Solveig Franziska Bucher

List of Publications by Year
in descending order

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25 papers	1,436 citations	687363 13 h-index	677142 22 g-index
26 all docs	26 docs citations	26 times ranked	3794 citing authors

#	Article	IF	Citations
1	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
2	Traits and climate are associated with first flowering day in herbaceous species along elevational gradients. Ecology and Evolution, 2018, 8, 1147-1158.	1.9	43
3	Inter- and intraspecific variation in stomatal pore area index along elevational gradients and its relation to leaf functional traits. Plant Ecology, 2016, 217, 229-240.	1.6	39
4	Stomatal traits relate to habitat preferences of herbaceous species in a temperate climate. Flora: Morphology, Distribution, Functional Ecology of Plants, 2017, 229, 107-115.	1.2	38
5	Flowering patterns change along elevational gradients and relate to life-history strategies in 29 herbaceous species. Alpine Botany, 2020, 130, 41-58.	2.4	31
6	Plant functional traits â€“ fixed facts or variable depending on the season?. Folia Geobotanica, 2016, 51, 143-159.	0.9	27
7	Nutrients and water availability constrain the seasonality of vegetation activity in a Mediterranean ecosystem. Global Change Biology, 2020, 26, 4379-4400.	9.5	27
8	The timing of leaf senescence relates to flowering phenology and functional traits in 17 herbaceous species along elevational gradients. Journal of Ecology, 2021, 109, 1537-1548.	4.0	25
9	Recovery of Mediterranean steppe vegetation after cultivation: Legacy effects on plant composition, soil properties and functional traits. Applied Vegetation Science, 2019, 22, 71-84.	1.9	24
10	Temporal and spatial trade-offs between resistance and performance traits in herbaceous plant species. Environmental and Experimental Botany, 2019, 157, 187-196.	4.2	24
11	Megaherbivores and cattle alter edge effects around ecosystem hotspots in an African savanna. Journal of Arid Environments, 2013, 96, 55-63.	2.4	23
12	The PhenObs initiative: A standardised protocol for monitoring phenological responses to climate change using herbaceous plant species in botanical gardens. Functional Ecology, 2021, 35, 821-834.	3.6	23
13	Chlorophyll fluorescence and gas exchange measurements in field research: an ecological case study. Photosynthetica, 2018, 56, 1161-1170.	1.7	20
14	Functional traits influence patterns in vegetative and reproductive plant phenology â€“ a multiâ€botanical garden study. New Phytologist, 2022, 235, 2199-2210.	7.3	13
15	Invertebrate Decline Leads to Shifts in Plant Species Abundance and Phenology. Frontiers in Plant Science, 2020, 11, 542125.	3.6	12
16	Special issue in honour of Prof. Reto J. StrasserÂ-ÂSeasonal variation and trade-off between frost resistance and photosynthetic performance in woody species. Photosynthetica, 2020, 58, 331-340.	1.7	6
17	Foliar summer frost resistance measured via electrolyte leakage approach as related to plant distribution, community composition and plant traits. Functional Ecology, 2021, 35, 590-600.	3.6	5
18	Is the Seasonal Variation in Frost Resistance and Plant Performance in Four Oak Species Affected by Changing Temperatures?. Forests, 2021, 12, 369.	2.1	3

#	Article	IF	Citations
19	Towards Confirmable Automated Plant Cover Determination. Lecture Notes in Computer Science, 2020, , 312-329.	1.3	3
20	Weakly Supervised Segmentation Pretraining forÂPlant Cover Prediction. Lecture Notes in Computer Science, 2021, , 589-603.	1.3	3
21	Evergreen broadleaf greenness and its relationship with leaf flushing, aging, and water fluxes. Agricultural and Forest Meteorology, 2022, 323, 109060.	4.8	3
22	Abiotic site conditions affect photosynthesis rates by changing leaf functional traits. Basic and Applied Ecology, 2021, , .	2.7	2
23	A virtual â€œWerkstattâ€•for digitization in the sciences. Research Ideas and Outcomes, 0, 6, .	1.0	2
24	Ecological Impacts of Megaprojects: Species Succession and Functional Composition. Plants, 2021, 10, 2411.	3.5	2
25	Assessing sustainable use of wild medicinal plants: a case study in the Naban River Watershed National Nature Reserve (NRWNNR), Yunnan/China. Ethnobotany Research and Applications, 2020, 19, .	0.6	0