

# Maximilian

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	Overview of the MOSAiC expedition: Snow and sea ice. Elementa, 2022, 10, .	3.2	91
5	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
6	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
7	A probabilistic model for on-line estimation of the GNSS carrier-to-noise ratio. Signal Processing, 2021, 183, 107992.	3.7	6
8	GNSS-based water vapor estimation and validation during the MOSAiC expedition. Atmospheric Measurement Techniques, 2021, 14, 5127-5138.	3.1	9
9	A Performance Assessment of Polarimetric GNSS-R Sea Level Monitoring in the Presence of Sea Surface Roughness. , 2021, , .		1
10	Spaceborne GNSS-R for Sea Ice Classification Using Machine Learning Classifiers. Remote Sensing, 2021, 13, 4577.	4.0	4
11	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
12	Machine Learning-Aided Sea Ice Monitoring Using Feature Sequences Extracted from Spaceborne GNSS-Reflectometry Data. Remote Sensing, 2020, 12, 3751.	4.0	9
13	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
14	Status of the ESA Pretty Mission. , 2020, , .		3
15	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
16	Retrieving Precipitable Water Vapor From Shipborne Multi-€GNSS Observations. Geophysical Research Letters, 2019, 46, 5000-5008.	4.0	46
17	GNSS Transpolar Earth Reflectometry exploriNg System (G-TERN): Mission Concept. IEEE Access, 2018, 6, 13980-14018.	4.2	55
18	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

#	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	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
21	Airborne GNSS reflectometry using crossover reference points for carrier phase altimetry. , 2014, , .		8
22	Phase Altimetry With Dual Polarization GNSS-R Over Sea Ice. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2112-2121.	6.3	91
23	Monitoring sea-ice and dry snow with GNSS reflections. , 2010, , .		24