

Matthias Haeni

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,345
citations

394421

19
h-index

395702

33
g-index

33
all docs

33
docs citations

33
times ranked

3747
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought reduces water uptake in beech from the drying topsoil, but no compensatory uptake occurs from deeper soil layers. <i>New Phytologist</i> , 2022, 233, 194-206.	7.3	51
2	Tree allocation dynamics beyond heat and hot drought stress reveal changes in carbon storage, belowground translocation and growth. <i>New Phytologist</i> , 2022, 233, 687-704.	7.3	17
3	Lessons learned from a long-term irrigation experiment in a dry Scots pine forest: Impacts on traits and functioning. <i>Ecological Monographs</i> , 2022, 92, e1507.	5.4	15
4	Disentangling carbon uptake and allocation in the stems of a spruce forest. <i>Environmental and Experimental Botany</i> , 2022, 196, 104787.	4.2	16
5	In situ ¹³ C labeling reveals that alpine treeline trees allocate less photoassimilates to roots compared with low-elevation trees. <i>Tree Physiology</i> , 2022, , .	3.1	3
6	There Is No Carbon Transfer Between Scots Pine and Pine Mistletoe but the Assimilation Capacity of the Hemiparasite Is Constrained by Host Water Use Under Dry Conditions. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	2
7	From the comfort zone to crown dieback: Sequence of physiological stress thresholds in mature European beech trees across progressive drought. <i>Science of the Total Environment</i> , 2021, 753, 141792.	8.0	85
8	Root carbon and nutrient homeostasis determines downy oak sapling survival and recovery from drought. <i>Tree Physiology</i> , 2021, 41, 1400-1412.	3.1	19
9	Processing and Extraction of Seasonal Tree Physiological Parameters from Stem Radius Time Series. <i>Forests</i> , 2021, 12, 765.	2.1	27
10	Why trees grow at night. <i>New Phytologist</i> , 2021, 231, 2174-2185.	7.3	98
11	TreeNetâ€”The Biological Drought and Growth Indicator Network. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	13
12	Rhizosphere activity in an old-growth forest reacts rapidly to changes in soil moisture and shapes whole-tree carbon allocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24885-24892.	7.1	50
13	Growth and resilience responses of Scots pine to extreme droughts across Europe depend on predrought growth conditions. <i>Global Change Biology</i> , 2020, 26, 4521-4537.	9.5	105
14	Extreme summer heat and drought lead to early fruit abortion in European beech. <i>Scientific Reports</i> , 2020, 10, 5334.	3.3	31
15	Determinants of legacy effects in pine trees â€” implications from an irrigationâ€”stop experiment. <i>New Phytologist</i> , 2020, 227, 1081-1096.	7.3	52
16	Wood Growth in Pure and Mixed <i>Quercus ilex</i> L. Forests: Drought Influence Depends on Site Conditions. <i>Frontiers in Plant Science</i> , 2019, 10, 397.	3.6	26
17	Competition for water in a xeric forest ecosystem â€” Effects of understory removal on soil micro-climate, growth and physiology of dominant Scots pine trees. <i>Forest Ecology and Management</i> , 2018, 409, 241-249.	3.2	52
18	Meteorological data series from Swiss long-term forest ecosystem research plots since 1997. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	7

#	ARTICLE	IF	CITATIONS
19	Night and day “ Circadian regulation of night-time dark respiration and light-enhanced dark respiration in plant leaves and canopies. <i>Environmental and Experimental Botany</i> , 2017, 137, 14-25.	4.2	23
20	The fate of recently fixed carbon after drought release: towards unravelling C storage regulation in <i>Tilia platyphyllos</i> and <i>Pinus sylvestris</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 1711-1724.	5.7	96
21	Winter respiratory C losses provide explanatory power for net ecosystem productivity. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2017, 122, 243-260.	3.0	7
22	Allometric equations for integrating remote sensing imagery into forest monitoring programmes. <i>Global Change Biology</i> , 2017, 23, 177-190.	9.5	254
23	Are trees able to grow in periods of stem shrinkage?. <i>New Phytologist</i> , 2016, 211, 839-849.	7.3	166
24	Impact of interspecific competition and drought on the allocation of new assimilates in trees. <i>Plant Biology</i> , 2016, 18, 785-796.	3.8	60
25	Publicity, economics and weather “ Changes in visitor numbers to a European National Park over 8 years. <i>Journal of Outdoor Recreation and Tourism</i> , 2016, 16, 50-57.	2.9	12
26	NEP of a Swiss subalpine forest is significantly driven not only by current but also by previous year's weather. <i>Biogeosciences</i> , 2014, 11, 1627-1635.	3.3	47
27	Drought response of mesophyll conductance in forest understory species - impacts on water-use efficiency and interactions with leaf water movement. <i>Physiologia Plantarum</i> , 2014, 152, 98-114.	5.2	44
28	Drought response of five conifer species under contrasting water availability suggests high vulnerability of Norway spruce and European larch. <i>Global Change Biology</i> , 2013, 19, 3184-3199.	9.5	268
29	Nutrients or Pollutants? Nitrogen Deposition to European Forests. <i>Developments in Environmental Science</i> , 2013, 13, 37-56.	0.5	10
30	Contrasting response of grassland versus forest carbon and water fluxes to spring drought in Switzerland. <i>Environmental Research Letters</i> , 2013, 8, 035007.	5.2	108
31	Reply to Leifeld et al.: Enhanced top soil carbon stocks under organic farming is not equated with climate change mitigation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E985.	7.1	13
32	Enhanced top soil carbon stocks under organic farming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18226-18231.	7.1	559