

Oleg Antropov

List of Publications by Year in descending order

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1004
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	TanDEM-X multiparametric data features in sea ice classification over the Baltic sea. Geo-Spatial Information Science, 2021, 24, 313-332.	2.4	4
3	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
4	Mapping Forest Disturbance Due to Selective Logging in the Congo Basin with RADARSAT-2 Time Series. Remote Sensing, 2021, 13, 740.	1.8	9
5	Detection of Forest Windstorm Damages with Multitemporal SAR Data – A Case Study: Finland. Remote Sensing, 2021, 13, 383.	1.8	13
6	Mapping Forest Thinning, Systemic and Selective Logging Operations Using Various Imaging Modes of X-Band SAR Images. , 2021, , .		0
7	Vital Sign Monitoring Using FMCW Radar in Various Sleeping Scenarios. Sensors, 2020, 20, 6505.	2.1	52
8	Evaluating Landfast Sea Ice Ridging near UtqiaĀvik Alaska Using TanDEM-X Interferometry. Remote Sensing, 2020, 12, 1247.	1.8	6
9	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
10	ICEYE Microsatellite SAR Constellation Status Update: Evaluation of First Commercial Imaging Modes. , 2020, , .		33
11	Classification of Wide-Area SAR Mosaics: Deep Learning Approach for Corine Based Mapping of Finland Using Multitemporal Sentinel-1 Data. , 2020, , .		5
12	Predicting Growing Stock Volume of Boreal Forests Using Very Long Time Series of Sentinel-1 Data. , 2020, , .		1
13	Cropland Classification Using Sentinel-1 Time Series: Methodological Performance and Prediction Uncertainty Assessment. Remote Sensing, 2019, 11, 2480.	1.8	26
14	Boreal Forest Snow Damage Mapping Using Multi-Temporal Sentinel-1 Data. Remote Sensing, 2019, 11, 384.	1.8	23
15	Deep Recurrent Neural Networks for Land-Cover Classification Using Sentinel-1 INSAR Time Series. , 2019, , .		5
16	Wet Snow Depth from Tandem-X Single-Pass Insar Dem Differencing. , 2018, , .		6
17	Forest Height Estimation from TanDEM-X images with Semi-Empirical Coherence Models. , 2018, , .		2
18	Tropical Forest Tree Height and Above Ground Biomass Mapping in Nepal Using Tandem-X and ALOS PALSAR Data. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Multi-Sensor Sar Data for Improved Modeling of Microwave Brightness Temperature over Boreal Forest. , 2018, , .		0
20	Automated SEA ICE Classification Over the Baltic SEA using Multiparametric Features of Tandem-X Insar Images. , 2018, , .		2
21	Assessment of Operational Microsatellite Based SAR for Earth Observation Applications. , 2018, , .		8
22	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
23	Polarimetric ALOS PALSAR Time Series in Mapping Biomass of Boreal Forests. Remote Sensing, 2017, 9, 999.	1.8	48
24	PHYSICS-based retrieval of scattering albedo and vegetation optical depth using multi-sensor data integration. , 2017, , .		0
25	A Study of Landfast Ice with Sentinel-1 Repeat-Pass Interferometry over the Baltic Sea. Remote Sensing, 2017, 9, 833.	1.8	23
26	Interferometric SAR Coherence Models for Characterization of Hemiboreal Forests Using TanDEM-X Data. Remote Sensing, 2016, 8, 700.	1.8	74
27	Improving SMOS soil moisture algorithm performance in forested areas with multisensor SAR data. , 2016, , .		0
28	Mapping forest disturbance using long time series of Sentinel-1 data: Case studies over boreal and tropical forests. , 2016, , .		11
29	Building blocks for semiempirical models for forest parameter extraction from interferometric X-band SAR images. , 2016, , .		0
30	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
31	Enabling intelligent copernicus services for carbon and water balance modeling of boreal forest ecosystems — North state. , 2015, , .		2
32	Selective logging of tropical forests observed using L- and C-band SAR satellite data. , 2015, , .		6
33	Combining TanDEM-X and Landsat 8 data for improved mapping of forest biomass. , 2015, , .		1
34	Towards detecting mowing of agricultural grasslands from multi-temporal COSMO-SkyMed data. , 2014, , .		5
35	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
36	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

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37	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
38	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
39	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
40	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
41	Boreal forest tree height estimation from interferometric TanDEM-X images. , 2012, , .		13
42	Peatland delineation under forest canopy with polsar data using model based decomposition technique. , 2012, , .		1
43	PolSAR Mosaic Normalization for Improved Land-Cover Mapping. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 1074-1078.	1.4	16
44	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
45	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
46	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
47	Definition of parameters values of sinusoidal signal, distorted by unknown pulses. Radioelectronics and Communications Systems, 2008, 51, 488-494.	0.3	4
48	Superresolution via extrapolation with constraints on signal duration. , 2008, , .		1
49	Reconstruction of permittivity profile by Gel'fand-Levitan method using reflectometry data extrapolation. , 2008, , .		1
50	The method of minimum of duration in application to permittivity profile reconstruction. , 2008, , .		0
51	Microwave Fourier-holography approach improvement via minimum duration amplitude multifrequency data extrapolation. , 2008, , .		1
52	Edge-preserving piecewise-constant image restoration via method of minimum of extension. , 2008, , .		0
53	Restoration of Piecewise-Constant Currents Distribution on Antenna Aperture Plane by Extension Minimum Method. , 2007, , .		1
54	Method of Minimum of Duration for Extraction of Damped and Delayed Sinusoidal Signal in Presence of Pulses. , 2007, , .		0

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55	Extension minimum method for determination of antenna pattern from near-field measurements. , 2007, , .		1
56	Separation of the Sum of Sinusoid and Impulses. , 2006, , .		2
57	Vibration Data Analysis in Presence of Distorting Pulses. Solid State Phenomena, 0, 147-149, 621-626.	0.3	0