Maximilian

List of Publications by Year
in descending order

23 papers	632 citations	840776 11 h-index	794594 19 g-index
31 all docs	31 docs citations	31 times ranked	650 citing authors

#	Article	IF	Citations
1	GEROS-ISS: GNSS REflectometry, Radio Occultation, and Scatterometry Onboard the International Space Station. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4552-4581.	4.9	99
2	Phase Altimetry With Dual Polarization GNSS-R Over Sea Ice. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2112-2121.	6.3	91
3	Overview of the MOSAiC expedition: Snow and sea ice. Elementa, 2022, 10, .	3.2	91
4	First Precise Spaceborne Sea Surface Altimetry With GNSS Reflected Signals. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 102-112.	4.9	64
5	GNSS Transpolar Earth Reflectometry exploriNg System (G-TERN): Mission Concept. IEEE Access, 2018, 6, 13980-14018.	4.2	55
6	Retrieving Precipitable Water Vapor From Shipborne Multiâ€GNSS Observations. Geophysical Research Letters, 2019, 46, 5000-5008.	4.0	46
7	Coastal Sea-Level Measurements Based on GNSS-R Phase Altimetry: A Case Study at the Onsala Space Observatory, Sweden. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5625-5636.	6.3	31
8	Monitoring sea-ice and dry snow with GNSS reflections. , 2010, , .		24
9	Sensing Sea Ice Based on Doppler Spread Analysis of Spaceborne GNSS-R Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 217-226.	4.9	23
10	Sea-Ice Concentration Derived From GNSS Reflection Measurements in Fram Strait. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10350-10361.	6.3	18
11	Spaceborne GNSS Reflectometry for Retrieving Sea Ice Concentration Using TDS-1 Data. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 612-616.	3.1	15
12	Remote Sensing of Precipitation Using Reflected GNSS Signals: Response Analysis of Polarimetric Observations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	15
13	Machine Learning-Aided Sea Ice Monitoring Using Feature Sequences Extracted from Spaceborne GNSS-Reflectometry Data. Remote Sensing, 2020, 12, 3751.	4.0	9
14	GNSS-based water vapor estimation and validation during the MOSAiC expedition. Atmospheric Measurement Techniques, 2021, 14, 5127-5138.	3.1	9
15	Airborne GNSS reflectometry using crossover reference points for carrier phase altimetry. , 2014, , .		8
16	On the Response of Polarimetric GNSS-Reflectometry to Sea Surface Roughness. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7945-7956.	6.3	7
17	A probabilistic model for on-line estimation of the GNSS carrier-to-noise ratio. Signal Processing, 2021, 183, 107992.	3.7	6
18	Sea-Ice Permittivity Derived From GNSS Reflection Profiles: Results of the MOSAiC Expedition. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	6

#	Article	IF	Citations
19	Analysis of Grazing GNSS Reflections Observed at the Zeppelin Mountain Station, Spitsbergen. Radio Science, 2017, 52, 1352-1362.	1.6	4
20	Spaceborne GNSS-R for Sea Ice Classification Using Machine Learning Classifiers. Remote Sensing, 2021, 13, 4577.	4.0	4
21	Status of the ESA Pretty Mission. , 2020, , .		3
22	Polarimetric GNSS-R Sea Level Monitoring Using I/Q Interference Patterns at Different Antenna Configurations and Carrier Frequencies. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	2
23	A Performance Assessment of Polarimetric GNSS-R Sea Level Monitoring in the Presence of Sea Surface Roughness. , 2021, , .		1