

Jeffrey R Piepmeier

List of Publications by Year in descending order

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17
papers

3,123
citations

933447

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1199594

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17
docs citations

17
times ranked

2918
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Soil Moisture Active Passive (SMAP) Mission. Proceedings of the IEEE, 2010, 98, 704-716. | 21.3 | 2,546 |
| 2 | SMAP L-Band Microwave Radiometer: Instrument Design and First Year on Orbit. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1954-1966. | 6.3 | 141 |
| 3 | Radio-Frequency Interference Mitigation for the Soil Moisture Active Passive Microwave Radiometer. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 761-775. | 6.3 | 138 |
| 4 | SMAP L-Band Microwave Radiometer: RFI Mitigation Prelaunch Analysis and First Year On-Orbit Observations. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6035-6047. | 6.3 | 84 |
| 5 | Microwave Radiometer Radio-Frequency Interference Detection Algorithms: A Comparative Study. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3742-3754. | 6.3 | 78 |
| 6 | A Double Detector for RFI Mitigation in Microwave Radiometers. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 458-465. | 6.3 | 35 |
| 7 | Remote sensing of soil moisture using P-band signals of opportunity (SoOp): Initial results. , 2017, , . | | 25 |
| 8 | Soil Moisture Active/Passive L-Band Microwave Radiometer Postlaunch Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5339-5354. | 6.3 | 18 |
| 9 | Location of Radio-Frequency Interference Sources Using the SMAP L-Band Radiometer. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6854-6866. | 6.3 | 17 |
| 10 | Microwave Radiometry at Frequencies From 500 to 1400 MHz: An Emerging Technology for Earth Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4894-4914. | 4.9 | 16 |
| 11 | Wideband Ocean Altimetry Using Ku-Band and K-Band Satellite Signals of Opportunity: Proof of Concept. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1012-1016. | 3.1 | 11 |
| 12 | Soil Moisture Active Passive (SMAP) microwave radiometer radio-frequency interference (RFI) mitigation: Algorithm updates and performance assessment. , 2016, , . | | 6 |
| 13 | Wideband digital signal processing test-BED for radiometric RFI mitigation. , 2015, , . | | 3 |
| 14 | SCoBi Multilayer: A Signals of Opportunity Reflectometry Model for Multilayer Dielectric Reflections. Remote Sensing, 2020, 12, 3480. | 4.0 | 3 |
| 15 | Detection of Radio Frequency Interference in Microwave Radiometers Operating in Shared Spectrum. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7067-7074. | 6.3 | 2 |
| 16 | Multi-Channel Correlator array-fed Microwave Radiometer. , 2019, , . | | 0 |
| 17 | Lessons Learned from SMAP Radiometer Pre-/Post-launch Calibration. , 2021, , . | | 0 |