Oleg Antropov

List of Publications by Year
in descending order

57 papers	972 citations	516215 16 h-index	552369 26 g-index
59 all docs	59 docs citations	59 times ranked	1004 citing authors

#	Article	IF	Citations
1	Volume Scattering Modeling in PolSAR Decompositions: Study of ALOS PALSAR Data Over Boreal Forest. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3838-3848.	2.7	106
2	Interferometric SAR Coherence Models for Characterization of Hemiboreal Forests Using TanDEM-X Data. Remote Sensing, 2016, 8, 700.	1.8	74
3	LIDAR-Aided SAR Interferometry Studies in Boreal Forest: Scattering Phase Center and Extinction Coefficient at X- and L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3831-3843.	2.7	71
4	Flood Mapping With TerraSAR-X in Forested Regions in Estonia. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 562-577.	2.3	64
5	Sentinel-1 InSAR Coherence for Land Cover Mapping: A Comparison of Multiple Feature-Based Classifiers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 535-552.	2.3	64
6	Land Cover and Soil Type Mapping From Spaceborne PolSAR Data at L-Band With Probabilistic Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5256-5270.	2.7	52
7	Vital Sign Monitoring Using FMCW Radar in Various Sleeping Scenarios. Sensors, 2020, 20, 6505.	2.1	52
8	Polarimetric ALOS PALSAR Time Series in Mapping Biomass of Boreal Forests. Remote Sensing, 2017, 9, 999.	1.8	48
9	Improved Mapping of Tropical Forests With Optical and SAR Imagery, Part II: Above Ground Biomass Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 92-101.	2.3	46
10	Stand-Level Stem Volume of Boreal Forests From Spaceborne SAR Imagery at L-Band. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 35-44.	2.3	38
11	Monitoring of Agricultural Grasslands With Time Series of X-Band Repeat-Pass Interferometric SAR. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3687-3697.	2.3	34
12	ICEYE Microsatellite SAR Constellation Status Update: Evaluation of First Commercial Imaging Modes. , 2020, , .		33
13	Cropland Classification Using Sentinel-1 Time Series: Methodological Performance and Prediction Uncertainty Assessment. Remote Sensing, 2019, 11, 2480.	1.8	26
14	A Study of Landfast Ice with Sentinel-1 Repeat-Pass Interferometry over the Baltic Sea. Remote Sensing, 2017, 9, 833.	1.8	23
15	Boreal Forest Snow Damage Mapping Using Multi-Temporal Sentinel-1 Data. Remote Sensing, 2019, 11, 384.	1.8	23
16	Wide-Area Land Cover Mapping With Sentinel-1 Imagery Using Deep Learning Semantic Segmentation Models. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10357-10374.	2.3	23
17	Improved Mapping of Tropical Forests With Optical and SAR Imagery, Part I: Forest Cover and Accuracy Assessment Using Multi-Resolution Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 74-91.	2.3	18
18	Improved Semisupervised UNet Deep Learning Model for Forest Height Mapping With Satellite SAR and Optical Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5776-5787.	2.3	18

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19	PolSAR Mosaic Normalization for Improved Land-Cover Mapping. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 1074-1078.	1.4	16
20	Boreal forest tree height estimation from interferometric TanDEM-X images. , 2012, , .		13
21	Detection of Forest Windstorm Damages with Multitemporal SAR Data—A Case Study: Finland. Remote Sensing, 2021, 13, 383.	1.8	13
22	Increase in the resolution of the reflection coefficient Fourier-transform method by spectrum extrapolation based on the method of the minimum duration principle. Russian Journal of Nondestructive Testing, 2009, 45, 347-354.	0.3	11
23	Mapping forest disturbance using long time series of Sentinel-1 data: Case studies over boreal and tropical forests. , 2016, , .		11
24	Nonquadratic Regularization Procedure for Multifrequency Amplitude Data Extrapolation in Microwave Introscopy of Dielectric Structures Fourier-Holography Applications. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2009, 68, 905-913.	0.2	10
25	Mapping Forest Disturbance Due to Selective Logging in the Congo Basin with RADARSAT-2 Time Series. Remote Sensing, 2021, 13, 740.	1.8	9
26	Assessment of Operational Microsatellite Based SAR for Earth Observation Applications. , 2018, , .		8
27	Selective logging of tropical forests observed using L- and C-band SAR satellite data. , 2015, , .		6
28	Wet Snow Depth from Tandem-X Single-Pass Insar Dem Differencing. , 2018, , .		6
29	Evaluating Landfast Sea Ice Ridging near UtqiaÄ¡Vik Alaska Using TanDEM-X Interferometry. Remote Sensing, 2020, 12, 1247.	1.8	6
30	Towards detecting mowing of agricultural grasslands from multi-temporal COSMO-SkyMed data. , 2014, , .		5
31	Deep Recurrent Neural Networks for Land-Cover Classification Using Sentinel-1 INSAR Time Series. , 2019, , .		5
32	Classification of Wide-Area SAR Mosaics: Deep Learning Approach for Corine Based Mapping of Finland Using Multitemporal Sentinel-1 Data. , 2020, , .		5
33	Definition of parameters values of sinusoidal signal, distorted by unknown pulses. Radioelectronics and Communications Systems, 2008, 51, 488-494.	0.3	4
34	Tropical Forest Tree Height and Above Ground Biomass Mapping in Nepal Using Tandem-X and ALOS PALSAR Data. , 2018, , .		4
35	TanDEM-X multiparametric data features in sea ice classification over the Baltic sea. Geo-Spatial Information Science, 2021, 24, 313-332.	2.4	4
36	Improved Characterization of Forest Transmissivity Within the L-MEB Model Using Multisensor SAR Data. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1408-1412.	1.4	3

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37	Separation of the Sum of Sinusoid and Impulses. , 2006, , .		2
38	Enabling intelligent copernicus services for carbon and water balance modeling of boreal forest ecosystems &#x2014; North state. , 2015, , .		2
39	Forest Height Estimation from TanDEM-X images with Semi-Empirical Coherence Models. , 2018, , .		2
40	Automated SEA ICE Classification Over the Baltic SEA using Multiparametric Features of Tandem-X Insar Images. , 2018, , .		2
41	Restoration of Piecewise-Constant Currents Distribution on Antenna Aperture Plane by Extension Minimum Method. , 2007, , .		1
42	Extension minimum method for determination of antenna pattern from near-field measurements. , 2007, , .		1
43	Superresolution via extrapolation with constraints on signal duration. , 2008, , .		1
44	Reconstruction of permittivity profile by Gel’fand-Levitan method using reflectometry data extrapolation. , 2008, , .		1
45	Microwave Fourier-holography approach improvement via minimum duration amplitude multifrequency data extrapolation. , 2008, , .		1
46	Peatland delineation under forest canopy with polsar data using model based decomposition technique. , 2012, , .		1
47	Combining TanDEM-X and Landsat 8 data for improved mapping of forest biomass. , 2015, , .		1
48	Predicting Growing Stock Volume of Boreal Forests Using Very Long Time Series of Sentinel-1 Data. , 2020, , .		1
49	Method of Minimum of Duration for Extraction of Damped and Delayed Sinusoidal Signal in Presence of Pulses. , 2007, , .		0
50	The method of minimum of duration in application to permittivity profile reconstruction. , 2008, , .		0
51	Edge-preserving piecewise-constant image restoration via method of minimum of extension. , 2008, , .		0
52	Vibration Data Analysis in Presence of Distorting Pulses. Solid State Phenomena, 0, 147-149, 621-626.	0.3	0
53	Improving SMOS soil moisture algorithm performance in forested areas with multisensor SAR data. , 2016, , .		0
54	Building blocks for semiempirical models for forest parameter extraction from interferometric X-band SAR images. , 2016, , .		0

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55	PHYSICS-based retrieval of scattering albedo and vegetation optical depth using multi-sensor data integration. , 2017, , .		0
56	Multi-Sensor Sar Data for Improved Modeling of Microwave Brightness Temperature over Boreal Forest. , 2018, , .		0
57	Mapping Forest Thinning, Systemic and Selective Logging Operations Using Various Imaging Modes of X-Band SAR Images. , 2021, , .		0