

Toms Hlsny

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

936
citations

19
h-index

29
g-index

55
ext. papers

1,223
ext. citations

4.6
avg, IF

4.57
L-index

#	Paper	IF	Citations
51	Patterns and drivers of recent disturbances across the temperate forest biome. <i>Nature Communications</i> , 2018 , 9, 4355	17.4	102
50	Climate change impacts on growth and carbon balance of forests in Central Europe. <i>Climate Research</i> , 2011 , 47, 219-236	1.6	68
49	Persisting bark beetle outbreak indicates the unsustainability of secondary Norway spruce forests: case study from Central Europe. <i>Annals of Forest Science</i> , 2013 , 70, 481-491	3.1	56
48	Living with bark beetles: impacts, outlook and management options 2019 ,		54
47	Climate change increases the drought risk in Central European forests: What are the options for adaptation?. <i>Lesnáky úsopis</i> , 2014 , 60, 5-18	1.2	51
46	Is salvage logging effectively dampening bark beetle outbreaks and preserving forest carbon stocks?. <i>Journal of Applied Ecology</i> , 2020 , 57, 67-76	5.8	42
45	Drivers of treeline shift in different European mountains. <i>Climate Research</i> , 2017 , 73, 135-150	1.6	38
44	Crop planting date matters: Estimation methods and effect on future yields. <i>Agricultural and Forest Meteorology</i> , 2016 , 223, 103-115	5.8	35
43	Forest management impacts on capercaillie (<i>Tetrao urogallus</i>) habitat distribution and connectivity in the Carpathians. <i>Landscape Ecology</i> , 2017 , 32, 163-179	4.3	34
42	Devastating outbreak of bark beetles in the Czech Republic: Drivers, impacts, and management implications. <i>Forest Ecology and Management</i> , 2021 , 490, 119075	3.9	31
41	Post-disturbance recovery of forest carbon in a temperate forest landscape under climate change. <i>Agricultural and Forest Meteorology</i> , 2018 , 263, 308-322	5.8	28
40	Conversion of Norway spruce forests in the face of climate change: a case study in Central Europe. <i>European Journal of Forest Research</i> , 2017 , 136, 1013-1028	2.7	24
39	Adaptation to common optimum in different populations of Norway spruce (<i>Picea abies</i> Karst.). <i>European Journal of Forest Research</i> , 2012 , 131, 401-411	2.7	23
38	Bridging the gap between climate models and impact studies: the FORESEE Database. <i>Geoscience Data Journal</i> , 2015 , 2, 1-11	2.5	23
37	Spatial configuration matters when removing windfelled trees to manage bark beetle disturbances in Central European forest landscapes. <i>Journal of Environmental Management</i> , 2020 , 254, 109792	7.9	22
36	Climatic drivers of forest productivity in Central Europe. <i>Agricultural and Forest Meteorology</i> , 2017 , 234-235, 258-273	5.8	21
35	Snow disturbances in secondary Norway spruce forests in Central Europe: Regression modeling and its implications for forest management. <i>Forest Ecology and Management</i> , 2011 , 262, 2151-2161	3.9	20

34	Growth-climate responses indicate shifts in the competitive ability of European beech and Norway spruce under recent climate warming in East-Central Europe. <i>Dendrochronologia</i> , 2019 , 54, 37-48	2.8	20
33	Sustainable forest management in a mountain region in the Central Western Carpathians, northeastern Slovakia: the role of climate change. <i>Regional Environmental Change</i> , 2017 , 17, 65-77	4.3	19
32	Future carbon cycle in mountain spruce forests of Central Europe: Modelling framework and ecological inferences. <i>Forest Ecology and Management</i> , 2014 , 328, 55-68	3.9	19
31	Bark Beetle Outbreaks in Europe: State of Knowledge and Ways Forward for Management. <i>Current Forestry Reports</i> , 2021 , 7, 138-165	8	19
30	Future climate of the Carpathians: climate change hot-spots and implications for ecosystems. <i>Regional Environmental Change</i> , 2016 , 16, 1495-1506	4.3	18
29	Multifunctionality in European mountain forests – An optimization under changing climatic conditions. <i>Canadian Journal of Forest Research</i> , 2016 , 46, 163-171	1.9	16
28	Concerns about reported harvests in European forests. <i>Nature</i> , 2021 , 592, E15-E17	50.4	16
27	Reducing rotation age to address increasing disturbances in Central Europe: Potential and limitations. <i>Forest Ecology and Management</i> , 2020 , 475, 118408	3.9	15
26	MODIS-based vegetation index has sufficient sensitivity to indicate stand-level intra-seasonal climatic stress in oak and beech forests. <i>Annals of Forest Science</i> , 2015 , 72, 109-125	3.1	14
25	Multi-decade patterns of gypsy moth fluctuations in the Carpathian Mountains and options for outbreak forecasting. <i>Journal of Pest Science</i> , 2016 , 89, 413-425	5.5	14
24	Felled trap trees as the traditional method for bark beetle control: Can the trapping performance be increased?. <i>Forest Ecology and Management</i> , 2017 , 404, 165-173	3.9	12
23	Projected shift of Köppen-Geiger zones in the central Europe: A first insight into the implications for ecosystems and the society. <i>International Journal of Climatology</i> , 2018 , 38, 3595-3606	3.5	10
22	Effect of deforestation on watershed water balance: hydrological modelling-based approach / Vplyv odlesnenia na vodnú bilanciu povodia: prístup na báze hydrologického modelovania. <i>Lesnícky časopis</i> , 2015 , 61, 89-100	1.2	9
21	Identification of Years with Extreme Vegetation State in Central Europe Based on Remote Sensing and Meteorological Data. <i>South-East European Forestry</i> , 2017 , 8,	0.5	9
20	Contrasting vulnerability of monospecific and species-diverse forests to wind and bark beetle disturbance: The role of management. <i>Ecology and Evolution</i> , 2020 , 10, 12233-12245	2.8	8
19	Social Vulnerability to Natural Hazards in Namibia: A District-Based Analysis. <i>Sustainability</i> , 2020 , 12, 4910	3.6	5
18	Functions for the aboveground woody biomass in Small-leaved lime (<i>Tilia cordata</i> Mill.) / Funkcie prohodnocení biomasy nadzemných stromů malolistých (<i>Tilia cordata</i> Mill.). <i>Lesnícky časopis</i> , 2014 , 60,	1.2	5
17	High-resolution gridded climate data for Europe based on bias-corrected EURO-CORDEX: The ECLIPS dataset. <i>Geoscience Data Journal</i> , 2020 ,	2.5	4

16	How does soil water potential limit the seasonal dynamics of sap flow and circumference changes in European beech?. <i>Lesníky úsopis</i> , 2014 , 60, 19-30	1.2	4
15	Inter- and intra-annual dynamics of height increment in young beech and spruce stands in relation to tree size and weather conditions. <i>Lesníky úsopis</i> , 2014 , 60, 52-60	1.2	4
14	Climate Change Adaptation in the Carpathian Mountain Region 2016 , 79-99		4
13	Controlling landscape-scale bark beetle dynamics: Can we hit the right spot?. <i>Landscape and Urban Planning</i> , 2021 , 209, 104035	7.7	4
12	Ecological differentiation, speciation, and rarity: How do they match in agg. (Asteraceae)?. <i>Ecology and Evolution</i> , 2018 , 8, 2453-2470	2.8	3
11	Free European data on forest distribution: overview and evaluation. <i>Journal of Forest Science</i> , 2013 , 59, 447-457	0.9	3
10	Fine-scale variation in projected climate change presents opportunities for biodiversity conservation in Europe. <i>Scientific Reports</i> , 2021 , 11, 17242	4.9	2
9	Identification of phytogeographical borders using grassland vegetation data. <i>Biologia (Poland)</i> , 2010 , 65, 630-638	1.5	1
8	Climate change research in southern Africa in recent two decades: progress, needs, and policy implications. <i>Regional Environmental Change</i> , 2022 , 22, 1	4.3	1
7	Effect of different tree mortality patterns on stand development in the forest model SIBYLA. <i>Lesníky úsopis</i> , 2016 , 62, 173-180	1.2	1
6	Evaluating five forest models using multi-decadal inventory data from mountain forests. <i>Ecological Modelling</i> , 2021 , 445, 109493	3	1
5	Cross-dating tree-ring series of living European beech by isochronic weather records. <i>Geochronometria</i> , 2016 , 43, 48-58	1	1
4	Choice of reference climate conditions matters in impact studies: Case of bias-corrected CORDEX data set. <i>International Journal of Climatology</i> , 2019 , 39, 2022-2040	3.5	1
3	Natural disturbance regimes as a guide for sustainable forest management in Europe.. <i>Ecological Applications</i> , 2022 , e2596	4.9	1
2	Spatial modelling-based approach to phytogeographical regionalization using grassland vegetation data. <i>Open Life Sciences</i> , 2012 , 7, 318-326	1.2	
1	Time matters: Resilience of a post-disturbance forest landscape. <i>Science of the Total Environment</i> , 2021 , 799, 149377	10.2	