

Nicolas Delpierre

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7615621/nicolas-delpierre-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

58

papers

3,145

citations

26

h-index

56

g-index

69

ext. papers

4,218

ext. citations

7.5

avg, IF

4.66

L-index

#	Paper	IF	Citations
58	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399
57	Evaluation of the potential of MODIS satellite data to predict vegetation phenology in different biomes: An investigation using ground-based NDVI measurements. <i>Remote Sensing of Environment</i> , 2013 , 132, 145-158	13.2	266
56	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020 , 7, 225	8.2	256
55	Assessing the effects of climate change on the phenology of European temperate trees. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 969-980	5.8	234
54	Modelling interannual and spatial variability of leaf senescence for three deciduous tree species in France. <i>Agricultural and Forest Meteorology</i> , 2009 , 149, 938-948	5.8	176
53	Ground-based Network of NDVI measurements for tracking temporal dynamics of canopy structure and vegetation phenology in different biomes. <i>Remote Sensing of Environment</i> , 2012 , 123, 234-245	13.2	139
52	Evaluation of the onset of green-up in temperate deciduous broadleaf forests derived from Moderate Resolution Imaging Spectroradiometer (MODIS) data. <i>Remote Sensing of Environment</i> , 2008 , 112, 2643-2655	13.2	135
51	Temperate and boreal forest tree phenology: from organ-scale processes to terrestrial ecosystem models. <i>Annals of Forest Science</i> , 2016 , 73, 5-25	3.1	132
50	Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , 2010 , 5, 034007	6.2	116
49	Assessing parameter variability in a photosynthesis model within and between plant functional types using global Fluxnet eddy covariance data. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 22-38	5.8	105
48	Predicting climate change impacts on the amount and duration of autumn colors in a New England forest. <i>PLoS ONE</i> , 2013 , 8, e57373	3.7	100
47	Exceptional carbon uptake in European forests during the warm spring of 2007: a data-model analysis. <i>Global Change Biology</i> , 2009 , 15, 1455-1474	11.4	96
46	Wood phenology, not carbon input, controls the interannual variability of wood growth in a temperate oak forest. <i>New Phytologist</i> , 2016 , 210, 459-70	9.8	89
45	Estimating nocturnal ecosystem respiration from the vertical turbulent flux and change in storage of CO ₂ . <i>Agricultural and Forest Meteorology</i> , 2009 , 149, 1919-1930	5.8	87
44	Larger temperature response of autumn leaf senescence than spring leaf-out phenology. <i>Global Change Biology</i> , 2018 , 24, 2159-2168	11.4	62
43	Relationships between photochemical reflectance index and light-use efficiency in deciduous and evergreen broadleaf forests. <i>Remote Sensing of Environment</i> , 2014 , 144, 73-84	13.2	61
42	Spatial variability of soil CO ₂ efflux linked to soil parameters and ecosystem characteristics in a temperate beech forest. <i>Agricultural and Forest Meteorology</i> , 2012 , 154-155, 136-146	5.8	57

41	Warmer winters reduce the advance of tree spring phenology induced by warmer springs in the Alps. <i>Agricultural and Forest Meteorology</i> , 2018 , 252, 220-230	5.8	55
40	Chilling and forcing temperatures interact to predict the onset of wood formation in Northern Hemisphere conifers. <i>Global Change Biology</i> , 2019 , 25, 1089-1105	11.4	44
39	Environmental control of carbon allocation matters for modelling forest growth. <i>New Phytologist</i> , 2017 , 214, 180-193	9.8	42
38	Influence of physiological phenology on the seasonal pattern of ecosystem respiration in deciduous forests. <i>Global Change Biology</i> , 2015 , 21, 363-76	11.4	41
37	Assessing the effects of management on forest growth across France: insights from a new functional-structural model. <i>Annals of Botany</i> , 2014 , 114, 779-93	4.1	32
36	The dynamic of the annual carbon allocation to wood in European tree species is consistent with a combined source-sink limitation of growth: implications for modelling. <i>Biogeosciences</i> , 2015 , 12, 2773-2790	4.6	32
35	Tree phenological ranks repeat from year to year and correlate with growth in temperate deciduous forests. <i>Agricultural and Forest Meteorology</i> , 2017 , 234-235, 1-10	5.8	31
34	Ecosystem transpiration and evaporation: Insights from three water flux partitioning methods across FLUXNET sites. <i>Global Change Biology</i> , 2020 , 26, 6916-6930	11.4	31
33	Antagonistic effects of growing season and autumn temperatures on the timing of leaf coloration in winter deciduous trees. <i>Global Change Biology</i> , 2018 , 24, 3537-3545	11.4	26
32	Linking intra-seasonal variations in climate and tree-ring $\delta^{13}C$: A functional modelling approach. <i>Ecological Modelling</i> , 2010 , 221, 1779-1797	3	25
31	Assessing the roles of temperature, carbon inputs and airborne pollen as drivers of fructification in European temperate deciduous forests. <i>European Journal of Forest Research</i> , 2018 , 137, 349-365	2.7	22
30	Forest summer albedo is sensitive to species and thinning: how should we account for this in Earth system models?. <i>Biogeosciences</i> , 2014 , 11, 2411-2427	4.6	22
29	Detecting the critical periods that underpin interannual fluctuations in the carbon balance of European forests. <i>Journal of Geophysical Research</i> , 2010 , 115,		21
28	Coupling Water and Carbon Fluxes to Constrain Estimates of Transpiration: The TEA Algorithm. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 3617-3632	3.7	21
27	Nutrient availability alters the correlation between spring leaf-out and autumn leaf senescence dates. <i>Tree Physiology</i> , 2019 , 39, 1277-1284	4.2	16
26	Climate and atmosphere simulator for experiments on ecological systems in changing environments. <i>Environmental Science & Technology</i> , 2014 , 48, 8744-53	10.3	15
25	Seasonal changes in carbon and nitrogen compound concentrations in a <i>Quercus petraea</i> chronosequence. <i>Tree Physiology</i> , 2014 , 34, 716-29	4.2	15
24	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021 , 13, 2607-2649	10.5	13

23	Carbon-nitrogen interactions in European forests and semi-natural vegetation [Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. <i>Biogeosciences</i> , 2020 , 17, 1583-1620	4.6	12
22	Modelling leaf coloration dates over temperate China by considering effects of leafy season climate. <i>Ecological Modelling</i> , 2019 , 394, 34-43	3	12
21	Covariations between plant functional traits emerge from constraining parameterization of a terrestrial biosphere model. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1351-1365	6.1	11
20	Soil sampling and preparation for monitoring soil carbon. <i>International Agrophysics</i> , 2018 , 32, 633-643	2	9
19	A new probabilistic canopy dynamics model (SLCD) that is suitable for evergreen and deciduous forest ecosystems. <i>Ecological Modelling</i> , 2014 , 290, 121-133	3	8
18	The within-population variability of leaf spring and autumn phenology is influenced by temperature in temperate deciduous trees. <i>International Journal of Biometeorology</i> , 2021 , 65, 369-379	3.7	8
17	The 2018 European heatwave led to stem dehydration but not to consistent growth reductions in forests.. <i>Nature Communications</i> , 2022 , 13, 28	17.4	7
16	Cross-biome synthesis of source versus sink limits to tree growth.. <i>Science</i> , 2022 , 376, 758-761	33.3	7
15	Global transpiration data from sap flow measurements: the SAPFLUXNET database		6
14	"Green pointillism": detecting the within-population variability of budburst in temperate deciduous trees with phenological cameras. <i>International Journal of Biometeorology</i> , 2020 , 64, 663-670	3.7	5
13	Potential of C-band Synthetic Aperture Radar Sentinel-1 time-series for the monitoring of phenological cycles in a deciduous forest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 104, 102505	7.3	5
12	Interaction of drought and frost in tree ecophysiology: rethinking the timing of risks. <i>Annals of Forest Science</i> , 2021 , 78, 1	3.1	4
11	Drought elicits contrasting responses on the autumn dynamics of wood formation in late successional deciduous tree species. <i>Tree Physiology</i> , 2021 , 41, 1171-1185	4.2	4
10	Globally, tree fecundity exceeds productivity gradients.. <i>Ecology Letters</i> , 2022 ,	10	4
9	A survey of proximal methods for monitoring leaf phenology in temperate deciduous forests. <i>Biogeosciences</i> , 2021 , 18, 3391-3408	4.6	3
8	Potassium limitation of wood productivity: A review of elementary processes and ways forward to modelling illustrated by Eucalyptus plantations. <i>Forest Ecology and Management</i> , 2021 , 494, 119275	3.9	3
7	Environmental control of land-atmosphere CO2 fluxes from temperate ecosystems: a statistical approach based on homogenized time series from five land-use types. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2020 , 72, 1-25	3.3	2
6	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery.. <i>Nature Communications</i> , 2022 , 13, 2381	17.4	2

5	Higher sample sizes and observer inter-calibration are needed for reliable scoring of leaf phenology in trees. <i>Journal of Ecology</i> , 2021 , 109, 2461-2474	6	1
4	Drought-induced decoupling between carbon uptake and tree growth impacts forest carbon turnover time. <i>Agricultural and Forest Meteorology</i> , 2022 , 322, 108996	5.8	1
3	Spring phenology in subtropical trees: Developing process-based models on an experimental basis. <i>Agricultural and Forest Meteorology</i> , 2022 , 314, 108802	5.8	0
2	Budburst date of <i>Quercus petraea</i> is delayed in mixed stands with <i>Pinus sylvestris</i> . <i>Agricultural and Forest Meteorology</i> , 2021 , 300, 108326	5.8	0
1	Contribution of deep soil layers to the transpiration of a temperate deciduous forest: Implications for the modelling of productivity.. <i>Science of the Total Environment</i> , 2022 , 155981	10.2	0