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	A Collection of SAR Methodologies for Monitoring Wetlands. Remote Sensing, 2015, 7, 7615-7645.	1.8	163
2	Slum mapping in polarimetric SAR data using spatial features. Remote Sensing of Environment, 2017, 194, 190-204.	4.6	82
3	Wetland Monitoring Using the Curvelet-Based Change Detection Method on Polarimetric SAR Imagery. Water (Switzerland), 2013, 5, 1036-1051.	1.2	75
4	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
5	Windthrow Detection in European Forests with Very High-Resolution Optical Data. Forests, 2017, 8, 21.	0.9	42
6	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
7	Monitoring of the Lac Bam Wetland Extent Using Dual-Polarized X-Band SAR Data. Remote Sensing, 2016, 8, 302.	1.8	41
8	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
9	FusioNet: A two-stream convolutional neural network for urban scene classification using PolSAR and hyperspectral data. , 2017, , .		35
10	Object-Based Morphological Profiles for Classification of Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5952-5963.	2.7	29
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	Multiscale and Multidirectional Multilooking for SAR Image Enhancement. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5117-5134.	2.7	18
13	An Innovative Curvelet-only-Based Approach for Automated Change Detection in Multi-Temporal SAR Imagery. Remote Sensing, 2014, 6, 2435-2462.	1.8	16
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	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
16	Curvelet-based Change Detection on SAR Images for Natural Disaster Mapping. Photogrammetrie, Fernerkundung, Geoinformation, 2010, 2010, 463-474.	1.2	11
17	Exploitation of textural and morphological image features in Sentinel-2A data for slum mapping. , 2017, , .		10
18	Multi-Source and Multi-Temporal Image Fusion on Hypercomplex Bases. Remote Sensing, 2020, 12, 943.	1.8	7

#	Article	IF	Citations
19	Object based fusion of polarimetric SAR and hyperspectral imaging for land use classification. , 2016, , .		6
20	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
21	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
22	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
23	Seasonal Evolution of Supraglacial Lakes on Baltoro Glacier From 2016 to 2020. Frontiers in Earth Science, 2021, 9, .	0.8	5
24	Comparison of alternative image representations in the context of SAR change detection. , 2010, , .		4
25	Classification of Arctic Coastal land covers with polarimetric SAR data. , 2013, , .		4
26	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
27	Curvelet-based change detection for man-made objects from SAR images. , 2009, , .		3
28	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
29	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
30	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
31	On the capability of different SAR polarization combinations for agricultural monitoring. , 2012, , .		1
32	Water extent monitoring and water level estimation using multi-frequency, multi-polarized, and multi-temporal SAR data. , 2014, , .		0