

Benjamin D Hesse

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

256
citations

1040056

9
h-index

1281871

11
g-index

19
all docs

19
docs citations

19
times ranked

369
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-drought hydraulic recovery is accompanied by non-structural carbohydrate depletion in the stem wood of Norway spruce saplings. <i>Scientific Reports</i> , 2017, 7, 14308.	3.3	55
2	Repeated summer drought delays sugar export from the leaf and impairs phloem transport in mature beech. <i>Tree Physiology</i> , 2019, 39, 192-200.	3.1	40
3	The Kroof experiment: realization and efficacy of a recurrent drought experiment plus recovery in a beech/spruce forest. <i>Ecosphere</i> , 2021, 12, e03399.	2.2	39
4	Acclimation of branch and leaf hydraulics in adult <i>Fagus sylvatica</i> and <i>Picea abies</i> in a forest through-fall exclusion experiment. <i>Tree Physiology</i> , 2018, 38, 198-211.	3.1	37
5	Close to the edge: effects of repeated severe drought on stem hydraulics and non-structural carbohydrates in European beech saplings. <i>Tree Physiology</i> , 2019, 39, 717-728.	3.1	24
6	Friendly neighbours: Hydraulic redistribution accounts for one quarter of water used by neighbouring drought stressed tree saplings. <i>Plant, Cell and Environment</i> , 2021, 44, 1243-1256.	5.7	14
7	Water potential gradient, root conduit size and root xylem hydraulic conductivity determine the extent of hydraulic redistribution in temperate trees. <i>Functional Ecology</i> , 2020, 34, 561-574.	3.6	13
8	Mature beech and spruce trees under drought “ Higher C investment in reproduction at the expense of whole-tree NSC stores. <i>Environmental and Experimental Botany</i> , 2021, 191, 104615.	4.2	11
9	Responses of species-specific sap flux, transpiration and water use efficiency of pine, spruce and birch trees to temporarily moderate dry periods in mixed forests at a dry and wet forest site in the hemi-boreal zone. <i>J Agricultural Meteorology</i> , 2019, 75, 13-29.	1.5	9
10	No xylem phenotypic plasticity in mature <i>Picea abies</i> and <i>Fagus sylvatica</i> trees after 5 years of throughfall precipitation exclusion. <i>Global Change Biology</i> , 2022, 28, 4668-4683.	9.5	6
11	High resilience of carbon transport in long-term drought-stressed mature Norway spruce trees within 2 weeks after drought release. <i>Global Change Biology</i> , 2022, 28, 2095-2110.	9.5	4
12	Reverse conductivity for water transport and related anatomy in fine roots of six temperate tree species “ a potential limitation for hydraulic redistribution. <i>The Journal of Plant Hydraulics</i> , 0, 6, .	1.0	2
13	The Efficiency of Plant Defense: Aphid Pest Pressure Does Not Alter Production of Food Rewards by Okra Plants in Ant Presence. <i>Frontiers in Plant Science</i> , 2021, 12, 627570.	3.6	1
14	The Kroof Experiment “Realization and Efficacy of a Recurrent Drought Experiment and Recovery in a Beech/Spruce Forest. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01862.	0.2	0