Peter Surov

List of Publications by Year in Descending Order

47 papers	850 citations	15 h-index	28 g-index
49 ext. papers	1,077 ext. citations	3.5 avg, IF	4.94 L-index

#	Paper	IF	Citations
47	Individual Tree Identification in ULS Point Clouds Using a Crown Width Mixed-Effects Model Based on NFI Data. *Remote Sensing*, **2022**, 14, 926	5	0
46	Effects, Monitoring and Management of Forest Roads Using Remote Sensing and GIS in Angolan Miombo Woodlands. *Forests*, **2022**, 13, 524	2.8	1
45	Influence of water supply on cork increment and quality in Quercus suber L.. *Central European Forestry Journal*, **2022**, 68, 3-14	1.3	0
44	A Cork Cell Wall Approach to Swelling and Boiling with ESEM Technology. *Forests*, **2022**, 13, 623	2.8	
43	Cork influenced by a specific water regime macro and microstructure characterization: the first approach. *Wood Science and Technology*, **2021**, 55, 1653-1672	2.5	2
42	Woody and Foliage Biomass, Foliage Traits and Growth Efficiency in Young Trees of Four Broadleaved Tree Species in a Temperate Forest. *Plants*, **2021**, 10,	4.5	1
41	Young Silver Birch Grows Faster and Allocates Higher Portion of Biomass into Stem Than Norway Spruce, a Case Study from a Post-Disturbance Forest. *Forests*, **2021**, 12, 433	2.8	1
40	Spatial resolution of unmanned aerial vehicles acquired imagery as a result of different processing conditions. *Central European Forestry Journal*, **2021**, 67, 148-154	1.3	0
39	Mathematically optimized trajectory for terrestrial close-range photogrammetric 3D reconstruction of forest stands. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2021**, 178, 259-281	11.8	2
38	Aplicaçã dos Modelos de Interaçã Atmosférica e de Incêndio Florestal BRAMS-SFIRE no sul de Portugal. *Revista Brasileira De Meteorologia*, **2021**, 36, 423-440	0.4	1
37	A review of major factors influencing the accuracy of mapping green-attack stage of bark beetle infestations using satellite imagery: Prospects to avoid data redundancy. *Remote Sensing Applications: Society and Environment*, **2021**, 24, 100638	2.8	0
36	Temperature buffering in temperate forests: Comparing microclimate models based on ground measurements with active and passive remote sensing. *Remote Sensing of Environment*, **2021**, 263, 112522	13.2	6
35	Novel low-cost mobile mapping systems for forest inventories as terrestrial laser scanning alternatives. *International Journal of Applied Earth Observation and Geoinformation*, **2021**, 104, 102512	7.3	5
34	Investigating the Correlation between Multisource Remote Sensing Data for Predicting Potential Spread of Ips typographus L. Spots in Healthy Trees. *Remote Sensing*, **2021**, 13, 4953	5	0
33	Biomass Allocation into Woody Parts and Foliage in Young Common Aspen (Populus tremula L.) Trees and a Stand-Level Study in the Western Carpathians. *Forests*, **2020**, 11, 464	2.8	5
32	Very High Density Point Clouds from UAV Laser Scanning for Automatic Tree Stem Detection and Direct Diameter Measurement. *Remote Sensing*, **2020**, 12, 1236	5	32
31	Silver birch aboveground biomass allocation pattern, stem and foliage traits with regard to intraspecific crown competition. *Lesnícky časopis*, **2020**, 66, 159-169	1.2	1

30	UAV Laser Scans Allow Detection of Morphological Changes in Tree Canopy. *Remote Sensing*, **2020**, 12, 3829	5	2
29	Comparison of Ips cembrae (Coleoptera: Curculionidae) Capture Methods: Small Trap Trees Caught the Most Beetles. *Forests*, **2020**, 11, 1275	2.8	2
28	The Influence of Cross-Section Thickness on Diameter at Breast Height Estimation from Point Cloud. *ISPRS International Journal of Geo-Information*, **2020**, 9, 495	2.9	4
27	Terrestrial Structure from Motion Photogrammetry for Deriving Forest Inventory Data. *Remote Sensing*, **2019**, 11, 950	5	52
26	UAV RTK/PPK Method—An Optimal Solution for Mapping Inaccessible Forested Areas?. *Remote Sensing*, **2019**, 11, 721	5	70
25	Acquisition of Forest Attributes for Decision Support at the Forest Enterprise Level Using Remote-Sensing Techniques—A Review. *Forests*, **2019**, 10, 273	2.8	23
24	Simple Is Best: Pine Twigs Are Better Than Artificial Lures for Trapping of Pine Weevils in Pitfall Traps. *Forests*, **2019**, 10, 642	2.8	4
23	The Use of UAV Mounted Sensors for Precise Detection of Bark Beetle Infestation. *Remote Sensing*, **2019**, 11, 1561	5	37
22	Vocal recognition of a nest-predator in black grouse. *PeerJ*, **2019**, 7, e6533	3.1	4
21	Defining Deforestation Patterns Using Satellite Images from 2000 and 2017: Assessment of Forest Management in Miombo Forests—A Case Study of Huambo Province in Angola. *Sustainability*, **2019**, 11, 98	3.6	7
20	Unmanned aerial vehicles (UAV) for assessment of qualitative classification of Norway spruce in temperate forest stands. *Geo-Spatial Information Science*, **2018**, 21, 12-20	3.5	45
19	Estimation of positions and heights from UAV-sensed imagery in tree plantations in agrosilvopastoral systems. *International Journal of Remote Sensing*, **2018**, 39, 4786-4800	3.1	51
18	Dynamic Patterns of Trees Species in Miombo Forest and Management Perspectives for Sustainable Production—Case Study in Huambo Province, Angola. *Forests*, **2018**, 9, 321	2.8	11
17	Estimation and Extrapolation of Tree Parameters Using Spectral Correlation between UAV and Pléiades Data. *Forests*, **2018**, 9, 85	2.8	22
16	Evaluation of Close-Range Photogrammetry Image Collection Methods for Estimating Tree Diameters. *ISPRS International Journal of Geo-Information*, **2018**, 7, 93	2.9	49
15	Advances in remote-sensing applications in silvo-pastoral systems. *International Journal of Remote Sensing*, **2018**, 39, 4565-4571	3.1	2
14	Value Chain of Charcoal Production and Implications for Forest Degradation: Case Study of Bié Province, Angola. *Environments - MDPI*, **2018**, 5, 113	3.2	15
13	Mapping Forest Structure Using UAS inside Flight Capabilities. *Sensors*, **2018**, 18,	3.8	25

12	UAV Capability to Detect and Interpret Solar Radiation as a Potential Replacement Method to Hemispherical Photography. *Remote Sensing*, **2018**, 10, 423	5	8
11	Determining tree height and crown diameter from high-resolution UAV imagery. *International Journal of Remote Sensing*, **2017**, 38, 2392-2410	3.1	170
10	Prediction of Dominant Forest Tree Species Using QuickBird and Environmental Data. *Forests*, **2017**, 8, 42	2.8	17
9	Forest Stand Inventory Based on Combined Aerial and Terrestrial Close-Range Photogrammetry. *Forests*, **2016**, 7, 165	2.8	74
8	Accuracy of Reconstruction of the Tree Stem Surface Using Terrestrial Close-Range Photogrammetry. *Remote Sensing*, **2016**, 8, 123	5	37
7	The effect of soil compaction at different depths on cork oak seedling growth. *New Forests*, **2015**, 46, 235-246	2.6	14
6	ESTIMATION OF CORK PRODUCTION USINGAERIAL IMAGERY1. *Revista Arvore*, **2015**, 39, 853-861	1	1
5	Observations on 3-dimensional crown growth of Stone pine. *Agroforestry Systems*, **2011**, 82, 105-110	2	8
4	Economic implications of different cork oak forest management systems. *International Journal of Sustainable Society*, **2008**, 1, 149	0.6	10
3	Modeling Cork Oak Production in Portugal **2006**, 285-313		6
2	Detection of fallen logs from high-resolution UAV images. *New Zealand Journal of Forestry Science* ,49,	1	11
1	Adaptive Management on Sustainability of Cork Oak Woodlands. *Advances in Environmental Engineering and Green Technologies Book Series*,437-449	0.4	10