

lo Niinemets

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

423
papers

36,129
citations

94
h-index

180
g-index

454
ext. papers

43,467
ext. citations

6.5
avg, IF

7.68
L-index

#	Paper	IF	Citations
4 ²³	Diminishing returns among lamina fresh and dry mass, surface area, and petiole fresh mass among nine Lauraceae species.. <i>American Journal of Botany</i> , 2022 ,	2.7	1
4 ²²	Sex-specific interactions shape root phenolics and rhizosphere microbial communities in <i>Populus cathayana</i> . <i>Forest Ecology and Management</i> , 2022 , 504, 119857	3.9	0
4 ²¹	Small and slow is safe: On the drought tolerance of tropical tree species.. <i>Global Change Biology</i> , 2022 ,	11.4	3
4 ²⁰	Impact of heat stress of varying severity on papaya (<i>Carica papaya</i>) leaves: Major changes in stress volatile signatures, but surprisingly small enhancements of total emissions. <i>Environmental and Experimental Botany</i> , 2022 , 195, 104777	5.9	0
4 ¹⁹	Structure and function of the soil microbiome underlying NO emissions from global wetlands.. <i>Nature Communications</i> , 2022 , 13, 1430	17.4	0
4 ¹⁸	Scaling relationships of leaf vein and areole traits versus leaf size for nine Magnoliaceae species differing in venation density.. <i>American Journal of Botany</i> , 2022 ,	2.7	2
4 ¹⁷	Improved plant heat shock resistance is introduced differently by heat and insect infestation: the role of volatile emission traits.. <i>Oecologia</i> , 2022 , 1	2.9	0
4 ¹⁶	Highly Diverse Phytophthora infestans Populations Infecting Potato Crops in Pskov Region, North-West Russia. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8, 472	5.6	1
4 ¹⁵	Particulate matter and polycyclic aromatic hydrocarbon uptake in relation to leaf surface functional traits in Mediterranean evergreens: Potentials for air phytoremediation.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 129029	12.8	0
4 ¹⁴	Priority for climate adaptation measures in European crop production systems. <i>European Journal of Agronomy</i> , 2022 , 138, 126516	5	1
4 ¹³	Acute methyl jasmonate exposure results in major bursts of stress volatiles, but in surprisingly low impact on specialized volatile emissions in the fragrant grass <i>Cymbopogon flexuosus</i> . <i>Journal of Plant Physiology</i> , 2022 , 153721	3.6	0
4 ¹²	Heat priming improved heat tolerance of photosynthesis, enhanced terpenoid and benzenoid emission and phenolics accumulation in <i>Achillea millefolium</i> . <i>Plant, Cell and Environment</i> , 2021 , 44, 2365-2385	8.4	8
4 ¹¹	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation.. <i>Nature Ecology and Evolution</i> , 2021 ,	12.3	6
4 ¹⁰	Long-term dynamics of soil, tree stem and ecosystem methane fluxes in a riparian forest. <i>Science of the Total Environment</i> , 2021 , 809, 151723	10.2	1
4 ⁰⁹	Modelling the influence of biotic plant stress on atmospheric aerosol particle processes throughout a growing season. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 17389-17431	6.8	1
4 ⁰⁸	Can Leaf Shape be Represented by the Ratio of Leaf Width to Length? Evidence from Nine Species of <i>Magnolia</i> and <i>Michelia</i> (Magnoliaceae). <i>Forests</i> , 2021 , 12, 41	2.8	5
4 ⁰⁷	Enhanced photosynthetic nitrogen use efficiency and increased nitrogen allocation to photosynthetic machinery under cotton domestication. <i>Photosynthesis Research</i> , 2021 , 150, 239-250	3.7	4

406	Gall- and erineum-forming Eriophyes mites alter photosynthesis and volatile emissions in an infection severity-dependent manner in broad-leaved trees <i>Alnus glutinosa</i> and <i>Tilia cordata</i> . <i>Tree Physiology</i> , 2021 , 41, 1122-1142	4.2	1
405	A meta-analysis of mesophyll conductance to CO ₂ in relation to major abiotic stresses in poplar species. <i>Journal of Experimental Botany</i> , 2021 , 72, 4384-4400	7	0
404	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	3.1	2
403	Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. <i>New Phytologist</i> , 2021 , 231, 763-776	9.8	31
402	A reporting format for leaf-level gas exchange data and metadata. <i>Ecological Informatics</i> , 2021 , 61, 101232	4.2	11
401	Wounding-Induced VOC Emissions in Five Tropical Agricultural Species. <i>Molecules</i> , 2021 , 26,	4.8	1
400	Powdery mildew (<i>Erysiphe cruciferarum</i>) evaluation on oilseed rape and alternative cruciferous oilseed crops in the northern Baltic region in unusually warm growing seasons. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2021 , 71, 443-452	1.1	0
399	Dose-dependent methyl jasmonate effects on photosynthetic traits and volatile emissions: biphasic kinetics and stomatal regulation. <i>Plant Signaling and Behavior</i> , 2021 , 16, 1917169	2.5	5
398	Heat stress resistance drives coordination of emissions of suites of volatiles after severe heat stress and during recovery in five tropical crops. <i>Environmental and Experimental Botany</i> , 2021 , 184, 104373	5.9	6
397	Nature-based solutions as tools for air phytoremediation: A review of the current knowledge and gaps. <i>Environmental Pollution</i> , 2021 , 277, 116817	9.3	4
396	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,	11.5	4
395	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	6.1	2
394	Comparisons of photosynthetic and anatomical traits between wild and domesticated cotton. <i>Journal of Experimental Botany</i> , 2021 ,	7	3
393	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	12.3	11
392	Relationships Between Leaf Carbon and Macronutrients Across Woody Species and Forest Ecosystems Highlight How Carbon Is Allocated to Leaf Structural Function. <i>Frontiers in Plant Science</i> , 2021 , 12, 674932	6.2	2
391	Research agenda on biodiversity and ecosystem functions and services in European cities. <i>Basic and Applied Ecology</i> , 2021 , 53, 124-133	3.2	7
390	Induced Volatile Emissions, Photosynthetic Characteristics, and Pigment Content in <i>Juglans regia</i> Leaves Infected with the Erineum-Forming Mite <i>Aceria erineae</i> . <i>Forests</i> , 2021 , 12, 920	2.8	1
389	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	9.8	11

388	Elevated temperature and CO2 interactively modulate sexual competition and ecophysiological responses of dioecious <i>Populus cathayana</i> . <i>Forest Ecology and Management</i> , 2021 , 481, 118747	3.9	7
387	Different functional characteristics can explain different dimensions of plant invasion success. <i>Journal of Ecology</i> , 2021 , 109, 1524-1536	6	1
386	Influence of leaf shape on the scaling of leaf surface area and length in bamboo plants. <i>Trees - Structure and Function</i> , 2021 , 35, 709-715	2.6	8
385	Global macroecology of nitrogen-fixing plants. <i>Global Ecology and Biogeography</i> , 2021 , 30, 514-526	6.1	3
384	Anatomical variation of mesophyll conductance due to salt stress in <i>Populus cathayana</i> females and males growing under different inorganic nitrogen sources. <i>Tree Physiology</i> , 2021 , 41, 1462-1478	4.2	4
383	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	10	4
382	Plant Age Has a Minor Effect on Non-Destructive Leaf Area Calculations in Moso Bamboo (<i>Phyllostachys edulis</i>). <i>Symmetry</i> , 2021 , 13, 369	2.7	7
381	Forest canopy mitigates soil N2O emission during hot moments. <i>Npj Climate and Atmospheric Science</i> , 2021 , 4,	8	1
380	Analyzing the causes of method-to-method variability among Rubisco kinetic traits: from the first to the current measurements. <i>Journal of Experimental Botany</i> , 2021 , 72, 7846-7862	7	1
379	CO ₂ -responsiveness of leaf isoprene emission: Why do species differ?. <i>Plant, Cell and Environment</i> , 2021 , 44, 3049-3063	8.4	0
378	A dataset of the flowering plants (Angiospermae) in urban green areas in five European cities. <i>Data in Brief</i> , 2021 , 37, 107243	1.2	2
377	The importance of sesquiterpene oxidation products for secondary organic aerosol formation in a springtime hemiboreal forest. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11781-11800	6.8	5
376	Spatial distribution characteristics of stomata at the areole level in <i>Michelia cavaleriei</i> var. <i>platyptala</i> (Magnoliaceae). <i>Annals of Botany</i> , 2021 , 128, 875-886	4.1	2
375	Phloem-feeding insect infestation antagonizes volatile organic compound emissions and enhances heat stress recovery of photosynthesis in <i>Origanum vulgare</i> . <i>Environmental and Experimental Botany</i> , 2021 , 189, 104551	5.9	1
374	"Diminishing returns" for leaves of five age-groups of <i>Phyllostachys edulis</i> culms. <i>American Journal of Botany</i> , 2021 , 108, 1662-1672	2.7	4
373	<i>Alternaria</i> Black Spot (<i>Alternaria brassicae</i>) Infection Severity on Cruciferous Oilseed Crops. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8507	2.6	2
372	Global patterns of leaf construction traits and their covariation along climate and soil environmental gradients. <i>New Phytologist</i> , 2021 , 232, 1648-1660	9.8	3
371	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021 , 8, 254	8.2	6

370	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	7	6
369	Isoprenoid and aromatic compound emissions in relation to leaf structure, plant growth form and species ecology in 45 East-Asian urban subtropical woody species. <i>Urban Forestry and Urban Greening</i> , 2020 , 53, 126705	5.4	5
368	Fighting Pathogens in the Era of Climate Change: A Conceptual Approach. <i>Pathogens</i> , 2020 , 9,	4.5	15
367	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	6.1	13
366	The fate of carbon in a mature forest under carbon dioxide enrichment. <i>Nature</i> , 2020 , 580, 227-231	50.4	109
365	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , 2020 , 11, 1351	17.4	19
364	Role of Stomatal Conductance in Modifying the Dose Response of Stress-Volatile Emissions in Methyl Jasmonate Treated Leaves of Cucumber (). <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
363	Contrasting co-occurrence patterns of photobiont and cystobasidiomycete yeast associated with common epiphytic lichen species. <i>New Phytologist</i> , 2020 , 227, 1362-1375	9.8	32
362	Impact of Gall-Forming Insects on Global BVOC Emissions and Climate: A Perspective. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	4
361	Leaf Bilateral Symmetry and the Scaling of the Perimeter vs. the Surface Area in 15 Vine Species. <i>Forests</i> , 2020 , 11, 246	2.8	13
360	Simulating functional diversity of European natural forests along climatic gradients. <i>Journal of Biogeography</i> , 2020 , 47, 1069-1085	4.1	9
359	Microstructural and physiological responses to cadmium stress under different nitrogen levels in <i>Populus cathayana</i> females and males. <i>Tree Physiology</i> , 2020 , 40, 30-45	4.2	14
358	Plant organ senescence above- and belowground in trees: how to best salvage resources for new growth?. <i>Tree Physiology</i> , 2020 , 40, 981-986	4.2	2
357	Application of widely used fungicides does not necessarily affect grain yield, and incidence of <i>Fusarium</i> spp. and mycotoxins DON, HT-2 and T-2 in spring barley in northern climates. <i>Kvasn Průmysl</i> , 2020 , 66,	1.3	4
356	Does the law of diminishing returns in leaf scaling apply to vines? Evidence from 12 species of climbing plants. <i>Global Ecology and Conservation</i> , 2020 , 21, e00830	2.8	13
355	Influence of <i>Brevibacterium linens</i> RS16 on foliage photosynthetic and volatile emission characteristics upon heat stress in <i>Eucalyptus grandis</i> . <i>Science of the Total Environment</i> , 2020 , 700, 134453	10.2	12
354	Does the leaf economic spectrum hold within plant functional types? A Bayesian multivariate trait meta-analysis. <i>Ecological Applications</i> , 2020 , 30, e02064	4.9	9
353	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399

352	Similar factors underlie tree abundance in forests in native and alien ranges. <i>Global Ecology and Biogeography</i> , 2020 , 29, 281-294	6.1	8
351	Evolutionary trends in RuBisCO kinetics and their co-evolution with CO concentrating mechanisms. <i>Plant Journal</i> , 2020 , 101, 897-918	6.9	34
350	Does winter oilseed rape as a winter cover crop influence potato late blight development in an organic crop rotation?. <i>Biological Agriculture and Horticulture</i> , 2020 , 36, 71-83	1.6	3
349	Responses of isoprene emission and photochemical efficiency to severe drought combined with prolonged hot weather in hybrid Populus. <i>Journal of Experimental Botany</i> , 2020 , 71, 7364-7381	7	5
348	Comparison of the Scaling Relationships of Leaf Biomass versus Surface Area between Spring and Summer for Two Deciduous Tree Species. <i>Forests</i> , 2020 , 11, 1010	2.8	14
347	Revisiting the Functional Basis of Sclerophylly Within the Leaf Economics Spectrum of Oaks: Different Roads to Rome. <i>Current Forestry Reports</i> , 2020 , 6, 260-281	8	6
346	Pivotal Role of Mesophyll Conductance in Shaping Photosynthetic Performance across 67 Structurally Diverse Gymnosperm Species. <i>International Journal of Plant Sciences</i> , 2020 , 181, 116-128	2.6	11
345	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	2.6	4
344	Are stomata in ferns and allies sluggish? Stomatal responses to CO ₂ , humidity and light and their scaling with size and density. <i>New Phytologist</i> , 2020 , 225, 183-195	9.8	13
343	Lethal heat stress-dependent volatile emissions from tobacco leaves: what happens beyond the thermal edge?. <i>Journal of Experimental Botany</i> , 2019 , 70, 5017-5030	7	13
342	Foliage inoculation by Burkholderia vietnamiensis CBMB40 antagonizes methyl jasmonate-mediated stress in Eucalyptus grandis. <i>Journal of Plant Physiology</i> , 2019 , 242, 153032	3.6	17
341	Effects of competition and phosphorus fertilization on leaf and root traits of late-successional conifers Abies fabri and Picea brachytyla. <i>Environmental and Experimental Botany</i> , 2019 , 162, 14-24	5.9	9
340	sPlot: A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019 , 30, 161-186	3.1	96
339	Leaf economics and plant hydraulics drive leaf : wood area ratios. <i>New Phytologist</i> , 2019 , 224, 1544-1556	9.8	30
338	Potential improvement of photosynthetic CO ₂ assimilation in crops by exploiting the natural variation in the temperature response of Rubisco catalytic traits. <i>Current Opinion in Plant Biology</i> , 2019 , 49, 60-67	9.9	17
337	Methylobacterium oryzae CBMB20 influences photosynthetic traits, volatile emission and ethylene metabolism in Oryza sativa genotypes grown in salt stress conditions. <i>Planta</i> , 2019 , 249, 1903-1919	4.7	11
336	A novel approach for real-time monitoring of leaf wounding responses demonstrates unprecedentedly fast and high emissions of volatiles from cut leaves. <i>Plant Science</i> , 2019 , 283, 256-265	5.3	16
335	Drier tropical forests are susceptible to functional changes in response to a long-term drought. <i>Ecology Letters</i> , 2019 , 22, 855-865	10	39

334	Canopy leaf area index at its higher end: dissection of structural controls from leaf to canopy scales in bryophytes. <i>New Phytologist</i> , 2019 , 223, 118-133	9.8	10
333	Towards an integrative approach to evaluate the environmental ecosystem services provided by urban forest. <i>Journal of Forestry Research</i> , 2019 , 30, 1981-1996	2	33
332	Ozone and Wounding Stresses Differently Alter the Temporal Variation in Formylated Phloroglucinols in Leaves. <i>Metabolites</i> , 2019 , 9,	5.6	8
331	Elevated temperature differently affects growth, photosynthetic capacity, nutrient absorption and leaf ultrastructure of <i>Abies faxoniana</i> and <i>Picea purpurea</i> under intra- and interspecific competition. <i>Tree Physiology</i> , 2019 , 39, 1342-1357	4.2	13
330	Asymmetric pruning reveals how organ connectivity alters the functional balance between leaves and roots of Chinese fir. <i>Journal of Experimental Botany</i> , 2019 , 70, 1941-1953	7	4
329	A meta-analysis of plant responses to light intensity for 70 traits ranging from molecules to whole plant performance. <i>New Phytologist</i> , 2019 , 223, 1073-1105	9.8	137
328	Responses of Aspen Leaves to Heatflecks: Both Damaging and Non-Damaging Rapid Temperature Excursions Reduce Photosynthesis. <i>Plants</i> , 2019 , 8,	4.5	14
327	Anatomical constraints to nonstomatal diffusion conductance and photosynthesis in lycophytes and bryophytes. <i>New Phytologist</i> , 2019 , 222, 1256-1270	9.8	40
326	Rootstock determines the drought resistance of poplar grafting combinations. <i>Tree Physiology</i> , 2019 , 39, 1855-1866	4.2	11
325	Robustness of trait connections across environmental gradients and growth forms. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1806-1826	6.1	19
324	Evaluation of late blight foliar resistance of potato cultivars in northern Baltic conditions. <i>Zemdirbyste</i> , 2019 , 106, 45-52	1.1	6
323	Petiole gall aphid () infestation of leaves alters foliage photosynthetic characteristics and leads to enhanced emissions of both constitutive and stress-induced volatiles. <i>Trees - Structure and Function</i> , 2019 , 33, 37-51	2.6	14
322	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	6.1	24
321	The effects of intervessel pit characteristics on xylem hydraulic efficiency and photosynthesis in hemiepiphytic and non-hemiepiphytic <i>Ficus</i> species. <i>Physiologia Plantarum</i> , 2019 , 167, 661-675	4.6	1
320	Global photosynthetic capacity is optimized to the environment. <i>Ecology Letters</i> , 2019 , 22, 506-517	10	80
319	Plant-plant interactions and N fertilization shape soil bacterial and fungal communities. <i>Soil Biology and Biochemistry</i> , 2019 , 128, 127-138	7.5	46
318	A major trade-off between structural and photosynthetic investments operative across plant and needle ages in three Mediterranean pines. <i>Tree Physiology</i> , 2018 , 38, 543-557	4.2	28
317	When leaves go over the thermal edge. <i>Plant, Cell and Environment</i> , 2018 , 41, 1247-1250	8.4	12

316	Structural controls on photosynthetic capacity through juvenile-to-adult transition and needle ageing in Mediterranean pines. <i>Functional Ecology</i> , 2018 , 32, 1479-1491	5.6	21
315	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. <i>Plant, Cell and Environment</i> , 2018 , 41, 1263-1277	8.4	40
314	Divergent assemblage patterns and driving forces for bacterial and fungal communities along a glacier forefield chronosequence. <i>Soil Biology and Biochemistry</i> , 2018 , 118, 207-216	7.5	50
313	Ozone-triggered surface uptake and stress volatile emissions in <i>Nicotiana tabacum</i> 'Wisconsin'. <i>Journal of Experimental Botany</i> , 2018 , 69, 681-697	7	18
312	Diterpenoid fingerprints in pine foliage across an environmental and chemotypic matrix: Isoabienol content is a key trait differentiating chemotypes. <i>Phytochemistry</i> , 2018 , 147, 80-88	4	6
311	Changes in photosynthetic rate and stress volatile emissions through desiccation-rehydration cycles in desiccation-tolerant epiphytic filmy ferns (Hymenophyllaceae). <i>Plant, Cell and Environment</i> , 2018 , 41, 1605-1617	8.4	6
310	Shifts in tree functional composition amplify the response of forest biomass to climate. <i>Nature</i> , 2018 , 556, 99-102	50.4	73
309	What Are Plant-Released Biogenic Volatiles and How They Participate in Landscape- to Global-Level Processes? 2018 , 29-56		6
308	Nitrogen-rich organic soils under warm well-drained conditions are global nitrous oxide emission hotspots. <i>Nature Communications</i> , 2018 , 9, 1135	17.4	56
307	Differential regulation of volatile emission from leaves upon single and combined ozone and wounding treatments through recovery and relationships with ozone uptake. <i>Environmental and Experimental Botany</i> , 2018 , 145, 21-38	5.9	29
306	<i>Brevibacterium linens</i> RS16 confers salt tolerance to <i>Oryza sativa</i> genotypes by regulating antioxidant defense and H ATPase activity. <i>Microbiological Research</i> , 2018 , 215, 89-101	5.3	27
305	Methyl salicylate differently affects benzenoid and terpenoid volatile emissions in <i>Betula pendula</i> . <i>Tree Physiology</i> , 2018 , 38, 1513-1525	4.2	9
304	Inoculation of <i>Brevibacterium linens</i> RS16 in <i>Oryza sativa</i> genotypes enhanced salinity resistance: Impacts on photosynthetic traits and foliar volatile emissions. <i>Science of the Total Environment</i> , 2018 , 645, 721-732	10.2	23
303	Temporal regulation of terpene synthase gene expression in leaves upon ozone and wounding stresses: relationships with stomatal ozone uptake and emission responses. <i>Environmental and Experimental Botany</i> , 2018 , 155, 552-565	5.9	11
302	Evidence That Isoprene Emission Is Not Limited by Cytosolic Metabolites. Exogenous Malate Does Not Invert the Reverse Sensitivity of Isoprene Emission to High [CO]. <i>Plant Physiology</i> , 2018 , 176, 1573-1586	6.6	16
301	Nutrient stoichiometry and land use rather than species richness determine plant functional diversity. <i>Ecology and Evolution</i> , 2018 , 8, 601-616	2.8	14
300	Nutrient-rich plants emit a less intense blend of volatile isoprenoids. <i>New Phytologist</i> , 2018 , 220, 773-784	4.8	27
299	Oak gall wasp infections of <i>Quercus robur</i> leaves lead to profound modifications in foliage photosynthetic and volatile emission characteristics. <i>Plant, Cell and Environment</i> , 2018 , 41, 160-175	8.4	23

298	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1906-1917	209
297	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	13.2 58
296	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018 , 562, 57-62	50.4 264
295	Alternative Carbon Sources for Isoprene Emission. <i>Trends in Plant Science</i> , 2018 , 23, 1081-1101	13.1 18
294	Storage of defense metabolites in the leaves of Myrtaceae: news of the eggs in different baskets. <i>Tree Physiology</i> , 2018 , 38, 1445-1450	4.2 7
293	Massive release of volatile organic compounds due to leaf midrib wounding in. <i>Plant Ecology</i> , 2018 , 219, 1021-1028	1.7 10
292	Emissions of carotenoid cleavage products upon heat shock and mechanical wounding from a foliose lichen. <i>Environmental and Experimental Botany</i> , 2017 , 133, 87-97	5.9 18
291	Cell-level anatomical characteristics explain high mesophyll conductance and photosynthetic capacity in sclerophyllous Mediterranean oaks. <i>New Phytologist</i> , 2017 , 214, 585-596	9.8 73
290	Fading of wound-induced volatile release during <i>Populus tremula</i> leaf expansion. <i>Journal of Plant Research</i> , 2017 , 130, 157-165	2.6 11
289	Physiological and structural tradeoffs underlying the leaf economics spectrum. <i>New Phytologist</i> , 2017 , 214, 1447-1463	9.8 222
288	Extremely thick cell walls and low mesophyll conductance: welcome to the world of ancient living!. <i>Journal of Experimental Botany</i> , 2017 , 68, 1639-1653	7 69
287	Genome sequencing and population genomic analyses provide insights into the adaptive landscape of silver birch. <i>Nature Genetics</i> , 2017 , 49, 904-912	36.3 123
286	A roadmap for improving the representation of photosynthesis in Earth system models. <i>New Phytologist</i> , 2017 , 213, 22-42	9.8 245
285	Photosynthesis: ancient, essential, complex, diverse [and in need of improvement in a changing world. <i>New Phytologist</i> , 2017 , 213, 43-47	9.8 21
284	Ozone-induced foliar damage and release of stress volatiles is highly dependent on stomatal openness and priming by low-level ozone exposure in <i>Phaseolus vulgaris</i> . <i>Plant, Cell and Environment</i> , 2017 , 40, 1984-2003	8.4 44
283	Disproportionate photosynthetic decline and inverse relationship between constitutive and induced volatile emissions upon feeding of leaves by large larvae of gypsy moth (<i>P. dispar</i>). <i>Environmental and Experimental Botany</i> , 2017 , 138, 184-192	5.9 23
282	Changes of secondary metabolites in <i>Pinus sylvestris</i> L. needles under increasing soil water deficit. <i>Annals of Forest Science</i> , 2017 , 74, 1	3.1 16
281	Coordinated modifications in mesophyll conductance, photosynthetic potentials and leaf nitrogen contribute to explain the large variation in foliage net assimilation rates across <i>Quercus ilex</i> provenances. <i>Tree Physiology</i> , 2017 , 37, 1084-1094	4.2 20

280	Global climatic drivers of leaf size. <i>Science</i> , 2017 , 357, 917-921	33.3	334
279	Interacting environmental and chemical stresses under global change in temperate aquatic ecosystems: stress responses, adaptation, and scaling. <i>Regional Environmental Change</i> , 2017 , 17, 2061-2077	4.3	16
278	Effects of phosphorus availability on later stages of primary succession in Gongga Mountain glacier retreat area. <i>Environmental and Experimental Botany</i> , 2017 , 141, 103-112	5.9	11
277	Environmental feedbacks in temperate aquatic ecosystems under global change: why do we need to consider chemical stressors?. <i>Regional Environmental Change</i> , 2017 , 17, 2079-2096	4.3	7
276	Generality of relationships between leaf pigment contents and spectral vegetation indices in Mallorca (Spain). <i>Regional Environmental Change</i> , 2017 , 17, 2097-2109	4.3	28
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6	Supplementary material to "Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information"		3
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2	An elliptical blade is not a true ellipse, but a superellipse—evidence from two <i>Michelia</i> species. <i>Journal of Forestry Research</i> , 1	2	3
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