

Ovidiu Badea

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

715
citations

516710

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43
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43
docs citations

43
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	A new-generation 3D ozone FACE (Free Air Controlled Exposure). <i>Science of the Total Environment</i> , 2017, 575, 1407-1414.	8.0	69
2	Forest health status in the Carpathian Mountains over the period 1997–2001. <i>Environmental Pollution</i> , 2004, 130, 93-98.	7.5	38
3	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
4	Chemical and morphological characteristics of key tree species of the Carpathian Mountains. <i>Environmental Pollution</i> , 2004, 130, 41-54.	7.5	37
5	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
6	New international long-term ecological research on air pollution effects on the Carpathian Mountain forests, Central Europe. <i>Environment International</i> , 2003, 29, 367-376.	10.0	33
7	Air pollution, precipitation chemistry and forest health in the Retezat Mountains, Southern Carpathians, Romania. <i>Environmental Pollution</i> , 2005, 137, 546-567.	7.5	32
8	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. <i>Science of the Total Environment</i> , 2020, 698, 134074.	8.0	32
9	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
10	Strategic roadmap to assess forest vulnerability under air pollution and climate change. <i>Global Change Biology</i> , 2022, 28, 5062-5085.	9.5	31
11	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
12	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
13	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
14	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
15	Vegetation of the selected forest stands and land use in the Carpathian Mountains. <i>Environmental Pollution</i> , 2004, 130, 17-32.	7.5	23
16	Ozone exposure affects tree defoliation in a continental climate. <i>Science of the Total Environment</i> , 2017, 596-597, 396-404.	8.0	19
17	Shifts in Forest Species Composition and Abundance under Climate Change Scenarios in Southern Carpathian Romanian Temperate Forests. <i>Forests</i> , 2021, 12, 1434.	2.1	15
18	Climate change effects on tree growth from Romanian forest monitoring Level II plots. <i>Science of the Total Environment</i> , 2020, 698, 134129.	8.0	14

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19	Impact of Industrial Pollution on Radial Growth of Conifers in a Former Mining Area in the Eastern Carpathians (Northern Romania). <i>Forests</i> , 2021, 12, 640.	2.1	14
20	Estimating forest stand structure attributes from terrestrial laser scans. <i>Science of the Total Environment</i> , 2019, 691, 205-215.	8.0	12
21	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
22	Towards long-term sustainability of stomatal ozone flux monitoring at forest sites. , 2022, 2, 100018.		12
23	Status of the Southern Carpathian forests in the long-term ecological research network. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 7491-7515.	2.7	11
24	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
25	Investigating the Impact of Digital Elevation Models on Sentinel-1 Backscatter and Coherence Observations. <i>Remote Sensing</i> , 2020, 12, 3016.	4.0	11
26	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
27	Assessing the Utility of Sentinel-1 Coherence Time Series for Temperate and Tropical Forest Mapping. <i>Remote Sensing</i> , 2021, 13, 4814.	4.0	9
28	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
29	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
30	Modeling the Diameter Distribution of Mixed Uneven-Aged Stands in the South Western Carpathians in Romania. <i>Forests</i> , 2021, 12, 958.	2.1	7
31	Retrieval of Forest Structural Parameters From Terrestrial Laser Scanning: A Romanian Case Study. <i>Forests</i> , 2020, 11, 392.	2.1	6
32	Past and Future of Temperate Forests State under Climate Change Effects in the Romanian Southern Carpathians. <i>Forests</i> , 2021, 12, 885.	2.1	6
33	Monitoring of ozone in selected forest ecosystems in Southern Carpathian and Romanian Intensive Monitoring Network (level II). <i>Journal of Environmental Monitoring</i> , 2012, 14, 1710.	2.1	5
34	Applications of TLS and ALS in Evaluating Forest Ecosystem Services: A Southern Carpathians Case Study. <i>Forests</i> , 2021, 12, 1269.	2.1	5
35	Growing Stock Volume Retrieval from Single and Multi-Frequency Radar Backscatter. <i>Forests</i> , 2021, 12, 944.	2.1	4
36	Visible Foliar Injury and Ecophysiological Responses to Ozone and Drought in Oak Seedlings. <i>Plants</i> , 2022, 11, 1836.	3.5	4

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37	Deep Neural Networks for Forest Growing Stock Volume Retrieval: A Comparative Analysis for L-band SAR data. , 2020, , .		3
38	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
39	Ozone impairs the response of isoprene emission to foliar nitrogen and phosphorus in poplar. Environmental Pollution, 2020, 267, 115679.	7.5	2
40	Influence of the Mosaicking Algorithm on Sentinel-1 Land Cover Classification Over Rough Terrain. , 2021, , .		1
41	Climate Change and Air Pollution Effect on Forest Ecosystems. Forests, 2021, 12, 1642.	2.1	1
42	Sentinel-1/2 Time Series for Selective Logging Monitoring in Temperate Forests. , 2020, , .		0
43	Broad-Leaved Tree Growth Modulated by Industrial Air Pollution in the Northern Romania (Baia Mare) Tj ETQq1 1 0.784314 rgBT /Over 2.1		0