

Arne Verstraeten

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,845
citations

471509

17
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

2948
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulating tree growth response to climate change in structurally diverse oak and beech forests. <i>Science of the Total Environment</i> , 2022, 806, 150422.	8.0	15
2	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
3	Accurate Measurements of Forest Soil Water Content Using FDR Sensors Require Empirical In Situ (Re)Calibration. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11620.	2.5	3
4	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
5	Weather, pollution and biotic factors drive net forest - atmosphere exchange of CO ₂ at different temporal scales in a temperate-zone mixed forest. <i>Agricultural and Forest Meteorology</i> , 2020, 291, 108059.	4.8	7
6	Responses of forest ecosystems in Europe to decreasing nitrogen deposition. <i>Environmental Pollution</i> , 2019, 244, 980-994.	7.5	132
7	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018, 628-629, 1369-1394.	8.0	177
8	Quantifying Carbon and Nutrient Input From Litterfall in European Forests Using Field Observations and Modeling. <i>Global Biogeochemical Cycles</i> , 2018, 32, 784-798.	4.9	77
9	The response of soil solution chemistry in European forests to decreasing acid deposition. <i>Global Change Biology</i> , 2018, 24, 3603-3619.	9.5	77
10	Variability of Ozone Deposition Velocity Over a Mixed Suburban Temperate Forest. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	7
11	Impact of weather cues and resource dynamics on mast occurrence in the main forest tree species in Europe. <i>Forest Ecology and Management</i> , 2018, 429, 336-350.	3.2	50
12	Environment and host as large-scale controls of ectomycorrhizal fungi. <i>Nature</i> , 2018, 558, 243-248.	27.8	282
13	Multiple nitrogen saturation indicators yield contradicting conclusions on improving nitrogen status of temperate forests. <i>Ecological Indicators</i> , 2017, 82, 451-462.	6.3	14
14	Trends in soil solution dissolved organic carbon (DOC) concentrations across European forests. <i>Biogeosciences</i> , 2016, 13, 5567-5585.	3.3	23
15	Increasing trends of dissolved organic nitrogen (DON) in temperate forests under recovery from acidification in Flanders, Belgium. <i>Science of the Total Environment</i> , 2016, 553, 107-119.	8.0	19
16	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
17	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
18	Strong negative impacts of whole tree harvesting in pine stands on poor, sandy soils: A long-term nutrient budget modelling approach. <i>Forest Ecology and Management</i> , 2015, 356, 101-111.	3.2	29

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19	Tree mineral nutrition is deteriorating in Europe. <i>Global Change Biology</i> , 2015, 21, 418-430.	9.5	281
20	Impact of air-borne or canopy-derived dissolved organic carbon (DOC) on forest soil solution DOC in Flanders, Belgium. <i>Atmospheric Environment</i> , 2014, 83, 155-165.	4.1	15
21	Detection of temporal trends in atmospheric deposition of inorganic nitrogen and sulphate to forests in Europe. <i>Atmospheric Environment</i> , 2014, 95, 363-374.	4.1	144
22	Environmental drivers of ectomycorrhizal communities in Europe's temperate oak forests. <i>Molecular Ecology</i> , 2014, 23, 5628-5644.	3.9	146
23	Biometric and eddy covariance-based assessment of decadal carbon sequestration of a temperate Scots pine forest. <i>Agricultural and Forest Meteorology</i> , 2013, 174-175, 135-143.	4.8	38
24	Influence of canopy budget model approaches on atmospheric deposition estimates to forests. <i>Biogeochemistry</i> , 2013, 116, 215-229.	3.5	17
25	Impact of declining atmospheric deposition on forest soil solution chemistry in Flanders, Belgium. <i>Atmospheric Environment</i> , 2012, 62, 50-63.	4.1	47
26	Clear-felling effects on colonization rates of shade-tolerant forest herbs into a post-agricultural forest adjacent to ancient forest. <i>Applied Vegetation Science</i> , 2011, 14, 75-83.	1.9	22