibetan Plateau. <i>Ecological Indicators</i> , 2022, 138, 108843.	2.6	4
1269	Drastic impoverishment of the soil seed bank in a tropical dry forest exposed to slash-and-burn agriculture. <i>Forest Ecology and Management</i> , 2022, 513, 120185.	1.4	19
1270	Characterizing seasonal variation in foliar biochemistry with airborne imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2022, 275, 113023.	4.6	18

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1271	Functional traits explain the consistent resistance of biodiversity to plant invasion under nitrogen enrichment. <i>Ecology Letters</i> , 2022, 25, 778-789.	3.0	38
1272	Above- and below-ground functional trait coordination in the Neotropical understory genus <i>Costus</i> . <i>AoB PLANTS</i> , 2022, 14, plab073.	1.2	8
1273	Do trade-offs govern plant species' responses to different global change treatments?. <i>Ecology</i> , 2022, 103, e3626.	1.5	5
1274	Major environmental factors and traits of invasive alien plants determining their spatial distribution. <i>Journal of Ecology and Environment</i> , 2021, 45, .	1.6	2
1275	Distinct Responses of Leaf Traits to Environment and Phylogeny Between Herbaceous and Woody Angiosperm Species in China. <i>Frontiers in Plant Science</i> , 2021, 12, 799401.	1.7	6
1277	Statistical Unfolding Approach to Understand Influencing Factors for Taxol Content Variation in High Altitude Himalayan Region. <i>Forests</i> , 2021, 12, 1726.	0.9	3
1278	Genotypic variation of plant biomass under nitrogen deficiency is positively correlated with conservative economic traits in wheat. <i>Journal of Experimental Botany</i> , 2022, 73, 2175-2189.	2.4	3
1279	Contrasting successional stages lead to intra- and interspecific differences in leaf functional traits and herbivory levels in a Mexican tropical dry forest. <i>European Journal of Forest Research</i> , 2022, 141, 225-239.	1.1	3
1280	Small-scale drivers on plant and ant diversity in a grassland habitat through a multifaceted approach. <i>PeerJ</i> , 2021, 9, e12517.	0.9	5
1281	Large variation in availability of Maya food plant sources during ancient droughts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	16
1282	Drivers of <i>Acacia</i> and <i>Eucalyptus</i> growth rate differ in strength and direction in restoration plantings across Australia. <i>Ecological Applications</i> , 2022, , e2636.	1.8	2
1283	<i>Salicornia europaea</i> L. Functional Traits Indicate Its Optimum Growth. <i>Plants</i> , 2022, 11, 1051.	1.6	17
1285	Leaf trait network architecture shifts with species richness and climate across forests at continental scale. <i>Ecology Letters</i> , 2022, 25, 1442-1457.	3.0	29
1322	Functional diversity dominates positive species mixture effects on ecosystem multifunctionality in subtropical plantations. <i>Forest Ecosystems</i> , 2022, 9, 100039.	1.3	8
1323	Rethinking Invasibility. , 2022, , 370-404.		0
1324	Nurse-target functional match explains plant facilitation strength. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 292, 152061.	0.6	5
1325	Community assembly during vegetation succession after metal mining is driven by multiple processes with temporal variation. <i>Ecology and Evolution</i> , 2022, 12, e8882.	0.8	8
1326	Functional traits and responses to nutrient and mycorrhizal addition are inconsistently related to wetland plant species' coefficients of conservatism. <i>Wetlands Ecology and Management</i> , 2022, 30, 513-526.	0.7	2

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1327	Allometry of two columnar cacti in a tropical deciduous forest. <i>Revista Brasileira De Botanica</i> , 0, , 1.	0.5	1
1328	Functional traits and propagule pressure explain changes in the distribution and demography of non-native trees in Spain. <i>Journal of Vegetation Science</i> , 0, , .	1.1	0
1330	Effects of Waterbird Herbivory on Dominant Perennial Herb <i>Carex thunbergii</i> in Shengjin Lake. <i>Diversity</i> , 2022, 14, 331.	0.7	2
1331	Cold-season freeze frequency is a pervasive driver of subcontinental forest growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117464119.	3.3	16
1332	Can evolutionary history predict plant plastic responses to climate change?. <i>New Phytologist</i> , 2022, 235, 1260-1271.	3.5	14
1333	Forest loss and treeless matrices cause the functional impoverishment of sapling communities in old-growth forest patches across tropical regions. <i>Journal of Applied Ecology</i> , 2022, 59, 1897-1910.	1.9	3
1334	Geomorphological processes shape plant community traits in the Arctic. <i>Global Ecology and Biogeography</i> , 2022, 31, 1381-1398.	2.7	7
1335	Coordination between water uptake depth and the leaf economic spectrum in a Mediterranean shrubland. <i>Journal of Ecology</i> , 2022, 110, 1844-1856.	1.9	14
1336	Climate and land-use drive the functional composition of vascular plant assemblages across Norway. <i>Nordic Journal of Botany</i> , 2022, 2022, .	0.2	1
1337	Community leaf dry matter content predicts plant production in simple and diverse grassland. <i>Ecosphere</i> , 2022, 13, .	1.0	4
1338	Decoupled abiotic and biotic drivers of aboveground and topsoil organic carbon stocks in temperate forests. <i>Land Degradation and Development</i> , 2022, 33, 2464-2476.	1.8	3
1339	Leaf spectroscopy reveals divergent inter- and intra-species foliar trait covariation and trait-environment relationships across NEON domains. <i>New Phytologist</i> , 2022, 235, 923-938.	3.5	18
1340	Remote Sensing of Geomorphodiversity Linked to Biodiversity—Part III: Traits, Processes and Remote Sensing Characteristics. <i>Remote Sensing</i> , 2022, 14, 2279.	1.8	13
1341	Identifying typical and early warning species by the combination of functional-based diagnostic species and dark diversity. <i>Biodiversity and Conservation</i> , 2022, 31, 1735-1753.	1.2	6
1342	Variations in bark structural properties affect both water loss and carbon economics in neotropical savanna trees in the Cerrado region of Brazil. <i>Journal of Ecology</i> , 2022, 110, 1826-1843.	1.9	10
1343	Lowland plant arrival in alpine ecosystems facilitates a decrease in soil carbon content under experimental climate warming. <i>eLife</i> , 2022, 11, .	2.8	4
1344	Drought resilience of conifer species is driven by leaf lifespan but not by hydraulic traits. <i>New Phytologist</i> , 2022, 235, 978-992.	3.5	17
1345	Community assembly along climatic gradient: Contrasting pattern between- and within- species. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2022, 56, 125675.	1.1	12

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1346	Correlated evolution of seed mass and genome size varies among life forms in flowering plants. <i>Seed Science Research</i> , 2022, 32, 46-52.	0.8	12
1347	Functional susceptibility of tropical forests to climate change. <i>Nature Ecology and Evolution</i> , 2022, 6, 878-889.	3.4	8
1348	Seed Size Variation of Trees and Lianas in a Tropical Forest of Southeast Asia: Allometry, Phylogeny, and Seed Trait - Plant Functional Trait Relationships. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	4
1349	Biodiversity-based cropping systems: A long-term perspective is necessary. <i>Science of the Total Environment</i> , 2022, 838, 156022.	3.9	5
1350	Terrestrial forcing of marine biodiversification. <i>Scientific Reports</i> , 2022, 12, 8309.	1.6	6
1352	Root traits catching up. <i>New Phytologist</i> , 2022, 235, 821-823.	3.5	1
1353	Improving landscape-scale productivity estimates by integrating trait-based models and remotely-sensed foliar trait and canopy structural data. <i>Ecography</i> , 2022, 2022, .	2.1	4
1354	A Perspective on Plant Phenomics: Coupling Deep Learning and Near-Infrared Spectroscopy. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	5
1355	Functional identity of leaf dry matter content regulates community stability in the northern Tibetan grasslands. <i>Science of the Total Environment</i> , 2022, 838, 156150.	3.9	4
1356	Intraspecific trait changes in response to drought lead to trait convergence between—but not within—species. <i>Functional Ecology</i> , 2022, 36, 1900-1911.	1.7	6
1357	Mapping functional tree regions of the Atlantic Forest: how much is left and opportunities for conservation. <i>Environmental Conservation</i> , 2022, 49, 164-171.	0.7	1
1358	Graminoids vary in functional traits, carbon dioxide and methane fluxes in a restored peatland: Implications for modelling carbon storage. <i>Journal of Ecology</i> , 2022, 110, 2105-2117.	1.9	3
1359	Palm Species Traits Determine Soil Nutrient Effects on Seedling Performance. <i>Frontiers in Forests and Global Change</i> , 2022, 5, .	1.0	1
1360	Plant N economics and the extended phenotype: Integrating the functional traits of plants and associated soil biota into plant-plant interactions. <i>Journal of Ecology</i> , 2022, 110, 2015-2032.	1.9	5
1361	Elevational diversity patterns of rodents differ between wet and arid mountains. <i>Global Ecology and Biogeography</i> , 2022, 31, 1726-1740.	2.7	3
1362	Island area and historical geomorphological dynamics shape multifaceted diversity of barrier island floras. <i>Ecography</i> , 2022, 2022, .	2.1	1
1363	Unravelling Trait-Environment Relationships at Local and Regional Scales in Temperate Forests. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	2
1364	Direct and plant community mediated effects of management intensity on annual nutrient leaching risk in temperate grasslands. <i>Nutrient Cycling in Agroecosystems</i> , 2022, 123, 83-104.	1.1	6

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1365	A new functional ecological model reveals the nature of early plant management in southwest Asia. <i>Nature Plants</i> , 2022, 8, 623-634.	4.7	11
1367	Dynamics of a mountain grassland: Environment predicts long-term trends, while species' traits predict short-term fluctuations. <i>Journal of Vegetation Science</i> , 2022, 33, .	1.1	2
1368	Functional Richness and Resilience in Coral Reef Communities. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	2
1369	AnimalTraits - a curated animal trait database for body mass, metabolic rate and brain size. <i>Scientific Data</i> , 2022, 9, .	2.4	15
1370	Faunal communities mediate the effects of plant richness, drought, and invasion on ecosystem multifunctional stability. <i>Communications Biology</i> , 2022, 5, .	2.0	2
1371	Towards a 'periodic table' of abiotic stress tolerance strategies of woody plants. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 292, 152089.	0.6	4
1373	Functional Traits of <i>Quercus aliena</i> var. <i>acuteserrata</i> in Qinling Huangguan Forest Dynamics Plot: The Relative Importance of Plant Size and Habitat. <i>Forests</i> , 2022, 13, 899.	0.9	2
1374	Incorporating belowground traits: avenues towards a whole-tree perspective on performance. <i>Oikos</i> , 2023, 2023, .	1.2	12
1375	Whole-Plant Seedling Functional Traits Suggest Lianas Also Support 'Fast-Slow' Plant Economics Spectrum. <i>Forests</i> , 2022, 13, 990.	0.9	2
1376	The response of two nutrient acquisition strategies: root traits and leaf nutrient resorption and their relationships to long-term mowing in a temperate steppe. <i>Plant and Soil</i> , 0, , .	1.8	1
1377	Life stages and habitat types alter the relationships of tree growth with leaf traits and soils in an old-growth temperate forest. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 293, 152104.	0.6	2
1378	Light Regimes Regulate Leaf and Twigs Traits of <i>Camellia oleifera</i> (Abel) in <i>Pinus massoniana</i> Plantation Understory. <i>Forests</i> , 2022, 13, 918.	0.9	4
1379	Climate and hydraulic traits interact to set thresholds for liana viability. <i>Nature Communications</i> , 2022, 13, .	5.8	3
1380	The contribution of mutualistic interactions to functional and phylogenetic diversity. <i>Trends in Ecology and Evolution</i> , 2022, 37, 768-776.	4.2	12
1381	Ecological Strategy Spectra for Communities of Different Successional Stages in the Tropical Lowland Rainforest of Hainan Island. <i>Forests</i> , 2022, 13, 973.	0.9	2
1383	The above-'belowground functional space of tropical dry forest communities responds to local hydric habitats. <i>Biotropica</i> , 0, , .	0.8	3
1384	On the link between tree size and ecosystem carbon sequestration capacity across continental forests. <i>Ecosphere</i> , 2022, 13, .	1.0	3
1385	Functional imbalance not functional evenness is the third component of community structure. <i>Ecological Indicators</i> , 2022, 140, 109035.	2.6	6

#	ARTICLE	IF	CITATIONS
1386	Variation of plant CSR strategies across a precipitation gradient in the alpine grasslands on the northern Tibet Plateau. <i>Science of the Total Environment</i> , 2022, 838, 156512.	3.9	16
1387	Functional Variability in Specific Root Respiration Translates to Autotrophic Differences in Soil Respiration in a Temperate Deciduous Forest. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1388	Biodiversity mediates ecosystem sensitivity to climate variability. <i>Communications Biology</i> , 2022, 5, .	2.0	8
1390	Functional traits influence patterns in vegetative and reproductive plant phenology â€” a multiâ€”botanical garden study. <i>New Phytologist</i> , 2022, 235, 2199-2210.	3.5	13
1391	Speciesâ€”genetic diversity correlations depend on ecological similarity between multiple moorland plant species. <i>Oikos</i> , 0, , .	1.2	0
1392	Shrub Expansion is Mainly Affected by Climate-Dominated Functional Traits in Alpine Meadow. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
1393	Ecological strategies of (pl)ants: Towards a worldâ€”wide worker economic spectrum for ants. <i>Functional Ecology</i> , 2023, 37, 13-25.	1.7	9
1394	Body size determines multitrophic soil microbiota community assembly associated with soil and plant attributes in a tropical seasonal rainforest. <i>Molecular Ecology</i> , 2023, 32, 6294-6303.	2.0	6
1395	Pollenâ€”based reconstruction reveals the impact of the onset of agriculture on plant functional trait composition. <i>Ecology Letters</i> , 2022, 25, 1937-1951.	3.0	7
1396	Tree Species Diversity and Stand Attributes Differently Influence the Ecosystem Functions of <i>Pinus yunnanensis</i> Secondary Forests under the Climate Context. <i>Sustainability</i> , 2022, 14, 8332.	1.6	1
1397	Plant-litter-soil feedbacks in common grass species are slightly negative and only marginally modified by litter exposed to insect herbivory. <i>Plant and Soil</i> , 2023, 485, 227-244.	1.8	3
1398	Impact of Selected Environmental Factors on Variation in Leaf and Branch Traits on Endangered Karst Woody Plants of Southwest China. <i>Forests</i> , 2022, 13, 1080.	0.9	8
1399	Phenotypic plasticity and the leaf economics spectrum: plasticity is positively associated with specific leaf area. <i>Oikos</i> , 2022, 2022, .	1.2	9
1401	Plant functional traits affect competitive vigor of pasture grasses during drought and following recovery. <i>Ecosphere</i> , 2022, 13, .	1.0	4
1402	Increases in vein length compensate for leaf area lost to lobing in grapevine. <i>American Journal of Botany</i> , 2022, 109, 1063-1073.	0.8	5
1403	Leaf Economic and Hydraulic Traits Signal Disparate Climate Adaptation Patterns in Two Co-Occurring Woodland Eucalypts. <i>Plants</i> , 2022, 11, 1846.	1.6	6
1404	Trait coordination in boreal mosses reveals a bryophyte economics spectrum. <i>Journal of Ecology</i> , 2022, 110, 2493-2506.	1.9	4
1405	Floral and reproductive traits are an independent dimension within the plant economic spectrum of temperate central Europe. <i>New Phytologist</i> , 2022, 236, 1964-1975.	3.5	15

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1406	Size matters for linking traits to ecosystem multifunctionality. <i>Trends in Ecology and Evolution</i> , 2022, 37, 803-813.	4.2	5
1407	Genomic regions associate with major axes of variation driven by gas exchange and leaf construction traits in cultivated sunflower ( <i>Helianthus annuus</i> L.). <i>Plant Journal</i> , 2022, 111, 1425-1438.	2.8	4
1408	Relationships between topographic variation and plant functional trait distribution across different biomes. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 293, 152116.	0.6	2
1409	Variation in leaf traits among and within dominant shrubs of contrasting Pine Barrens habitats. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 293, 152109.	0.6	1
1410	Climatic niche pre-adaptation facilitated island colonization followed by budding speciation in the Madeiran ivy ( <i>Hedera maderensis</i> , Araliaceae). <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
1411	Functional trait space and redundancy of plant communities decrease toward cold temperature at high altitudes in Southwest China. <i>Science China Life Sciences</i> , 2023, 66, 376-384.	2.3	3
1412	Characterising functional strategies and trait space of freshwater macroinvertebrates. <i>Scientific Reports</i> , 2022, 12, .	1.6	9
1413	Sources and consequences of mismatch between leaf disc and whole-leaf leaf mass per area (LMA). <i>American Journal of Botany</i> , 2022, 109, 1242-1250.	0.8	3
1414	Ruderals naturalize, competitors invade: Varying roles of plant adaptive strategies along the invasion continuum. <i>Functional Ecology</i> , 2022, 36, 2469-2479.	1.7	11
1415	What Factors Control the Crude Protein Content Variation of a Basaltic <i>Campos</i> Native Grassland of South America?. <i>Agronomy</i> , 2022, 12, 1756.	1.3	5
1416	The functional structure of plant communities drives soil functioning via changes in soil abiotic properties. <i>Ecology</i> , 2022, 103, .	1.5	3
1417	Edge tree functional traits and their association with edaphic factors in seasonally dry forests in northern Thailand. <i>IForest</i> , 2022, 15, 273-280.	0.5	1
1418	Seed Traits Research Is on the Rise: A Bibliometric Analysis from 1991–2020. <i>Plants</i> , 2022, 11, 2006.	1.6	3
1420	Effects of land use and climate change on functional and phylogenetic diversity of terrestrial vertebrates in a Himalayan biodiversity hotspot. <i>Diversity and Distributions</i> , 2022, 28, 2931-2943.	1.9	5
1421	Solving the grand challenge of phenotypic integration: allometry across scales. <i>Genetica</i> , 2022, 150, 161-169.	0.5	4
1422	Plant spectra as integrative measures of plant phenotypes. <i>Journal of Ecology</i> , 2022, 110, 2536-2554.	1.9	16
1424	Seedling age of <i>Abies georgei</i> var. <i>smithii</i> reveals functional trait coordination in high-altitude habitats in southeast tibet. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	3
1425	How seeds and growth dynamics influence plant size and yield: Integrating trait relationships into ontogeny. <i>Journal of Ecology</i> , 2022, 110, 2684-2700.	1.9	4



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1426	Can metabolic traits explain animal community assembly and functioning?. <i>Biological Reviews</i> , 2023, 98, 1-18.	4.7	9
1427	Functional traits and stand factors as strong drivers of radial growth response to hotter drought in a temperate forest of North China. <i>European Journal of Forest Research</i> , 2022, 141, 927-938.	1.1	4
1428	Radial and longitudinal density variations in <i>Abies cephalonica</i> and <i>Pinus halepensis</i> . <i>Journal of Forestry Research</i> , 0, , .	1.7	0
1429	Leveraging functional traits of cover crops to coordinate crop productivity and soil health. <i>Journal of Applied Ecology</i> , 2022, 59, 2627-2641.	1.9	17
1430	Rapid transgenerational adaptation in response to intercropping reduces competition. <i>ELife</i> , 0, 11, .	2.8	11
1431	Environment shapes tree community traits in China's forests. <i>Journal of Vegetation Science</i> , 0, , .	1.1	0
1432	Global and regional erosion of mammalian functional diversity across the diel cycle. <i>Science Advances</i> , 2022, 8, .	4.7	7
1433	Niche differentiation along multiple functional trait dimensions contributes to high local diversity of Euphorbiaceae in a tropical tree assemblage. <i>Journal of Ecology</i> , 2022, 110, 2731-2744.	1.9	4
1434	Assisted restoration interventions drive functional recovery of tropical wet forest tree communities. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	1.0	4
1435	The spatiotemporal distribution of pollen traits related to dispersal and desiccation tolerance in Canarian laurel forest. <i>Journal of Vegetation Science</i> , 2022, 33, .	1.1	2
1437	CSR Ecological Strategies and Functional Traits of the Co-Existing Species along the Succession in the Tropical Lowland Rain Forest. <i>Forests</i> , 2022, 13, 1272.	0.9	4
1438	Elevational trends in photosynthetic capacity and trait relationships of subtropical montane understorey bryophytes. <i>Ecological Indicators</i> , 2022, 142, 109251.	2.6	4
1439	Similar structural complexity of phenols in plant morphotypes with contrasting soluble phenol concentration and richness in arid rangelands of Patagonia. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 295, 152134.	0.6	1
1440	Biostimulants as forest protection agents: Do these products have an effect against abiotic stress on a forest native species? Aspects to elucidate their action mechanisms. <i>Forest Ecology and Management</i> , 2022, 522, 120446.	1.4	5
1441	Variation in the water use and gas exchange of two Brazilian tropical dry forest phytophysiognomies in response to successional stage. <i>Journal of Arid Environments</i> , 2022, 206, 104831.	1.2	1
1442	Linking the network topology of plant traits with community structure, functioning, and adaptive strategies of submerged macrophytes. <i>Science of the Total Environment</i> , 2022, 850, 158092.	3.9	8
1443	Effect of the elevated ozone on greening tree species of urban: Alterations in C-N-P stoichiometry and nutrient stock allocation to leaves and fine roots. <i>Urban Forestry and Urban Greening</i> , 2022, 76, 127735.	2.3	2
1444	Shifts in plant ecological strategies in remnant forest patches along urbanization gradients. <i>Forest Ecology and Management</i> , 2022, 524, 120540.	1.4	7

#	ARTICLE	IF	CITATIONS
1445	Dynamic Energy Budget models: fertile ground for understanding resource allocation in plants in a changing world. , 2022, 10, .		4
1446	Early Differentiation of the Phenotypic Space and Performance of <i>Juniperus thurifera</i> Across Woodland-Expanding Areas. <i>Ecosystems</i> , 2023, 26, 643-660.	1.6	0
1447	A protocol for reproducible functional diversity analyses. <i>Ecography</i> , 2022, 2022, .	2.1	26
1448	Disentangling the effects of biomass and productivity in plant competition. <i>Ecology</i> , 2023, 104, .	1.5	6
1449	Diversity in habit expands the environmental niche of <i>Ziziphus</i> (Rhamnaceae). <i>Biotropica</i> , 2022, 54, 1285-1299.	0.8	0
1450	Liana functional assembly along the hydrological gradient in Central Amazonia. <i>Oecologia</i> , 2022, 200, 183-197.	0.9	3
1452	Predicting ecosystem productivity based on plant community traits. <i>Trends in Plant Science</i> , 2023, 28, 43-53.	4.3	19
1453	Seasonal Water Uptake Patterns of Different Plant Functional Types in the Monsoon Evergreen Broad-Leaved Forest of Southern China. <i>Forests</i> , 2022, 13, 1527.	0.9	0
1454	Patterns of leaf trait variation underlie ecological differences among sympatric tree species of <i>Damburneya</i> in a tropical rainforest. <i>American Journal of Botany</i> , 2022, 109, 1394-1409.	0.8	3
1455	The ecological implications of interplant drought cuing. <i>Journal of Ecology</i> , 2023, 111, 23-32.	1.9	4
1456	Relating Trait Variation to Species and Community Productivity in Contrasting Oro-Mediterranean Pastures: A 7-Years Study in the Pollino National Park (S-Italy). <i>Plants</i> , 2022, 11, 2471.	1.6	1
1458	The likely extinction of hundreds of palm species threatens their contributions to people and ecosystems. <i>Nature Ecology and Evolution</i> , 2022, 6, 1710-1722.	3.4	9
1459	Invasive woody legumes: Climatic range shifts and their relationships to functional traits. <i>Global Ecology and Biogeography</i> , 2022, 31, 2397-2409.	2.7	2
1463	The influence of biofertilizers on Leaf Economics Spectrum traits in an herbaceous crop. <i>Journal of Experimental Botany</i> , 0, , .	2.4	0
1464	Coordination of leaf functional traits under climatic warming in an arid ecosystem. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	4
1465	Intraspecific trait variability is a key feature underlying high Arctic plant community resistance to climate warming. <i>Ecological Monographs</i> , 2023, 93, .	2.4	8
1466	The fern economics spectrum is unaffected by the environment. <i>Plant, Cell and Environment</i> , 2022, 45, 3205-3218.	2.8	8
1467	Microclimate relationships of intraspecific trait variation in subâ€Arctic plants. <i>Oikos</i> , 2022, 2022, .	1.2	6

#	ARTICLE	IF	CITATIONS
1468	Size- and environment-driven seedling survival and growth are mediated by leaf functional traits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	8
1469	Root traits rather than functional diversity of soil microorganisms respond to drought and plant species composition in Mediterranean shrubland species. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	1.0	0
1470	Trait hypervolumes based on natural history collections can detect ecological strategies that are distinct to biogeographic regions. <i>Journal of Ecology</i> , 2023, 111, 314-326.	1.9	3
1471	Multispecies approaches to status assessments in support of endangered species classifications. <i>Conservation Science and Practice</i> , 2022, 4, .	0.9	0
1472	Functional traits above and below ground allow species with distinct ecological strategies to coexist in the largest seasonally dry tropical forest in the Americas. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	1.0	3
1473	Functional rarity of plants in German hay meadows – Patterns on the species level and mismatches with community species richness. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	2
1474	Reference bioimaging to assess the phenotypic trait diversity of bryophytes within the family Scapaniaceae. <i>Scientific Data</i> , 2022, 9, .	2.4	1
1475	Shifts in Community Vegetative Organs and Their Dissimilar Trade-Off Patterns in a Tropical Coastal Secondary Forest, Hainan Island, Southern China. <i>Diversity</i> , 2022, 14, 823.	0.7	5
1476	Seed Weight and Trade-Offs: An Experiment in False Rhodes Grasses under Different Aridity Conditions. <i>Plants</i> , 2022, 11, 2887.	1.6	0
1478	The relationship between the main leaf traits and photosynthetic physiological characteristics of <i>Phragmites australis</i> under different habitats of a salt marsh in Qinwangchuan, China. <i>AoB PLANTS</i> , 2022, 14, .	1.2	3
1479	Widespread variation in functional trait–vital rate relationships in tropical tree seedlings across a precipitation and soil phosphorus gradient. <i>Functional Ecology</i> , 0, .	1.7	0
1480	Intraspecific Leaf Trait Variation across and within Five Common Wine Grape Varieties. <i>Plants</i> , 2022, 11, 2792.	1.6	1
1481	Afterlife effect of cover crops on soil nematode food web: Implications from the plant ecological strategy. <i>Biology and Fertility of Soils</i> , 2022, 58, 937-947.	2.3	1
1482	Why can't we predict traits from the environment?. <i>New Phytologist</i> , 2023, 237, 1998-2004.	3.5	29
1483	Different ways to success: Plant community trajectories over time and a soil moisture gradient in restored wetlands. <i>Journal of Applied Ecology</i> , 2023, 60, 29-40.	1.9	5
1484	Spatial Pattern and Key Environmental Determinants of Vegetation in Sand Mining and Non-Mining Sites along the Panjkora River Basin. <i>Land</i> , 2022, 11, 1801.	1.2	4
1485	Citizen science plant observations encode global trait patterns. <i>Nature Ecology and Evolution</i> , 2022, 6, 1850-1859.	3.4	15
1488	Climate and forest loss interactively restructure trait composition across a human–modified landscape. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	0

#	ARTICLE	IF	CITATIONS
1489	Environmental drivers of taxonomic and functional turnover of tree assemblages in Europe. <i>Oikos</i> , 0, , .	1.2	0
1490	Functional traits mediate individualistic speciesâ€environment distributions at broad spatial scales while fineâ€scale speciesâ€™ associations remain unpredictable. <i>American Journal of Botany</i> , 0, , .	0.8	4
1491	Small rainfall changes drive substantial changes in plant coexistence. <i>Nature</i> , 2022, 611, 507-511.	13.7	21
1492	Effects of Precipitation Change and Nitrogen and Phosphorus Additions on Traits and Abundance of <i>Potentilla anserina</i> in an Alpine Meadow. <i>Atmosphere</i> , 2022, 13, 1820.	1.0	3
1493	Testing the concept of edaphism for the quartz island flora of the Knersvlakte, South Africa. <i>South African Journal of Botany</i> , 2022, 151, 555-564.	1.2	2
1494	Community biomass is driven by dominants and their characteristics â€ The insight from a field biodiversity experiment with realistic species loss scenario. <i>Journal of Ecology</i> , 2023, 111, 240-250.	1.9	6
1496	Changes in root chemical diversity along an elevation gradient of Changbai Mountain, China. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
1497	Experimental evidence that leaf litter decomposability and flammability are decoupled across gymnosperm species. <i>Journal of Ecology</i> , 2023, 111, 761-772.	1.9	2
1498	ETIBâ€: An Equilibrium Theory of Island Biogeography for plant traits. <i>Journal of Biogeography</i> , 2023, 50, 223-234.	1.4	9
1499	Looking to the past to understand the future: linking evolutionary modes of response with functional and life history traits in variable environments. <i>New Phytologist</i> , 2023, 237, 751-757.	3.5	3
1500	Understanding global and regional patterns of termite diversity and regional functional traits. <i>IScience</i> , 2022, 25, 105538.	1.9	3
1501	How detritivores, plant traits and time modulate coupling of leaf versus woody litter decomposition rates across species. <i>Journal of Ecology</i> , 2023, 111, 227-239.	1.9	3
1502	Suppression of leaf growth and photosynthetic capacity as an acclimation strategy to nitrogen deficiency in a nitrogen-sensitive and shade-tolerant plant <i>Panax notoginseng</i> . <i>Journal of Plant Interactions</i> , 2022, 17, 980-990.	1.0	3
1503	Linkages between <i>Sphagnum</i> metabolites and peatland $CO_2$ uptake are sensitive to seasonality in warming trends. <i>New Phytologist</i> , 2023, 237, 1164-1178.	3.5	3
1504	Ecoâ€physiological and morphological traits explain alpine plant speciesâ€™ response to warming. <i>Functional Ecology</i> , 0, , .	1.7	2
1505	Novel Leaf Area Measurement Mobile Application for Alfalfa in the Field. <i>Black Sea Journal of Engineering and Science</i> , 0, , .	0.3	0
1506	The leaf anatomical trade-offs associated with plant ecological strategy variation. <i>Plant Ecology</i> , 2022, 223, 1233-1246.	0.7	4
1507	Contrasting soilâ€and canopyâ€nurse effects in metalliferous systems may be explained by dominant plant functional strategies. <i>Journal of Applied Ecology</i> , 2023, 60, 278-290.	1.9	4

#	ARTICLE	IF	CITATIONS
1508	Lianas have a faster resource acquisition strategy than trees: Below-ground evidence from root traits, phylogeny and the root economics space. <i>Journal of Ecology</i> , 2023, 111, 436-448.	1.9	4
1509	Functional traits of a plant species fingerprint ecosystem productivity along broad elevational gradients in the Himalayas. <i>Functional Ecology</i> , 2023, 37, 383-394.	1.7	10
1510	Genetic constraints on temporal variation of airborne reflectance spectra and their uncertainties over a temperate forest. <i>Remote Sensing of Environment</i> , 2023, 284, 113338.	4.6	8
1511	The assessment and management of plant invasions with Unmanned Aerial Vehicles. The <i>Yucca gloriosa</i> case, Italy. <i>Regional Studies in Marine Science</i> , 2023, 57, 102759.	0.4	1
1512	Long-term trends in functional crop diversity across Swedish farms. <i>Agriculture, Ecosystems and Environment</i> , 2023, 343, 108269.	2.5	6
1513	Economical energy allocation for the landward invasion of <i>Spartina alterniflora</i> in estuaries in the Yellow River Delta, east China. <i>Ecological Indicators</i> , 2023, 146, 109770.	2.6	2
1514	Drivers of species-specific contributions to the total live aboveground plant biomass in Central European semi-natural hay grasslands. <i>Ecological Indicators</i> , 2023, 146, 109740.	2.6	0
1515	Plant-soil feedbacks in <i>Hydrocotyle vulgaris</i> : Genotypic differences and relations to functional traits. <i>Ecological Indicators</i> , 2023, 146, 109766.	2.6	3
1516	Adaptation to Disturbance. <i>Landscape Series</i> , 2022, , 117-139.	0.1	0
1517	Grasslands. <i>Landscape Series</i> , 2022, , 349-374.	0.1	0
1518	Water management infrastructure alters plant species composition, functional diversity and soil condition in a livestock-impacted mosaic of wetlands. <i>Applied Vegetation Science</i> , 2022, 25, .	0.9	2
1520	Ten (mostly) simple rules to future-proof trait data in ecological and evolutionary sciences. <i>Methods in Ecology and Evolution</i> , 2023, 14, 444-458.	2.2	8
1521	Bird extinctions threaten to cause disproportionate reductions of functional diversity and uniqueness. <i>Functional Ecology</i> , 2023, 37, 162-175.	1.7	10
1522	Intraspecific Functional Variability and Functional Changes Along Environmental Gradients Associated to Mangrove Forest Zonation in West-Central Mexico. <i>Wetlands</i> , 2022, 42, .	0.7	0
1523	Mulching in lowland hay meadows drives an adaptive convergence of above- and below-ground traits reducing plasticity and improving biomass: A possible tool for enhancing phytoremediation. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
1525	How Can Climate Change Limit the Distribution of Cooperative Pseudoscorpions in Brazil?. <i>Neotropical Entomology</i> , 0, , .	0.5	0
1526	Grazing and ecosystem service delivery in global drylands. <i>Science</i> , 2022, 378, 915-920.	6.0	81
1529	How to improve scaling from traits to ecosystem processes. <i>Trends in Ecology and Evolution</i> , 2023, 38, 228-237.	4.2	22

#	ARTICLE	IF	CITATIONS
1530	Why do plants silicify?. Trends in Ecology and Evolution, 2023, 38, 275-288.	4.2	17
1531	The functional trait distinctiveness of plant species is scale dependent. Ecography, 2023, 2023, .	2.1	8
1532	Laurocerasus officinalis M. Roem Taksonunda YÄ¼kseklik ve YaÄ±Ä± Gradiyenti Boyunca BazÄ± Yaprak Ä-zelliklerinin Äncelenmesi. Journal of Natural and Applied Sciences, 2022, 26, 355-365.	0.1	0
1533	Coordination of economics spectra in leaf, stem and root within the genus <i>Artemisia</i> along a large environmental gradient in China. Global Ecology and Biogeography, 2023, 32, 324-338.	2.7	1
1534	Biomass and nitrogen content of petiole and rachis predict leaflet trait variation in compound pinnate leaves of plants. Flora: Morphology, Distribution, Functional Ecology of Plants, 2023, 298, 152207.	0.6	1
1535	Consistent responses of the C:N:P stoichiometry of green leaves and fine roots to N addition in poplar plantations in eastern coastal China. Plant and Soil, 2023, 485, 377-394.	1.8	4
1536	Spectral mixture analysis of AVIRIS-NG data for grouping plant functional types. Advances in Space Research, 2024, 73, 1439-1448.	1.2	1
1537	Effects of dissolved inorganic level and sediment types on the plant traits of Myriophyllum spicatum L. and its exudates input to sediment. Aquatic Sciences, 2023, 85, .	0.6	0
1538	Towards an action plan for characterizing food plant diversity. Nature Plants, 0, , .	4.7	0
1539	The global spectrum of plant form and function: enhanced species-level trait dataset. Scientific Data, 2022, 9, .	2.4	14
1541	Interspecific and intraspecific trait variability differentially affect communityâ-weighted trait responses to and recovery from longâ-term drought. Functional Ecology, 2023, 37, 504-512.	1.7	3
1542	The China plant trait database version 2. Scientific Data, 2022, 9, .	2.4	3
1543	Understanding and predicting harmful algal blooms in a changing climate: A traitâbased framework. Limnology and Oceanography Letters, 2023, 8, 229-246.	1.6	6
1544	Fluctuations in resource availability shape the competitive balance among nonânative plant species. Ecological Applications, 2024, 34, .	1.8	4
1545	Nearby large islands diminish biodiversity of the focal island by a negative target effect. Journal of Animal Ecology, 0, , .	1.3	2
1546	Specific leaf area is lower on ultramafic than on neighbouring non-ultramafic soils. Plant Ecology and Diversity, 2022, 15, 243-252.	1.0	4
1547	A bitter future for coffee production? Physiological traits associated with yield revealâhigh vulnerability to hydraulic failure in <i>Coffea canephora</i>. Plant, Cell and Environment, 0, , .	2.8	0
1548	Exploring the Best-Matching Plant Traits and Environmental Factors for Vegetation Indices in Estimates of Global Gross Primary Productivity. Remote Sensing, 2022, 14, 6316.	1.8	4

#	ARTICLE	IF	CITATIONS
1551	Woody plant adaptations to multiple abiotic stressors: Where are we?. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2023, 299, 152221.	0.6	6
1552	Observed and dark diversity dynamics over millennial time scales: fast life-history traits linked to expansion lags of plants in northern Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2023, 290, .	1.2	4
1553	Animal functional traits: Towards a trait-based ecology for whole ecosystems. <i>Functional Ecology</i> , 2023, 37, 4-12.	1.7	15
1555	Changing plant functional diversity over the last 12,000 years provides perspectives for tracking future changes in vegetation communities. <i>Nature Ecology and Evolution</i> , 0, , .	3.4	1
1556	TiP-Leaf: a dataset of leaf traits across vegetation types on the Tibetan Plateau. <i>Earth System Science Data</i> , 2023, 15, 25-39.	3.7	2
1557	Vessels in a <i>Rhododendron ferrugineum</i> (L.) population do not trace temperature anymore at the alpine shrubline. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
1558	Post-fire peatland recovery by peat moss inoculation depends on water table depth. <i>Journal of Applied Ecology</i> , 2023, 60, 673-684.	1.9	3
1559	Mechanisms behind elevational plant species richness patterns revealed by a trait-based approach. <i>Journal of Vegetation Science</i> , 2023, 34, .	1.1	1
1561	Irrigated urban trees exhibit greater functional trait plasticity compared to natural stands. <i>Biology Letters</i> , 2023, 19, .	1.0	5
1562	Exotic species explain plant functional trait differences between seed mixes, restored and reference prairies. <i>Applied Vegetation Science</i> , 2023, 26, .	0.9	1
1563	A trait-based approach to determining principles of plant biogeography. <i>American Journal of Botany</i> , 2023, 110, .	0.8	8
1565	Key axes of global progress towards the Sustainable Development Goals. <i>Journal of Cleaner Production</i> , 2023, 385, 135767.	4.6	16
1567	Plant trait-based life strategies of overlapping species vary in different succession stages of subtropical forests, Eastern China. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	3
1568	Global change and plant-ecosystem functioning in freshwaters. <i>Trends in Plant Science</i> , 2023, 28, 646-660.	4.3	6
1569	Site dependence of local variations in taxonomic and functional diversity of plant communities in semi-natural dry grasslands. <i>Plant Ecology</i> , 2023, 224, 95-111.	0.7	2
1570	A spatial fingerprint of land-water linkage of biodiversity uncovered by remote sensing and environmental DNA. <i>Science of the Total Environment</i> , 2023, 867, 161365.	3.9	11
1571	Taxonomic, functional, and phylogenetic diversity of communities hosting <i>Ionopsidium savianum</i> (Brassicaceae) growing on serpentine and limestone substrates. <i>Plant Sociology</i> , 2022, 59, 39-50.	0.9	2
1574	Evolvability and trait function predict phenotypic divergence of plant populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	18

#	ARTICLE	IF	CITATIONS
1575	Species richness captures plant functional and phylogenetic diversity variations along different ecosystems on the hillsides of Damavand Mountain (Iran). <i>Arabian Journal of Geosciences</i> , 2023, 16, .	0.6	0
1576	Exploring the potential of transmittance vegetation indices for leaf functional traits retrieval. <i>GIScience and Remote Sensing</i> , 2023, 60, .	2.4	2
1577	Demographic trade-offs and functional shifts in a hurricane-impacted tropical forest. <i>Annals of Botany</i> , 2023, 131, 1051-1060.	1.4	2
1578	Inference of taxonomic relationships between <i>Rhododendron ferrugineum</i> and <i>R.</i> <i>myrtifolium</i> (Ericaceae) from leaf and fruit morphologies. <i>Botanical Journal of the Linnean Society</i> , 0, .	0.8	1
1579	Island plant functional syndromes and competition with invasive species. <i>Journal of Biogeography</i> , 2023, 50, 641-653.	1.4	7
1580	Phenotypic evolution of agricultural crops. <i>Functional Ecology</i> , 2023, 37, 976-988.	1.7	5
1581	Tropical shrubs living in an extreme environment show convergent ecological strategies but divergent ecophysiological strategies. <i>Annals of Botany</i> , 2023, 131, 491-502.	1.4	1
1582	Leaf economics fundamentals explained by optimality principles. <i>Science Advances</i> , 2023, 9, .	4.7	14
1583	Linking rhizosphere soil microbial activity and plant resource acquisition strategy. <i>Journal of Ecology</i> , 2023, 111, 875-888.	1.9	10
1584	Ring- and diffuse-porous tree species from a cold temperate forest diverge in stem hydraulic traits, leaf photosynthetic traits, growth rate and altitudinal distribution. <i>Tree Physiology</i> , 2023, 43, 722-736.	1.4	5
1585	Divergent coupling mechanism of precipitation on plant community multifunction across alpine grassland on the Tibetan Plateau. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
1586	Differences in leaf photoprotection strategies of tree species at different successional stages in subtropical forests under seasonal climate change and their relationship to construction cost strategies. <i>Environmental and Experimental Botany</i> , 2023, 207, 105230.	2.0	0
1589	An integrated leaf trait analysis of two Paleogene leaf floras. <i>PeerJ</i> , 0, 11, e15140.	0.9	3
1590	In search of a perfect trait set: A workflow presentation based on the conservation status assessment of Poland's dendroflora. <i>Ecology and Evolution</i> , 2023, 13, .	0.8	2
1591	Leaf traits divergence and correlations of woody plants among the three plant functional types on the eastern Qinghai-Tibetan Plateau, China. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
1592	Riparian forest response to extreme drought is influenced by climatic context and canopy structure. <i>Science of the Total Environment</i> , 2023, 881, 163128.	3.9	1
1593	Absence of consistent pattern between seasons or among species in effect of leaf size on insect herbivory. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2023, 302, 152257.	0.6	1
1594	Predicting intercrop competition, facilitation, and productivity from simple functional traits. <i>Field Crops Research</i> , 2023, 297, 108926.	2.3	4



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1595	Intraspecific trait variation and species turnover in successional tropical forests: assessing trait imputation for community-weighted means. <i>Plant Ecology</i> , 2023, 224, 463-477.	0.7	2
1596	Functional diversity patterns reveal different elevations shaping Himalayan amphibian assemblages, highlighting the importance of morphologically extreme individuals. <i>Ecological Indicators</i> , 2023, 150, 110260.	2.6	0
1597	Negative impact of slash-and-burn agriculture on the seed rain in a tropical dry forest. <i>Forest Ecology and Management</i> , 2023, 531, 120821.	1.4	7
1598	Islands in the mist: A systematic review of the coastal lomas of South America. <i>Journal of Arid Environments</i> , 2023, 211, 104942.	1.2	5
1599	Plant attributes interact with fungal pathogens and nitrogen addition to drive soil enzymatic activities and their temporal variation. <i>Functional Ecology</i> , 2023, 37, 564-575.	1.7	3
1600	Coordination of hydraulic and morphological traits across dominant grasses in eastern Australia. <i>Functional Ecology</i> , 2023, 37, 1126-1139.	1.7	2
1601	Tree crown economics. <i>Frontiers in Ecology and the Environment</i> , 2023, 21, 40-48.	1.9	2
1603	Effect of Slope Aspect on Plant Above- and Belowground Functional Traits of Alpine Meadow on the Qinghai-Tibet Plateau, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	1.3	2
1605	Long-term, large-scale experiment reveals the effects of seed limitation, climate, and anthropogenic disturbance on restoration of plant communities in a biodiversity hotspot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	5
1606	Intraspecific trait variation and changing life-history strategies explain host community disease risk along a temperature gradient. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2023, 378, .	1.8	4
1607	Changes in the functional diversity of modern bird species over the last million years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	5
1608	Propagation strategies of <i>Deyeuxia angustifolia</i> in heterogeneous habitats. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	1.1	0
1609	Incorporating pressure-volume traits into the leaf economics spectrum. <i>Ecology Letters</i> , 2023, 26, 549-562.	3.0	7
1611	A direct comparison of ecological theories for predicting the relationship between plant traits and growth. <i>Ecology</i> , 2023, 104, .	1.5	3
1612	Climate-trait relationships exhibit strong habitat specificity in plant communities across Europe. <i>Nature Communications</i> , 2023, 14, .	5.8	9
1613	Optimal plant water use strategies explain soil moisture variability. <i>Advances in Water Resources</i> , 2023, 173, 104405.	1.7	7
1614	High nitrogen addition induces functional trait divergence of plant community in a temperate desert steppe. <i>Plant and Soil</i> , 2023, 487, 133-156.	1.8	4
1615	Genomic Basis of Adaptation to a Novel Precipitation Regime. <i>Molecular Biology and Evolution</i> , 2023, 40, .	3.5	2

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1616	Height and crown allometries and their relationship with functional traits: An example from a subtropical wet forest. <i>Ecology and Evolution</i> , 2023, 13, .	0.8	0
1617	Editorial: Root functional traits: From fine root to community-level variation. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
1618	Niche theory for positive plant–soil feedbacks. <i>Ecology</i> , 2023, 104, .	1.5	3
1619	Soil properties and plant species can predict population size and potential introduction sites of the endangered orchid <i>Cypripedium calceolus</i> . <i>Plant and Soil</i> , 2023, 487, 467-483.	1.8	0
1620	Functional diversity and soil nutrients regulate the interannual variability in gross primary productivity. <i>Journal of Ecology</i> , 2023, 111, 1094-1106.	1.9	3
1621	Unraveling Amazon tree community assembly using Maximum Information Entropy: a quantitative analysis of tropical forest ecology. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
1622	Traits of dominant plant species drive normalized difference vegetation index in grasslands globally. <i>Global Ecology and Biogeography</i> , 2023, 32, 695-706.	2.7	5
1624	Leaf Functional Traits in Relation to Species Composition in an Arctic–Alpine Tundra Grassland. <i>Plants</i> , 2023, 12, 1001.	1.6	0
1625	Desiccation Avoidance and Hummock Formation Traits of rich fen Bryophytes. <i>Wetlands</i> , 2023, 43, .	0.7	1
1626	Local adaptation of switchgrass drives trait relations to yield and differential responses to climate and soil environments. <i>GCB Bioenergy</i> , 2023, 15, 680-696.	2.5	0
1627	Growth-defence trade-off in rice: fast-growing and acquisitive genotypes have lower expression of genes involved in immunity. <i>Journal of Experimental Botany</i> , 0, , .	2.4	2
1628	Mycorrhizal fungal and tree root functional traits: Strategies for integration and future directions. <i>Ecosphere</i> , 2023, 14, .	1.0	3
1629	Factors driving trait-convergence linked to leaf economic spectrum in tropical ferns. <i>Botany Letters</i> , 2023, 170, 518-531.	0.7	2
1630	Are ecological niche optimum and width of forest plant species related to their functional traits?. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2023, 301, 152247.	0.6	4
1631	Different assembly mechanisms of leaf epiphytic and endophytic bacterial communities underlie their higher diversity in more diverse forests. <i>Journal of Ecology</i> , 2023, 111, 970-981.	1.9	3
1632	Using root economics traits to predict biotic plant soil-feedbacks. <i>Plant and Soil</i> , 2023, 485, 71-89.	1.8	4
1633	Soil resources and functional trait trade-offs determine species biomass stocks and productivity in a tropical dry forest. <i>Frontiers in Forests and Global Change</i> , 0, 6, .	1.0	2
1634	Quantifying the extent of plant functional specialization using Grime’s CSR strategies. <i>Ecological Indicators</i> , 2023, 148, 110066.	2.6	2

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1635	Dispersal and persistence traits inform long-term herbaceous plant community change in encroached savannas. <i>Plant Ecology</i> , 2023, 224, 361-371.	0.7	0
1636	Integrating multiple plant functional traits to predict ecosystem productivity. <i>Communications Biology</i> , 2023, 6, .	2.0	7
1637	Nutrient-based species selection is a prevalent driver of community assembly and functional trait space in tropical forests. <i>Journal of Ecology</i> , 2023, 111, 1218-1230.	1.9	3
1638	Functional traits and trait coordination change over the life of a leaf in a tropical fern species. <i>American Journal of Botany</i> , 2023, 110, .	0.8	1
1639	What role do dauciform roots play? Responses of <i>Carex filispica</i> to trampling in alpine meadows based on functional traits. <i>Ecology and Evolution</i> , 2023, 13, .	0.8	2
1640	Linking seed size and number to trait syndromes in trees. <i>Global Ecology and Biogeography</i> , 2023, 32, 683-694.	2.7	4
1641	Functional variability in specific root respiration translates to autotrophic differences in soil respiration in a temperate deciduous forest. <i>Geoderma</i> , 2023, 432, 116414.	2.3	1
1642	Grass trait-abundance relationships and the role of the functional composition of the neighboring community. <i>Journal of Vegetation Science</i> , 2023, 34, .	1.1	0
1643	Higher local intra- than interspecific variability in water- and carbon-related leaf traits among Neotropical tree species. <i>Annals of Botany</i> , 2023, 131, 801-811.	1.4	2
1644	Plant Species' Capacity for Range Shifts at the Habitat and Geographic Scales: A Trade-Off-Based Framework. <i>Plants</i> , 2023, 12, 1248.	1.6	2
1645	Leaf phenology rather than mycorrhizal type regulates soil nematode abundance, but collectively affects nematode diversity in seven common subtropical tree species. <i>Forest Ecosystems</i> , 2023, 10, 100103.	1.3	3
1646	Characteristics of plant trait network and its influencing factors in impounded lakes and channel rivers of South-to-North Water Transfer Project, China. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
1647	Canopy height, rather than neighborhood effects, shapes leaf herbivory in a tropical rainforest. <i>Ecology</i> , 2023, 104, .	1.5	4
1648	Sex-specific outbreeding advantages and sexual dimorphism in the seedlings of dioecious trees. <i>American Journal of Botany</i> , 2023, 110, .	0.8	3
1650	Adaptations to the stressful combination of serpentine soils and Mediterranean climate drive plant functional groups and trait richness. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
1652	Shrub encroachment alters plant trait response to nitrogen addition in a semi-arid grassland. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
1655	Light scattering in stacked mesophyll cells results in similarity characteristic of solar spectral reflectance and transmittance of natural leaves. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
1656	Changes in functional traits and diversity of typical alpine grasslands after a short-term trampling disturbance. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	1.1	1

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1657	Climatic conditions affect shoot flammability by influencing flammability-related functional traits in nonfire-prone habitats. <i>New Phytologist</i> , 2023, 240, 105-113.	3.5	2
1659	Mechanism of Terrestrial Plant Community Assembly under Different Intensities of Anthropogenic Disturbance in Dianchi Lakeside. <i>Forests</i> , 2023, 14, 670.	0.9	0
1660	Are absorptive root traits good predictors of ecosystem functioning? A test in a natural temperate forest. <i>New Phytologist</i> , 2023, 239, 75-86.	3.5	3
1661	Understanding trait diversity: the role of geodiversity. <i>Trends in Ecology and Evolution</i> , 2023, 38, 736-748.	4.2	6
1662	The ternary diagram of functional diversity. <i>Methods in Ecology and Evolution</i> , 2023, 14, 1168-1174.	2.2	2
1663	Linking trait network parameters with plant growth across light gradients and seasons. <i>Functional Ecology</i> , 2023, 37, 1732-1746.	1.7	9
1664	Distinct Community Assembly Mechanisms of Different Growth Stages in a Warm Temperate Forest. <i>Diversity</i> , 2023, 15, 507.	0.7	0
1665	Ecophysiological Differentiation among Two Resurrection Ferns and Their Allopolyploid Derivative. <i>Plants</i> , 2023, 12, 1529.	1.6	2
1666	Bee functional traits and their relationship to pollination services depend on many factors: A meta-regression analysis. <i>Insect Conservation and Diversity</i> , 2023, 16, 313-323.	1.4	3
1667	Global beta-diversity of angiosperm trees is shaped by Quaternary climate change. <i>Science Advances</i> , 2023, 9, .	4.7	5
1668	Characteristics of Australia's alien flora vary with invasion stage. <i>Global Ecology and Biogeography</i> , 0, , .	2.7	0
1670	Leaf functional traits and pathogens: Linking coffee leaf rust with intraspecific trait variation in diversified agroecosystems. <i>PLoS ONE</i> , 2023, 18, e0284203.	1.1	0
1671	<sc>UAV</sc>Lidar reveals that canopy structure mediates the influence of edge effects on forest diversity, function and microclimate. <i>Journal of Ecology</i> , 2023, 111, 1411-1427.	1.9	4
1672	The Relative Importance of Coarse-Scale Climate and Fine-Scale Nitrogen Availability Contrasts in Driving Home-Field Advantage Effects in Litter Decomposition. <i>Ecosystems</i> , 0, , .	1.6	1
1673	Dear neighbor: Trees with extrafloral nectaries facilitate defense and growth of adjacent undefended trees. <i>Ecology</i> , 2023, 104, .	1.5	3
1674	Bringing light onto the RaunkiÄran shortfall: A comprehensive review of traits used in functional animal ecology. <i>Ecology and Evolution</i> , 2023, 13, .	0.8	2
1675	Trace element hyperaccumulator plant traits: a call for trait data collection. <i>Plant and Soil</i> , 2023, 488, 187-196.	1.8	2
1676	From spectra to plant functional traits: Transferable multi-trait models from heterogeneous and sparse data. <i>Remote Sensing of Environment</i> , 2023, 292, 113580.	4.6	8

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1677	Contributions of phenotypic integration, plasticity and genetic adaptation to adaptive capacity relating to drought in <i>Banksia marginata</i> (Proteaceae). <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
1678	Neopolyploidy causes increased nutrient requirements and a shift in plant growth strategy in <i>H. euchera</i> <i>cylindrica</i> . <i>Ecology</i> , 2023, 104, .	1.5	4
1710	Plants'™ Anatomical and Genetic Responses to Anthropogenic Climate Change and Human-Induced Activities. , 2023, , 403-441.		0
1760	Specific leaf area (SLA) serves as a proxy to predict total carbon content in understory individuals of the neotropical canopy palm <i>Socratea exorrhiza</i> . <i>Trees - Structure and Function</i> , 0, , .	0.9	1
1781	Revisiting the Jarman's Bell Principle. <i>Fascinating Life Sciences</i> , 2023, , 171-207.	0.5	2
1824	The global biogeography of tree leaf form and habit. <i>Nature Plants</i> , 2023, 9, 1795-1809.	4.7	1
1838	Functional Diversity Measures. , 2024, , 518-532.		0
1845	Freshwater Plants. , 2024, , 759-816.		0
1861	Functional Diversity. , 2024, , 504-517.		0
1890	Linking the Functional Traits of Australian <i>Acacia</i> Species to Their Geographic Distribution and Invasion Status. , 2023, , 74-92.		1
1918	The Missing Component. Impact of Meat Consumption on Health and Environmental Sustainability, 2023, , 194-210.	0.4	0
1978	Structure, Functions, and Interactions of Dryland Ecosystems. , 2024, , 69-107.		0