Andreas Schmitt

List of Publications by Year
in descending order

32 papers	780 citations	686830 13 h-index	676716 22 g-index
33 all docs	33 docs citations	33 times ranked	948 citing authors

#	Article	IF	Citations
1	Potential of X-band polarimetric synthetic aperture radar co-polar phase difference for arctic snow depth estimation. Cryosphere, 2022, 16, 2163-2181.	1.5	2
2	Glacier Retreat in Iceland Mapped from Space: Time Series Analysis of Geodata from 1941 to 2018. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2021, 89, 273-291.	0.7	4
3	Seasonal Evolution of Supraglacial Lakes on Baltoro Glacier From 2016 to 2020. Frontiers in Earth Science, 2021, 9, .	0.8	5
4	Automatic Training Set Compilation With Multisource Geodata for DTM Generation From the TanDEM-X DSM. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 456-460.	1.4	6
5	Multi-Source and Multi-Temporal Image Fusion on Hypercomplex Bases. Remote Sensing, 2020, 12, 943.	1.8	7
6	Discriminating Wet Snow and Firn for Alpine Glaciers Using Sentinel-1 Data: A Case Study at Rofental, Austria. Geosciences (Switzerland), 2019, 9, 69.	1.0	6
7	Investigation on the separability of slums by multi-aspect TerraSAR-X dual-co-polarized high resolution spotlight images based on the multi-scale evaluation of local distributions. International Journal of Applied Earth Observation and Geoinformation, 2018, 64, 181-198.	1.4	14
8	FusioNet: A two-stream convolutional neural network for urban scene classification using PolSAR and hyperspectral data. , 2017, , .		35
9	Exploitation of textural and morphological image features in Sentinel-2A data for slum mapping. , 2017, , .		10
10	Slum mapping in polarimetric SAR data using spatial features. Remote Sensing of Environment, 2017, 194, 190-204.	4.6	82
11	Scattering Characteristics of X-, C- and L-Band PolSAR Data Examined for the Tundra Environment of the Tuktoyaktuk Peninsula, Canada. Applied Sciences (Switzerland), 2017, 7, 595.	1.3	22
12	Windthrow Detection in European Forests with Very High-Resolution Optical Data. Forests, 2017, 8, 21.	0.9	42
13	Monitoring of the Lac Bam Wetland Extent Using Dual-Polarized X-Band SAR Data. Remote Sensing, 2016, 8, 302.	1.8	41
14	Two Component Decomposition of Dual Polarimetric HH/VV SAR Data: Case Study for the Tundra Environment of the Mackenzie Delta Region, Canada. Remote Sensing, 2016, 8, 1027.	1.8	16
15	Object-Based Morphological Profiles for Classification of Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5952-5963.	2.7	29
16	Object based fusion of polarimetric SAR and hyperspectral imaging for land use classification. , 2016, , .		6
17	Multiscale and Multidirectional Multilooking for SAR Image Enhancement. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5117-5134.	2.7	18
18	Building Typesâ€™ Classification Using Shape-Based Features and Linear Discriminant Functions. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1901-1912.	2.3	36

#	Article	IF	Citations
19	A Collection of SAR Methodologies for Monitoring Wetlands. Remote Sensing, 2015, 7, 7615-7645.	1.8	163
20	The Kennaugh element framework for multi-scale, multi-polarized, multi-temporal and multi-frequency SAR image preparation. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 102, 122-139.	4.9	73
21	Land Cover Characterization and Classification of Arctic Tundra Environments by Means of Polarized Synthetic Aperture X- and C-Band Radar (PolSAR) and Landsat 8 Multispectral Imagery â€" Richards Island, Canada. Remote Sensing, 2014, 6, 8565-8593.	1.8	41
22	Water extent monitoring and water level estimation using multi-frequency, multi-polarized, and multi-temporal SAR data. , 2014, , .		0
23	An Innovative Curvelet-only-Based Approach for Automated Change Detection in Multi-Temporal SAR Imagery. Remote Sensing, 2014, 6, 2435-2462.	1.8	16
24	Classification of Arctic Coastal land covers with polarimetric SAR data. , 2013, , .		4
25	Wetland Monitoring Using the Curvelet-Based Change Detection Method on Polarimetric SAR Imagery. Water (Switzerland), 2013, 5, 1036-1051.	1.2	75
26	Synergetic use of TerraSAR-X and Radarsat-2 time series data for identification and characterization of grassland types - a case study in Southern Bavaria, Germany. , 2012, , .		5
27	Multi-frequency analysis of high resolution quad-pol Radarsat-2 and dual-pol TerraSAR-X data for land cover classification in Arctic Coastal Ecosystems, Mackenzie Delta, beaufort sea. , 2012, , .		1
28	On the capability of different SAR polarization combinations for agricultural monitoring. , 2012, , .		1
29	Curvelet-based Change Detection on SAR Images for Natural Disaster Mapping. Photogrammetrie, Fernerkundung, Geoinformation, 2010, 2010, 463-474.	1.2	11
30	Comparison of alternative image representations in the context of SAR change detection. , 2010, , .		4
31	Curvelet-based change detection for man-made objects from SAR images. , 2009, , .		3
32	An Advanced Approach for Automatic Extraction of Planar Surfaces and their Topology from Point Clouds. Photogrammetrie, Fernerkundung, Geoinformation, 2009, 2009, 43-52.	1.2	2