

Volodymyr Trotsiuk

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

5,393
citations

201674

27
h-index

128289

60
g-index

62
all docs

62
docs citations

62
times ranked

8540
citing authors

#	ARTICLE	IF	CITATIONS
1	Historical mixed-severity disturbances shape current diameter distributions of primary temperate Norway spruce mountain forests in Europe. <i>Forest Ecology and Management</i> , 2022, 503, 119772.	3.2	8
2	The 2018 European heatwave led to stem dehydration but not to consistent growth reductions in forests. <i>Nature Communications</i> , 2022, 13, 28.	12.8	66
3	Climate-change-driven growth decline of European beech forests. <i>Communications Biology</i> , 2022, 5, 163.	4.4	89
4	Jet stream position explains regional anomalies in European beech forest productivity and tree growth. <i>Nature Communications</i> , 2022, 13, 2015.	12.8	8
5	Soil-plant interactions modulated water availability of Swiss forests during the 2015 and 2018 droughts. <i>Global Change Biology</i> , 2022, 28, 5928-5944.	9.5	13
6	Historical Disturbances Determine Current Taxonomic, Functional and Phylogenetic Diversity of Saproxyllic Beetle Communities in Temperate Primary Forests. <i>Ecosystems</i> , 2021, 24, 37-55.	3.4	35
7	Natural dynamics of temperate mountain beech-dominated primary forests in Central Europe. <i>Forest Ecology and Management</i> , 2021, 479, 118522.	3.2	21
8	Historical natural disturbances shape spruce primary forest structure and indirectly influence bird assemblage composition. <i>Forest Ecology and Management</i> , 2021, 481, 118647.	3.2	12
9	Calibration of the process-based model 3-PG for major central European tree species. <i>European Journal of Forest Research</i> , 2021, 140, 847-868.	2.5	18
10	Tree growth in Switzerland is increasingly constrained by rising evaporative demand. <i>Journal of Ecology</i> , 2021, 109, 2981-2990.	4.0	22
11	Effects of climate on the growth of Swiss uneven-aged forests: Combining >100 years of observations with the 3-PG model. <i>Forest Ecology and Management</i> , 2021, 494, 119271.	3.2	17
12	Disturbance history is a key driver of tree life span in temperate primary forests. <i>Journal of Vegetation Science</i> , 2021, 32, e13069.	2.2	13
13	Natural disturbance impacts on trade-offs and co-benefits of forest biodiversity and carbon. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211631.	2.6	19
14	TreeNet – The Biological Drought and Growth Indicator Network. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	13
15	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
16	Biomass carbon accumulation patterns throughout stand development in primary uneven-aged forest driven by mixed-severity natural disturbances. <i>Forest Ecology and Management</i> , 2020, 455, 117676.	3.2	9
17	Contrasting patterns of natural mortality in primary <i>Picea</i> forests of the Carpathian Mountains. <i>Forest Ecology and Management</i> , 2020, 457, 117734.	3.2	16
18	r3PG – An R package for simulating forest growth using the 3-PG process-based model. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1470-1475.	5.2	24

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19	Quantifying Natural Disturbances Using a Large-scale Dendrochronological Reconstruction to Guide Forest Management. <i>Bulletin of the Ecological Society of America</i> , 2020, 101, e01759.	0.2	2
20	Advancing simulations of water fluxes, soil moisture and drought stress by using the LWF-Brook90 hydrological model in R. <i>Agricultural and Forest Meteorology</i> , 2020, 291, 108023.	4.8	16
21	Quantifying natural disturbances using a large-scale dendrochronological reconstruction to guide forest management. <i>Ecological Applications</i> , 2020, 30, e02189.	3.8	27
22	Climatic drivers of <i>Picea</i> growth differ during recruitment and interact with disturbance severity to influence rates of canopy replacement. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107981.	4.8	9
23	Axial changes in wood functional traits have limited net effects on stem biomass increment in European beech (<i>Fagus sylvatica</i>). <i>Tree Physiology</i> , 2020, 40, 498-510.	3.1	8
24	Assessing the response of forest productivity to climate extremes in Switzerland using model-data fusion. <i>Global Change Biology</i> , 2020, 26, 2463-2476.	9.5	54
25	Multi-aged micro-neighborhood patches challenge the forest cycle model in primeval European beech. <i>IForest</i> , 2020, 13, 209-214.	1.4	4
26	Primary forest distribution and representation in a Central European landscape: Results of a large-scale field-based census. <i>Forest Ecology and Management</i> , 2019, 449, 117466.	3.2	45
27	Drivers of basal area variation across primary late-successional <i>Picea abies</i> forests of the Carpathian Mountains. <i>Forest Ecology and Management</i> , 2019, 435, 196-204.	3.2	19
28	Precipitation mediates sap flux sensitivity to evaporative demand in the neotropics. <i>Oecologia</i> , 2019, 191, 519-530.	2.0	14
29	The climatic drivers of primary <i>Picea</i> forest growth along the Carpathian arc are changing under rising temperatures. <i>Global Change Biology</i> , 2019, 25, 3136-3150.	9.5	45
30	Increased sensitivity to drought across successional stages in natural Norway spruce (<i>Picea abies</i> (L.) Mill.) forests. <i>Global Change Biology</i> , 2019, 25, 3151-3160.	1.9	10
31	Disentangling the multi-faceted growth patterns of primary <i>Picea abies</i> forests in the Carpathian arc. <i>Agricultural and Forest Meteorology</i> , 2019, 271, 214-224.	4.8	20
32	A climate-sensitive forest model for assessing impacts of forest management in Europe. <i>Environmental Modelling and Software</i> , 2019, 115, 128-143.	4.5	41
33	Patterns of forest dynamics in a secondary old-growth beech-dominated forest in the Jizera Mountains Beech Forest Reserve, Czech Republic. <i>IForest</i> , 2019, 12, 17-26.	1.4	7
34	Large-scale disturbance legacies and the climate sensitivity of primary <i>Picea abies</i> forests. <i>Global Change Biology</i> , 2018, 24, 2169-2181.	9.5	79
35	Contrasting effects of environmental change on the radial growth of co-occurring beech and fir trees across Europe. <i>Science of the Total Environment</i> , 2018, 615, 1460-1469.	8.0	80
36	Testing the efficacy of tree-ring methods for detecting past disturbances. <i>Forest Ecology and Management</i> , 2018, 425, 59-67.	3.2	40

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37	A Combined Tree Ring and Vegetation Model Assessment of European Forest Growth Sensitivity to Interannual Climate Variability. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1226-1240.	4.9	54
38	Profile of tree-related microhabitats in European primary beech-dominated forests. <i>Forest Ecology and Management</i> , 2018, 429, 363-374.	3.2	45
39	Influence of sampling and disturbance history on climatic sensitivity of temperature-limited conifers. <i>Holocene</i> , 2018, 28, 1574-1587.	1.7	26
40	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. <i>Frontiers in Plant Science</i> , 2018, 9, 1964.	3.6	117
41	Old trees as a key source of epiphytic lichen persistence and spatial distribution in mountain Norway spruce forests. <i>Biodiversity and Conservation</i> , 2017, 26, 1943-1958.	2.6	13
42	Forest disturbances under climate change. <i>Nature Climate Change</i> , 2017, 7, 395-402.	18.8	1,561
43	Mixed-severity natural disturbances promote the occurrence of an endangered umbrella species in primary forests. <i>Forest Ecology and Management</i> , 2017, 405, 210-218.	3.2	35
44	Long-term responses of canopy-understorey interactions to disturbance severity in primary <i>Picea abies</i> forests. <i>Journal of Vegetation Science</i> , 2017, 28, 1128-1139.	2.2	16
45	More ways than one: Mixed-severity disturbance regimes foster structural complexity via multiple developmental pathways. <i>Forest Ecology and Management</i> , 2017, 406, 410-426.	3.2	78
46	A matter of time: self-regulated tree regeneration in a natural Norway spruce (<i>Picea abies</i>) forest at Mt. Brocken, Germany. <i>European Journal of Forest Research</i> , 2017, 136, 907-921.	2.5	7
47	The historical disturbance regime of mountain Norway spruce forests in the Western Carpathians and its influence on current forest structure and composition. <i>Forest Ecology and Management</i> , 2017, 388, 67-78.	3.2	103
48	Ecosystem dynamics and management after forest die-off: a global synthesis with conceptual state-transition models. <i>Ecosphere</i> , 2017, 8, e02034.	2.2	56
49	Past disturbances and intraspecific competition as drivers of spatial pattern in primary spruce forests. <i>Ecosphere</i> , 2017, 8, e02037.	2.2	8
50	A synthesis of radial growth patterns preceding tree mortality. <i>Global Change Biology</i> , 2017, 23, 1675-1690.	9.5	394
51	When a Tree Dies in the Forest: Scaling Climate-Driven Tree Mortality to Ecosystem Water and Carbon Fluxes. <i>Ecosystems</i> , 2016, 19, 1133-1147.	3.4	73
52	The legacy of disturbance on individual tree and stand-level aboveground biomass accumulation and stocks in primary mountain <i>Picea abies</i> forests. <i>Forest Ecology and Management</i> , 2016, 373, 108-115.	3.2	30
53	Age, competition, disturbance and elevation effects on tree and stand growth response of primary <i>Picea abies</i> forest to climate. <i>Forest Ecology and Management</i> , 2015, 354, 77-86.	3.2	104
54	Old World megadroughts and pluvials during the Common Era. <i>Science Advances</i> , 2015, 1, e1500561.	10.3	403

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55	Zuwachs und Klimasensitivität von Baumarten im Ä–kogramm der kollinen und submontanen Stufe. Schweizerische Zeitschrift Fur Forstwesen, 2015, 166, 380-388.	0.1	2
56	Ecology of <i>Tilia sibirica</i> in a continental hemiboreal forest, southern Siberia: An analogue of a glacial refugium of broad-leaved temperate trees?. Holocene, 2014, 24, 908-918.	1.7	16
57	Landscape-level variability in historical disturbance in primary <i>Picea abies</i> mountain forests of the Eastern Carpathians, Romania. Journal of Vegetation Science, 2014, 25, 386-401.	2.2	99
58	A mixed severity disturbance regime in the primary <i>Picea abies</i> (L.) Karst. forests of the Ukrainian Carpathians. Forest Ecology and Management, 2014, 334, 144-153.	3.2	78
59	Comment on "Opinion paper: Forest management and biodiversity": the role of protected areas is greater than the sum of its number of species. Web Ecology, 2014, 14, 61-64.	1.6	5
60	Age structure and disturbance dynamics of the relic virgin beech forest Uholka (Ukrainian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	3.2	109