

Ovidiu Badea

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Broad-Leaved Tree Growth Modulated by Industrial Air Pollution in the Northern Romania (Baia Mare) Tj ETQq1 1 0.784314 rgBT /Ove	2.1	9
2	Strategic roadmap to assess forest vulnerability under air pollution and climate change. Global Change Biology, 2022, 28, 5062-5085.	9.5	31
3	Towards long-term sustainability of stomatal ozone flux monitoring at forest sites. , 2022, 2, 100018.		12
4	Visible Foliar Injury and Ecophysiological Responses to Ozone and Drought in Oak Seedlings. Plants, 2022, 11, 1836.	3.5	4
5	Impact of Industrial Pollution on Radial Growth of Conifers in a Former Mining Area in the Eastern Carpathians (Northern Romania). Forests, 2021, 12, 640.	2.1	14
6	Modeling the Diameter Distribution of Mixed Uneven-Aged Stands in the South Western Carpathians in Romania. Forests, 2021, 12, 958.	2.1	7
7	Growing Stock Volume Retrieval from Single and Multi-Frequency Radar Backscatter. Forests, 2021, 12, 944.	2.1	4
8	Past and Future of Temperate Forests State under Climate Change Effects in the Romanian Southern Carpathians. Forests, 2021, 12, 885.	2.1	6
9	Applications of TLS and ALS in Evaluating Forest Ecosystem Services: A Southern Carpathians Case Study. Forests, 2021, 12, 1269.	2.1	5
10	Influence of the Mosaicking Algorithm on Sentinel-1 Land Cover Classification Over Rough Terrain. , 2021, , .		1
11	Shifts in Forest Species Composition and Abundance under Climate Change Scenarios in Southern Carpathian Romanian Temperate Forests. Forests, 2021, 12, 1434.	2.1	15
12	Assessing the Utility of Sentinel-1 Coherence Time Series for Temperate and Tropical Forest Mapping. Remote Sensing, 2021, 13, 4814.	4.0	9
13	Climate Change and Air Pollution Effect on Forest Ecosystems. Forests, 2021, 12, 1642.	2.1	1
14	Species discrimination and individual tree detection for predicting main dendrometric characteristics in mixed temperate forests by use of airborne laser scanning and ultra-high-resolution imagery. Science of the Total Environment, 2020, 698, 134074.	8.0	32
15	Climate change effects on tree growth from Romanian forest monitoring Level II plots. Science of the Total Environment, 2020, 698, 134129.	8.0	14
16	Forest science innovation for sustainable forest management, improvement of human welfare, and quality of life under global environmental changes. Science of the Total Environment, 2020, 701, 134429.	8.0	2
17	Investigating the Impact of Digital Elevation Models on Sentinel-1 Backscatter and Coherence Observations. Remote Sensing, 2020, 12, 3016.	4.0	11
18	Ozone impairs the response of isoprene emission to foliar nitrogen and phosphorus in poplar. Environmental Pollution, 2020, 267, 115679.	7.5	2

#	ARTICLE	IF	CITATIONS
19	A generalized nonlinear mixed-effects height–diameter model for Norway spruce in mixed-uneven aged stands. <i>Forest Ecology and Management</i> , 2020, 477, 118507.	3.2	32
20	Epidemiological derivation of flux-based critical levels for visible ozone injury in European forests. <i>Journal of Forestry Research</i> , 2020, 31, 1509-1519.	3.6	35
21	Retrieval of Forest Structural Parameters From Terrestrial Laser Scanning: A Romanian Case Study. <i>Forests</i> , 2020, 11, 392.	2.1	6
22	Elevated ozone prevents acquisition of available nitrogen due to smaller root surface area in poplar. <i>Plant and Soil</i> , 2020, 450, 585-599.	3.7	8
23	Sentinel-1/2 Time Series for Selective Logging Monitoring in Temperate Forests. , 2020, , .		0
24	Deep Neural Networks for Forest Growing Stock Volume Retrieval: A Comparative Analysis for L-band SAR data. , 2020, , .		3
25	Estimating forest stand structure attributes from terrestrial laser scans. <i>Science of the Total Environment</i> , 2019, 691, 205-215.	8.0	12
26	Synthetic aperture radar sensitivity to forest changes: A simulations-based study for the Romanian forests. <i>Science of the Total Environment</i> , 2019, 689, 1104-1114.	8.0	28
27	Forest vulnerability to extreme climatic events in Romanian Scots pine forests. <i>Science of the Total Environment</i> , 2019, 678, 721-727.	8.0	26
28	Cross-talk between physiological and biochemical adjustments by <i>Punica granatum</i> cv. Dente di cavallo mitigates the effects of salinity and ozone stress. <i>Science of the Total Environment</i> , 2019, 656, 589-597.	8.0	24
29	Ozone risk assessment is affected by nutrient availability: Evidence from a simulation experiment under free air controlled exposure (FACE). <i>Environmental Pollution</i> , 2018, 238, 812-822.	7.5	26
30	Ozone exposure affects tree defoliation in a continental climate. <i>Science of the Total Environment</i> , 2017, 596-597, 396-404.	8.0	19
31	Unique postglacial evolution of the hornbeam (<i>Carpinus betulus</i> L.) in the Carpathians and the Balkan Peninsula revealed by chloroplast DNA. <i>Science of the Total Environment</i> , 2017, 599-600, 1493-1502.	8.0	11
32	A new-generation 3D ozone FACE (Free Air Controlled Exposure). <i>Science of the Total Environment</i> , 2017, 575, 1407-1414.	8.0	69
33	Height Extraction and Stand Volume Estimation Based on Fusion Airborne LiDAR Data and Terrestrial Measurements for a Norway Spruce [<i>Picea abies</i> (L.) Karst.] Test Site in Romania. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2016, 44, 313-323.	1.1	8
34	Effects of a three-year exposure to ambient ozone on biomass allocation in poplar using ethylenediurea. <i>Environmental Pollution</i> , 2013, 180, 299-303.	7.5	38
35	Forest Monitoring - Assessment, Analysis and Warning System for Forest Ecosystem Status. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013, 41, 613.	1.1	9
36	Dendroclimatic Response Variability of <i>Quercus</i> species in the Romanian Intensive Forest Monitoring Network. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013, 41, 326.	1.1	12

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37	Monitoring of ozone in selected forest ecosystems in Southern Carpathian and Romanian Intensive Monitoring Network (level II). Journal of Environmental Monitoring, 2012, 14, 1710.	2.1	5
38	Status of the Southern Carpathian forests in the long-term ecological research network. Environmental Monitoring and Assessment, 2012, 184, 7491-7515.	2.7	11
39	Air pollution, precipitation chemistry and forest health in the Retezat Mountains, Southern Carpathians, Romania. Environmental Pollution, 2005, 137, 546-567.	7.5	32
40	Chemical and morphological characteristics of key tree species of the Carpathian Mountains. Environmental Pollution, 2004, 130, 41-54.	7.5	37
41	Forest health status in the Carpathian Mountains over the period 1997-2001. Environmental Pollution, 2004, 130, 93-98.	7.5	38
42	Vegetation of the selected forest stands and land use in the Carpathian Mountains. Environmental Pollution, 2004, 130, 17-32.	7.5	23
43	New international long-term ecological research on air pollution effects on the Carpathian Mountain forests, Central Europe. Environment International, 2003, 29, 367-376.	10.0	33