

Sophia Etzold

List of Publications by Year in descending order

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Version: 2024-02-01

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	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , 2012, 194, 775-783.	7.3	111
2	Nitrogen deposition is the most important environmental driver of growth of pure, even-aged and managed European forests. <i>Forest Ecology and Management</i> , 2020, 458, 117762.	3.2	102
3	Why trees grow at night. <i>New Phytologist</i> , 2021, 231, 2174-2185.	7.3	98
4	Estimating nocturnal ecosystem respiration from the vertical turbulent flux and change in storage of CO ₂ . <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1919-1930.	4.8	91
5	The Carbon Balance of Two Contrasting Mountain Forest Ecosystems in Switzerland: Similar Annual Trends, but Seasonal Differences. <i>Ecosystems</i> , 2011, 14, 1289-1309.	3.4	80
6	One Century of Forest Monitoring Data in Switzerland Reveals Species- and Site-Specific Trends of Climate-Induced Tree Mortality. <i>Frontiers in Plant Science</i> , 2019, 10, 307.	3.6	67
7	Climate sensitivity and drought seasonality determine post-drought growth recovery of <i>Quercus petraea</i> and <i>Quercus robur</i> in Europe. <i>Science of the Total Environment</i> , 2021, 784, 147222.	8.0	61
8	Number of growth days and not length of the growth period determines radial stem growth of temperate trees. <i>Ecology Letters</i> , 2022, 25, 427-439.	6.4	58
9	Patterns of mast fruiting of common beech, sessile and common oak, Norway spruce and Scots pine in Central and Northern Europe. <i>Forest Ecology and Management</i> , 2016, 363, 237-251.	3.2	57
10	Determinants of legacy effects in pine trees – implications from an irrigation stop experiment. <i>New Phytologist</i> , 2020, 227, 1081-1096.	7.3	52
11	Tree growth in Swiss forests between 1995 and 2010 in relation to climate and stand conditions: Recent disturbances matter. <i>Forest Ecology and Management</i> , 2014, 311, 41-55.	3.2	47
12	Physiological response of Swiss ecosystems to 2018 drought across plant types and elevation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190521.	4.0	42
13	Long-term stem CO ₂ concentration measurements in Norway spruce in relation to biotic and abiotic factors. <i>New Phytologist</i> , 2013, 197, 1173-1184.	7.3	41
14	Exceedance of critical loads and of critical limits impacts tree nutrition across Europe. <i>Annals of Forest Science</i> , 2015, 72, 929-939.	2.0	39
15	Towards comparable assessment of the soil nutrient status across scales – Review and development of nutrient metrics. <i>Global Change Biology</i> , 2020, 26, 392-409.	9.5	37
16	Trends in soil solution dissolved organic carbon (DOC) concentrations across European forests. <i>Biogeosciences</i> , 2016, 13, 5567-5585.	3.3	23
17	Vegetation dynamics of endemic rich quartz fields in the Succulent Karoo, South Africa, in response to recent climatic trends. <i>Journal of Vegetation Science</i> , 2012, 23, 292-303.	2.2	20
18	Contrasting Resource Dynamics in Mast Years for European Beech and Oak – A Continental Scale Analysis. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	16

#	ARTICLE	IF	CITATIONS
19	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
20	TreeNet – The Biological Drought and Growth Indicator Network. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	13
21	Increasing relevance of spring temperatures for Norway spruce trees in Davos, Switzerland, after the 1950s. <i>Trees - Structure and Function</i> , 2014, 28, 183-191.	1.9	8
22	High growth potential of <i>Ailanthus altissima</i> in warm and dry weather conditions in novel forests of southern Switzerland. <i>Trees - Structure and Function</i> , 2019, 33, 395-409.	1.9	7
23	Variation in Leaf Morphological Traits of European Beech and Norway Spruce Over Two Decades in Switzerland. <i>Frontiers in Forests and Global Change</i> , 2022, 4, .	2.3	7
24	A Datalog+ RuleML 1.01 Architecture for Rule-Based Data Access in Ecosystem Research. <i>Lecture Notes in Computer Science</i> , 2014, , 112-126.	1.3	1