Ãœlo Niinemets

List of Publications by Year
in descending order

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Version: 2024-02-01

427 papers	49,462 citations	1883 102 h-index	2171 202 g-index
454 all docs	454 docs citations	454 times ranked	31277 citing authors

#	Article	IF	Citations
1	Comparisons of photosynthetic and anatomical traits between wild and domesticated cotton. Journal of Experimental Botany, 2022, 73, 873-885.	2.4	15
2	An elliptical blade is not a true ellipse, but a superellipseâ€“Evidence from two Michelia species. Journal of Forestry Research, 2022, 33, 1341-1348.	1.7	6
3	Sex-specific interactions shape root phenolics and rhizosphere microbial communities in Populus cathayana. Forest Ecology and Management, 2022, 504, 119857.	1.4	16
4	Long-term dynamics of soil, tree stem and ecosystem methane fluxes in a riparian forest. Science of the Total Environment, 2022, 809, 151723.	3.9	10
5	Small and slow is safe: On the drought tolerance of tropical tree species. Global Change Biology, 2022, 28, 2622-2638.	4.2	35
6	Impact of heat stress of varying severity on papaya (Carica papaya) leaves: Major changes in stress volatile signatures, but surprisingly small enhancements of total emissions. Environmental and Experimental Botany, 2022, 195, 104777.	2.0	9
7	Diminishing returns among lamina fresh and dry mass, surface area, and petiole fresh mass among nine Lauraceae species. American Journal of Botany, 2022, 109, 377-392.	0.8	14
8	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation. Nature Ecology and Evolution, 2022, 6, 36-50.	3.4	89
9	Structure and function of the soil microbiome underlying N2O emissions from global wetlands. Nature Communications, 2022, 13, 1430.	5.8	72
10	Cell-level anatomy explains leaf age-dependent declines in mesophyll conductance and photosynthetic capacity in the evergreen Mediterranean oak Quercus ilex subsp. rotundifolia. Tree Physiology, 2022, , .	1.4	2
11	Scaling relationships of leaf vein and areole traits versus leaf size for nine Magnoliaceae species differing in venation density. American Journal of Botany, 2022, 109, 899-909.	0.8	16
12	Improved plant heat shock resistance is introduced differently by heat and insect infestation: the role of volatile emission traits. Oecologia, 2022, 199, 53-68.	0.9	1
13	Highly Diverse Phytophthora infestans Populations Infecting Potato Crops in Pskov Region, North-West Russia. Journal of Fungi (Basel, Switzerland), 2022, 8, 472.	1.5	4
14	Desiccationâ€“rehydration measurements in bryophytes: current status and future insights. Journal of Experimental Botany, 2022, 73, 4338-4361.	2.4	5
15	Particulate matter and polycyclic aromatic hydrocarbon uptake in relation to leaf surface functional traits in Mediterranean evergreens: Potentials for air phytoremediation. Journal of Hazardous Materials, 2022, 435, 129029.	6.5	12
16	Priority for climate adaptation measures in European crop production systems. European Journal of Agronomy, 2022, 138, 126516.	1.9	23
17	Acute methyl jasmonate exposure results in major bursts of stress volatiles, but in surprisingly low impact on specialized volatile emissions in the fragrant grass Cymbopogon flexuosus. Journal of Plant Physiology, 2022, 274, 153721.	1.6	5
18	Negative relationship between woody species density and size of urban green spaces in seven European cities. Urban Forestry and Urban Greening, 2022, 74, 127650.	2.3	9

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19	Global relationships in tree functional traits. Nature Communications, 2022, 13, .	5.8	29
20	High exposure of global tree diversity to human pressure. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	18
21	Heat priming improved heat tolerance of photosynthesis, enhanced terpenoid and benzenoid emission and phenolics accumulation in <scp>Achillea millefolium</scp>. Plant, Cell and Environment, 2021, 44, 2365-2385.	2.8	22
22	Global patterns of biomass allocation in woody species with different tolerances of shade and drought: evidence for multiple strategies. New Phytologist, 2021, 229, 308-322.	3.5	43
23	Elevated temperature and CO2 interactively modulate sexual competition and ecophysiological responses of dioecious Populus cathayana. Forest Ecology and Management, 2021, 481, 118747.	1.4	22
24	Different functional characteristics can explain different dimensions of plant invasion success. Journal of Ecology, 2021, 109, 1524-1536.	1.9	14
25	Influence of leaf shape on the scaling of leaf surface area and length in bamboo plants. Trees - Structure and Function, 2021, 35, 709-715.	0.9	16
26	Global macroecology of nitrogenâ€fixing plants. Global Ecology and Biogeography, 2021, 30, 514-526.	2.7	16
27	Anatomical variation of mesophyll conductance due to salt stress inPopulus cathayanafemales and males growing under different inorganic nitrogen sources. Tree Physiology, 2021, 41, 1462-1478.	1.4	21
28	Climatic and evolutionary contexts are required to infer plant life history strategies from functional traits at a global scale. Ecology Letters, 2021, 24, 970-983.	3.0	19
29	Plant Age Has a Minor Effect on Non-Destructive Leaf Area Calculations in Moso Bamboo (Phyllostachys edulis). Symmetry, 2021, 13, 369.	1.1	16
30	A meta-analysis of mesophyll conductance to CO2 in relation to major abiotic stresses in poplar species. Journal of Experimental Botany, 2021, 72, 4384-4400.	2.4	9
31	Different sets of traits explain abundance and distribution patterns of European plants at different spatial scales. Journal of Vegetation Science, 2021, 32, e13016.	1.1	15
32	Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. New Phytologist, 2021, 231, 763-776.	3.5	126
33	A reporting format for leaf-level gas exchange data and metadata. Ecological Informatics, 2021, 61, 101232.	2.3	22
34	Vulnerability and responses to bark beetle and associated fungal symbiont attacks in conifers. Tree Physiology, 2021, 41, 1103-1108.	1.4	3
35	Wounding-Induced VOC Emissions in Five Tropical Agricultural Species. Molecules, 2021, 26, 2602.	1.7	6
36	Powdery mildew (Erysiphe cruciferarum) evaluation on oilseed rape and alternative cruciferous oilseed crops in the northern Baltic region in unusually warm growing seasons. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2021, 71, 443-452.	0.3	2

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37	Dose-dependent methyl jasmonate effects on photosynthetic traits and volatile emissions: biphasic kinetics and stomatal regulation. Plant Signaling and Behavior, 2021, 16, 1917169.	1.2	10
38	Heat stress resistance drives coordination of emissions of suites of volatiles after severe heat stress and during recovery in five tropical crops. Environmental and Experimental Botany, 2021, 184, 104375.	2.0	11
39	Nature-based solutions as tools for air phytoremediation: A review of the current knowledge and gaps. Environmental Pollution, 2021, 277, 116817.	3.7	19
40	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europeâ€™s alien and native floras. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	47
41	Combined Acute Ozone and Water Stress Alters the Quantitative Relationships between O3 Uptake, Photosynthetic Characteristics and Volatile Emissions in Brassica nigra. Molecules, 2021, 26, 3114.	1.7	4
42	Functional biogeography of Neotropical moist forests: Traitâ€“climate relationships and assembly patterns of tree communities. Global Ecology and Biogeography, 2021, 30, 1430-1446.	2.7	18
43	Root traits explain plant species distributions along climatic gradients yet challenge the nature of ecological trade-offs. Nature Ecology and Evolution, 2021, 5, 1123-1134.	3.4	62
44	Relationships Between Leaf Carbon and Macronutrients Across Woody Species and Forest Ecosystems Highlight How Carbon Is Allocated to Leaf Structural Function. Frontiers in Plant Science, 2021, 12, 674932.	1.7	22
45	Research agenda on biodiversity and ecosystem functions and services in European cities. Basic and Applied Ecology, 2021, 53, 124-133.	1.2	18
46	Induced Volatile Emissions, Photosynthetic Characteristics, and Pigment Content in Juglans regia Leaves Infected with the Erineum-Forming Mite Aceria erinea. Forests, 2021, 12, 920.	0.9	4
47	Content of Carotenoids, Violaxanthin and Neoxanthin in Leaves of Triticum aestivum Exposed to Persistent Environmental Pollutants. Molecules, 2021, 26, 4448.	1.7	1
48	Forest canopy mitigates soil N2O emission during hot moments. Npj Climate and Atmospheric Science, 2021, 4, .	2.6	5
49	Analyzing the causes of method-to-method variability among Rubisco kinetic traits: from the first to the current measurements. Journal of Experimental Botany, 2021, 72, 7846-7862.	2.4	8
50	<scp>CO₂</scp>â€responsiveness of leaf isoprene emission: Why do speciesÂdiffer?. Plant, Cell and Environment, 2021, 44, 3049-3063.	2.8	8
51	A dataset of the flowering plants (Angiospermae) in urban green areas in five European cities. Data in Brief, 2021, 37, 107243.	0.5	9
52	The importance of sesquiterpene oxidation products for secondary organic aerosol formation in a springtime hemiboreal forest. Atmospheric Chemistry and Physics, 2021, 21, 11781-11800.	1.9	16
53	Spatial distribution characteristics of stomata at the areole level in Michelia cavaleriei var. platypetala (Magnoliaceae). Annals of Botany, 2021, 128, 875-886.	1.4	10
54	Phloem-feeding insect infestation antagonizes volatile organic compound emissions and enhances heat stress recovery of photosynthesis in Origanum vulgare. Environmental and Experimental Botany, 2021, 189, 104551.	2.0	10

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55	â€œDiminishing returnsâ€•for leaves of five ageâ€groups of Phyllostachys edulis culms. American Journal of Botany, 2021, 108, 1662-1672.	0.8	20
56	Alternaria Black Spot (Alternaria brassicae) Infection Severity on Cruciferous Oilseed Crops. Applied Sciences (Switzerland), 2021, 11, 8507.	1.3	2
57	Global patterns of leaf construction traits and their covariation along climate and soil environmental gradients. New Phytologist, 2021, 232, 1648-1660.	3.5	18
58	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	2.4	73
59	Gall- and erineum-forming Eriophyes mites alter photosynthesis and volatile emissions in an infection severity-dependent manner in broad-leaved trees Alnus glutinosa and Tilia cordata. Tree Physiology, 2021, 41, 1122-1142.	1.4	5
60	Can Leaf Shape be Represented by the Ratio of Leaf Width to Length? Evidence from Nine Species of Magnolia and Michelia (Magnoliaceae). Forests, 2021, 12, 41.	0.9	16
61	Enhanced photosynthetic nitrogen use efficiency and increased nitrogen allocation to photosynthetic machinery under cotton domestication. Photosynthesis Research, 2021, 150, 239-250.	1.6	19
62	Modelling the influence of biotic plant stress on atmospheric aerosol particle processes throughout a growing season. Atmospheric Chemistry and Physics, 2021, 21, 17389-17431.	1.9	6
63	Pivotal Role of Mesophyll Conductance in Shaping Photosynthetic Performance across 67 Structurally Diverse Gymnosperm Species. International Journal of Plant Sciences, 2020, 181, 116-128.	0.6	15
64	Predictability of Leaf Morphological Traits for Paleoecological Reconstruction: The Case of Leaf Cuticle and Leaf Dry Mass per Area. International Journal of Plant Sciences, 2020, 181, 129-141.	0.6	5
65	Are stomata in ferns and allies sluggish? Stomatal responses to <scp>CO</scp>₂, humidity and light and their scaling with size and density. New Phytologist, 2020, 225, 183-195.	3.5	28
66	Does the law of diminishing returns in leaf scaling apply to vines? â€“ Evidence from 12 species of climbing plants. Global Ecology and Conservation, 2020, 21, e00830.	1.0	22
67	Influence of Brevibacterium linens RS16 on foliage photosynthetic and volatile emission characteristics upon heat stress in Eucalyptus grandis. Science of the Total Environment, 2020, 700, 134453.	3.9	25
68	Does the leaf economic spectrum hold within plant functional types? A Bayesian multivariate trait metaâ€analysis. Ecological Applications, 2020, 30, e02064.	1.8	22
69	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
70	Similar factors underlie tree abundance in forests in native and alien ranges. Global Ecology and Biogeography, 2020, 29, 281-294.	2.7	21
71	Evolutionary trends in RuBisCO kinetics and their coâ€evolution with CO₂ concentrating mechanisms. Plant Journal, 2020, 101, 897-918.	2.8	100
72	Does winter oilseed rape as a winter cover crop influence potato late blight development in an organic crop rotation?. Biological Agriculture and Horticulture, 2020, 36, 71-83.	0.5	9

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73	Responses of isoprene emission and photochemical efficiency to severe drought combined with prolonged hot weather in hybrid Populus. Journal of Experimental Botany, 2020, 71, 7364-7381.	2.4	14
74	Comparison of the Scaling Relationships of Leaf Biomass versus Surface Area between Spring and Summer for Two Deciduous Tree Species. Forests, 2020, 11, 1010.	0.9	19
75	Revisiting the Functional Basis of Sclerophylly Within the Leaf Economics Spectrum of Oaks: Different Roads to Rome. Current Forestry Reports, 2020, 6, 260-281.	3.4	26
76	Variability in the chloroplast area lining the intercellular airspace and cell walls drives mesophyll conductance in gymnosperms. Journal of Experimental Botany, 2020, 71, 4958-4971.	2.4	19
77	Isoprenoid and aromatic compound emissions in relation to leaf structure, plant growth form and species ecology in 45 East-Asian urban subtropical woody species. Urban Forestry and Urban Greening, 2020, 53, 126705.	2.3	12
78	Fighting Fusarium Pathogens in the Era of Climate Change: A Conceptual Approach. Pathogens, 2020, 9, 419.	1.2	33
79	Global gradients in intraspecific variation in vegetative and floral traits are partially associated with climate and species richness. Global Ecology and Biogeography, 2020, 29, 992-1007.	2.7	51
80	The fate of carbon in a mature forest under carbon dioxide enrichment. Nature, 2020, 580, 227-231.	13.7	218
81	Global plant trait relationships extend to the climatic extremes of the tundra biome. Nature Communications, 2020, 11, 1351.	5.8	52
82	Role of Stomatal Conductance in Modifying the Dose Response of Stress-Volatile Emissions in Methyl Jasmonate Treated Leaves of Cucumber (Cucumis Sativa). International Journal of Molecular Sciences, 2020, 21, 1018.	1.8	20
83	Contrasting coâ€occurrence patterns of photobiont and cystobasidiomycete yeast associated with common epiphytic lichen species. New Phytologist, 2020, 227, 1362-1375.	3.5	50
84	Impact of Gall-Forming Insects on Global BVOC Emissions and Climate: A Perspective. Frontiers in Forests and Global Change, 2020, 3, .	1.0	7
85	Leaf Bilateral Symmetry and the Scaling of the Perimeter vs. the Surface Area in 15 Vine Species. Forests, 2020, 11, 246.	0.9	19
86	Simulating functional diversity of European natural forests along climatic gradients. Journal of Biogeography, 2020, 47, 1069-1085.	1.4	19
87	Microstructural and physiological responses to cadmium stress under different nitrogen levels in Populus cathayana females and males. Tree Physiology, 2020, 40, 30-45.	1.4	26
88	Plant organ senescence above- and belowground in trees: how to best salvage resources for new growth?. Tree Physiology, 2020, 40, 981-986.	1.4	4
89	Application of widely used fungicides does not necessarily affect grain yield, and incidence of Fusarium spp. and mycotoxins DON, HT-2 and T-2 in spring barley in northern climates. KvasnÃ½ PrÅ¯mysl, 2020, 66, .	0.1	6
90	EVALUATION OF DOWNY MILDEW (HYALOPERONOSPORA BRASSICAE) INFECTION SEVERITY ON DIFFERENT CRUCIFEROUS OILSEED CROPS. Rural Development 2019, 2020, 2019, 329-335.	0.1	1

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91	Responses of Aspen Leaves to Heatflecks: Both Damaging and Non-Damaging Rapid Temperature Excursions Reduce Photosynthesis. Plants, 2019, 8, 145.	1.6	20
92	Anatomical constraints to nonstomatal diffusion conductance and photosynthesis in lycophytes and bryophytes. New Phytologist, 2019, 222, 1256-1270.	3.5	72
93	Rootstock determines the drought resistance of poplar grafting combinations. Tree Physiology, 2019, 39, 1855-1866.	1.4	23
94	Robustness of trait connections across environmental gradients and growth forms. Global Ecology and Biogeography, 2019, 28, 1806-1826.	2.7	56
95	Lethal heat stress-dependent volatile emissions from tobacco leaves: what happens beyond the thermal edge?. Journal of Experimental Botany, 2019, 70, 5017-5030.	2.4	25
96	Foliage inoculation by Burkholderia vietnamiensis CBMB40 antagonizes methyl jasmonate-mediated stress in Eucalyptus grandis. Journal of Plant Physiology, 2019, 242, 153032.	1.6	24
97	Effects of competition and phosphorus fertilization on leaf and root traits of late-successional conifers Abies fabri and Picea brachytyla. Environmental and Experimental Botany, 2019, 162, 14-24.	2.0	17
98	sPlot â€“ A new tool for global vegetation analyses. Journal of Vegetation Science, 2019, 30, 161-186.	1.1	185
99	Leaf economics and plant hydraulics drive leaf : wood area ratios. New Phytologist, 2019, 224, 1544-1556.	3.5	77
100	Potential improvement of photosynthetic CO2 assimilation in crops by exploiting the natural variation in the temperature response of Rubisco catalytic traits. Current Opinion in Plant Biology, 2019, 49, 60-67.	3.5	32
101	Methylobacterium oryzae CBMB20 influences photosynthetic traits, volatile emission and ethylene metabolism in Oryza sativa genotypes grown in salt stress conditions. Planta, 2019, 249, 1903-1919.	1.6	27
102	A novel approach for real-time monitoring of leaf wounding responses demonstrates unprecedently fast and high emissions of volatiles from cut leaves. Plant Science, 2019, 283, 256-265.	1.7	22
103	Drier tropical forests are susceptible to functional changes in response to a longâ€term drought. Ecology Letters, 2019, 22, 855-865.	3.0	75
104	Canopy leaf area index at its higher end: dissection of structural controls from leaf to canopy scales in bryophytes. New Phytologist, 2019, 223, 118-133.	3.5	18
105	Towards an integrative approach to evaluate the environmental ecosystem services provided by urban forest. Journal of Forestry Research, 2019, 30, 1981-1996.	1.7	73
106	Ozone and Wounding Stresses Differently Alter the Temporal Variation in Formylated Phloroglucinols in Eucalyptus globulus Leaves. Metabolites, 2019, 9, 46.	1.3	9
107	Elevated temperature differently affects growth, photosynthetic capacity, nutrient absorption and leaf ultrastructure of Abies faxoniana and Picea purpurea under intra- and interspecific competition. Tree Physiology, 2019, 39, 1342-1357.	1.4	21
108	Asymmetric pruning reveals how organ connectivity alters the functional balance between leaves and roots of Chinese fir. Journal of Experimental Botany, 2019, 70, 1941-1953.	2.4	7

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109	A metaâ€analysis of plant responses to light intensity for 70 traits ranging from molecules to whole plant performance. New Phytologist, 2019, 223, 1073-1105.	3.5	307
110	Petiole gall aphid (Pemphigus spyrothecae) infestation of Populus Ã— petrovskiana leaves alters foliage photosynthetic characteristics and leads to enhanced emissions of both constitutive and stress-induced volatiles. Trees - Structure and Function, 2019, 33, 37-51.	0.9	19
111	Traditional plant functional groups explain variation in economic but not sizeâ€related traits across the tundra biome. Global Ecology and Biogeography, 2019, 28, 78-95.	2.7	49
112	The effects of intervessel pit characteristics on xylem hydraulic efficiency and photosynthesis in hemiepiphytic and nonâ€hemiepiphytic Ficus species. Physiologia Plantarum, 2019, 167, 661-675.	2.6	8
113	Global photosynthetic capacity is optimized to the environment. Ecology Letters, 2019, 22, 506-517.	3.0	153
114	Plant-plant interactions and N fertilization shape soil bacterial and fungal communities. Soil Biology and Biochemistry, 2019, 128, 127-138.	4.2	94
115	Evaluation of foliar late blight resistance of potato cultivars in northern Baltic conditions. Zemdirbyste, 2019, 106, 45-52.	0.3	10
116	A major trade-off between structural and photosynthetic investments operative across plant and needle ages in three Mediterranean pines. Tree Physiology, 2018, 38, 543-557.	1.4	38
117	When leaves go over the thermal edge. Plant, Cell and Environment, 2018, 41, 1247-1250.	2.8	18
118	Structural controls on photosynthetic capacity through juvenileâ€toâ€adult transition and needle ageing in Mediterranean pines. Functional Ecology, 2018, 32, 1479-1491.	1.7	30
119	Glandular trichomes as a barrier against atmospheric oxidative stress: Relationships with ozone uptake, leaf damage, and emission of LOX products across a diverse set of species. Plant, Cell and Environment, 2018, 41, 1263-1277.	2.8	69
120	Divergent assemblage patterns and driving forces for bacterial and fungal communities along a glacier forefield chronosequence. Soil Biology and Biochemistry, 2018, 118, 207-216.	4.2	133
121	Ozone-triggered surface uptake and stress volatile emissions in Nicotiana tabacum â€˜Wisconsinâ€™. Journal of Experimental Botany, 2018, 69, 681-697.	2.4	26
122	Diterpenoid fingerprints in pine foliage across an environmental and chemotypic matrix: Isoabienol content is a key trait differentiating chemotypes. Phytochemistry, 2018, 147, 80-88.	1.4	7
123	Changes in photosynthetic rate and stress volatile emissions through desiccationâ€rehydration cycles in desiccationâ€tolerant epiphytic filmy ferns (<scp>Hymenophyllaceae</scp>). Plant, Cell and Environment, 2018, 41, 1605-1617.	2.8	22
124	Shifts in tree functional composition amplify the response of forest biomass to climate. Nature, 2018, 556, 99-102.	13.7	99
125	What Are Plant-Released Biogenic Volatiles and How They Participate in Landscape- to Global-Level Processes?. , 2018, , 29-56.		7
126	Nitrogen-rich organic soils under warm well-drained conditions are global nitrous oxide emission hotspots. Nature Communications, 2018, 9, 1135.	5.8	98

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127	Differential regulation of volatile emission from Eucalyptus globulus leaves upon single and combined ozone and wounding treatments through recovery and relationships with ozone uptake. Environmental and Experimental Botany, 2018, 145, 21-38.	2.0	39
128	Evidence That Isoprene Emission Is Not Limited by Cytosolic Metabolites. Exogenous Malate Does Not Invert the Reverse Sensitivity of Isoprene Emission to High [CO2]. Plant Physiology, 2018, 176, 1573-1586.	2.3	21
129	Nutrient stoichiometry and land use rather than species richness determine plant functional diversity. Ecology and Evolution, 2018, 8, 601-616.	0.8	22
130	Nutrientâ€rich plants emit a less intense blend of volatile isoprenoids. New Phytologist, 2018, 220, 773-784.	3.5	56
131	Oak gall wasp infections of Quercus robur leaves lead to profound modifications in foliage photosynthetic and volatile emission characteristics. Plant, Cell and Environment, 2018, 41, 160-175.	2.8	30
132	Global traitâ€“environment relationships of plant communities. Nature Ecology and Evolution, 2018, 2, 1906-1917.	3.4	397
133	A methodology to derive global maps of leaf traits using remote sensing and climate data. Remote Sensing of Environment, 2018, 218, 69-88.	4.6	104
134	Plant functional trait change across a warming tundra biome. Nature, 2018, 562, 57-62.	13.7	451
135	Alternative Carbon Sources for Isoprene Emission. Trends in Plant Science, 2018, 23, 1081-1101.	4.3	30
136	Storage of defense metabolites in the leaves of Myrtaceae: news of the eggs in different baskets. Tree Physiology, 2018, 38, 1445-1450.	1.4	11
137	Massive release of volatile organic compounds due to leaf midrib wounding in Populus tremula. Plant Ecology, 2018, 219, 1021-1028.	0.7	12
138	Brevibacterium linens RS16 confers salt tolerance to Oryza sativa genotypes by regulating antioxidant defense and H+ ATPase activity. Microbiological Research, 2018, 215, 89-101.	2.5	47
139	Methyl salicylate differently affects benzenoid and terpenoid volatile emissions in Betula pendula. Tree Physiology, 2018, 38, 1513-1525.	1.4	18
140	Inoculation of Brevibacterium linens RS16 in Oryza sativa genotypes enhanced salinity resistance: Impacts on photosynthetic traits and foliar volatile emissions. Science of the Total Environment, 2018, 645, 721-732.	3.9	36
141	Temporal regulation of terpene synthase gene expression in Eucalyptus globulus leaves upon ozone and wounding stresses: relationships with stomatal ozone uptake and emission responses. Environmental and Experimental Botany, 2018, 155, 552-565.	2.0	16
142	Emissions of carotenoid cleavage products upon heat shock and mechanical wounding from a foliose lichen. Environmental and Experimental Botany, 2017, 133, 87-97.	2.0	32
143	Cellâ€level anatomical characteristics explain high mesophyll conductance and photosynthetic capacity in sclerophyllous Mediterranean oaks. New Phytologist, 2017, 214, 585-596.	3.5	104
144	Fading of wound-induced volatile release during Populus tremula leaf expansion. Journal of Plant Research, 2017, 130, 157-165.	1.2	13

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145	Physiological and structural tradeoffs underlying the leaf economics spectrum. New Phytologist, 2017, 214, 1447-1463.	3.5	412
146	Extremely thick cell walls and low mesophyll conductance: welcome to the world of ancient living!. Journal of Experimental Botany, 2017, 68, 1639-1653.	2.4	96
147	Genome sequencing and population genomic analyses provide insights into the adaptive landscape of silver birch. Nature Genetics, 2017, 49, 904-912.	9.4	221
148	A roadmap for improving the representation of photosynthesis in Earth system models. New Phytologist, 2017, 213, 22-42.	3.5	365
149	Photosynthesis: ancient, essential, complex, diverse â€¦ and in need of improvement in a changing world. New Phytologist, 2017, 213, 43-47.	3.5	30
150	Ozoneâ€induced foliar damage and release of stress volatiles is highly dependent on stomatal openness and priming by lowâ€level ozone exposure in <scp>Phaseolus vulgaris</scp>. Plant, Cell and Environment, 2017, 40, 1984-2003.	2.8	66
151	Disproportionate photosynthetic decline and inverse relationship between constitutive and induced volatile emissions upon feeding of Quercus robur leaves by large larvae of gypsy moth (Lymantria) Tj ETQq1 1 0.784314 rgBT /Overlock	4.1	38
152	Changes of secondary metabolites in Pinus sylvestris L. needles under increasing soil water deficit. Annals of Forest Science, 2017, 74, 1.	0.8	29
153	Global leaf trait estimates biased due to plasticity in the shade. Nature Plants, 2017, 3, 16201.	4.7	135
154	Coordinated modifications in mesophyll conductance, photosynthetic potentials and leaf nitrogen contribute to explain the large variation in foliage net assimilation rates across Quercus ilex provenances. Tree Physiology, 2017, 37, 1084-1094.	1.4	30
155	Global climatic drivers of leaf size. Science, 2017, 357, 917-921.	6.0	580
156	Indicators of climate change adaptation from molecules to ecosystems. Regional Environmental Change, 2017, 17, 2055-2059.	1.4	1
157	Interacting environmental and chemical stresses under global change in temperate aquatic ecosystems: stress responses, adaptation, and scaling. Regional Environmental Change, 2017, 17, 2061-2077.	1.4	26
158	Effects of phosphorus availability on later stages of primary succession in Gongga Mountain glacier retreat area. Environmental and Experimental Botany, 2017, 141, 103-112.	2.0	13
159	Environmental feedbacks in temperate aquatic ecosystems under global change: why do we need to consider chemical stressors?. Regional Environmental Change, 2017, 17, 2079-2096.	1.4	11
160	Generality of relationships between leaf pigment contents and spectral vegetation indices in Mallorca (Spain). Regional Environmental Change, 2017, 17, 2097-2109.	1.4	37
161	The Role of Mesophyll Conductance in Oak Photosynthesis: Among- and Within-Species Variability. Tree Physiology, 2017, , 303-325.	0.9	6
162	Mapping local and global variability in plant trait distributions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10937-E10946.	3.3	159

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163	Nitrogen-controlled intra- and interspecific competition between Populus purdomii and Salix rehderiana drive primary succession in the Gongga Mountain glacier retreat area. Tree Physiology, 2017, 37, 799-814.	1.4	34
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