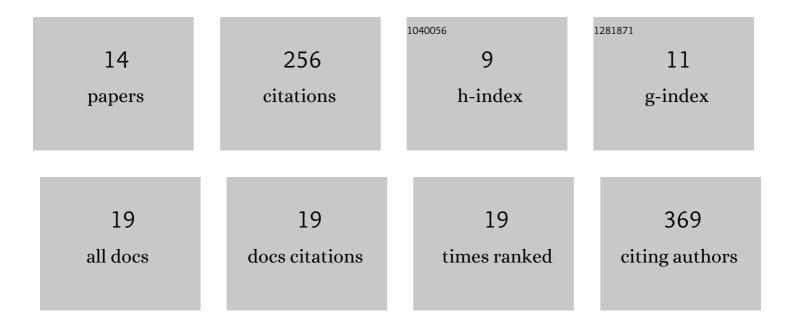
## Benjamin D Hesse

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7714247/publications.pdf Version: 2024-02-01



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