Sophia Etzold

List of Publications by Year
in descending order

24 papers	1,093 citations	471509 17 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	2109 citing authors

#	Article	IF	Citations
1	Variation in Leaf Morphological Traits of European Beech and Norway Spruce Over Two Decades in Switzerland. Frontiers in Forests and Global Change, 2022, 4, .	2.3	7
2	Lessons learned from a longâ€‐term irrigation experiment in a dry Scots pine forest: Impacts on traits and functioning. Ecological Monographs, 2022, 92, e1507.	5.4	15
3	Number of growth days and not length of the growth period determines radial stem growth of temperate trees. Ecology Letters, 2022, 25, 427-439.	6.4	58
4	Why trees grow at night. New Phytologist, 2021, 231, 2174-2185.	7.3	98
5	Contrasting Resource Dynamics in Mast Years for European Beech and Oakâ€”A Continental Scale Analysis. Frontiers in Forests and Global Change, 2021, 4, .	2.3	16
6	Climate sensitivity and drought seasonality determine post-drought growth recovery of Quercus petraea and Quercus robur in Europe. Science of the Total Environment, 2021, 784, 147222.	8.0	61
7	TreeNetâ€“The Biological Drought and Growth Indicator Network. Frontiers in Forests and Global Change, 2021, 4, .	2.3	13
8	Towards comparable assessment of the soil nutrient status across scalesâ€”Review and development of nutrient metrics. Global Change Biology, 2020, 26, 392-409.	9.5	37
9	Nitrogen deposition is the most important environmental driver of growth of pure, even-aged and managed European forests. Forest Ecology and Management, 2020, 458, 117762.	3.2	102
10	Physiological response of Swiss ecosystems to 2018 drought across plant types and elevation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190521.	4.0	42
11	Determinants of legacy effects in pine trees â€“ implications from an irrigationâ€stop experiment. New Phytologist, 2020, 227, 1081-1096.	7.3	52
12	One Century of Forest Monitoring Data in Switzerland Reveals Species- and Site-Specific Trends of Climate-Induced Tree Mortality. Frontiers in Plant Science, 2019, 10, 307.	3.6	67
13	High growth potential of Ailanthus altissima in warm and dry weather conditions in novel forests of southern Switzerland. Trees - Structure and Function, 2019, 33, 395-409.	1.9	7
14	Trends in soil solution dissolved organic carbon (DOC) concentrations across European forests. Biogeosciences, 2016, 13, 5567-5585.	3.3	23
15	Patterns of mast fruiting of common beech, sessile and common oak, Norway spruce and Scots pine in Central and Northern Europe. Forest Ecology and Management, 2016, 363, 237-251.	3.2	57
16	Exceedance of critical loads and of critical limits impacts tree nutrition across Europe. Annals of Forest Science, 2015, 72, 929-939.	2.0	39
17	Increasing relevance of spring temperatures for Norway spruce trees in Davos, Switzerland, after the 1950s. Trees - Structure and Function, 2014, 28, 183-191.	1.9	8
18	Tree growth in Swiss forests between 1995 and 2010 in relation to climate and stand conditions: Recent disturbances matter. Forest Ecology and Management, 2014, 311, 41-55.	3.2	47

#	Article	IF	Citations
19	A Datalog+ RuleML 1.01 Architecture for Rule-Based Data Access in Ecosystem Research. Lecture Notes in Computer Science, 2014, , 112-126.	1.3	1
20	Longâ€term stem <scp>CO</scp>₂ concentration measurements in <scp>N</scp>orway spruce in relation to biotic and abiotic factors. New Phytologist, 2013, 197, 1173-1184.	7.3	41
21	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. New Phytologist, 2012, 194, 775-783.	7.3	111
22	Vegetation dynamics of endemicâ€rich quartz fields in the Succulent Karoo, South Africa, in response to recent climatic trends. Journal of Vegetation Science, 2012, 23, 292-303.	2.2	20
23	The Carbon Balance of Two Contrasting Mountain Forest Ecosystems in Switzerland: Similar Annual Trends, but Seasonal Differences. Ecosystems, 2011, 14, 1289-1309.	3.4	80
24	Estimating nocturnal ecosystem respiration from the vertical turbulent flux and change in storage of CO2. Agricultural and Forest Meteorology, 2009, 149, 1919-1930.	4.8	91