

Steven C Reising

List of Publications by Year in descending order

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24
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407
citing authors

#	ARTICLE	IF	CITATIONS
1	Rainfall Estimation From TEMPEST-D CubeSat Observations: A Machine-Learning Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3626-3636.	4.9	7
2	A Novel 1/f Noise Mitigation Technique Applied to a 670 GHz Receiver. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 109-112.	3.1	6
3	Calibration and Validation of the TEMPEST-D CubeSat Radiometer. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4904-4914.	6.3	14
4	Preface: Earth Observations for Environmental Sustainability for the Next Decade. Remote Sensing, 2021, 13, 2871.	4.0	0
5	A 670 GHz Integrated InP HEMT Direct-Detection Receiver for the Tropospheric Water and Cloud Ice Instrument. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 566-576.	3.1	12
6	TEMPEST-D Radiometer: Instrument Description and Pre-launch Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10213-10226.	6.3	23
7	Rainfall Estimation from Tempest-D Cubesat Observations. , 2021, , .		0
8	Cross Validation of Tempest-D and Raincube Observations. , 2021, , .		3
9	Design and Analysis of CubeSat Microwave Radiometer Constellations to Observe Temporal Variability of the Atmosphere. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11728-11736.	4.9	9
10	A Passive Microwave Retrieval Algorithm with Minimal View-Angle Bias: Application to the TEMPEST-D CubeSat Mission. Journal of Atmospheric and Oceanic Technology, 2020, 37, 197-210.	1.3	7
11	Deep Learning Calibration of the High-Frequency Airborne Microwave and Millimeter-Wave Radiometer (HAMMR) Instrument. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3391-3399.	6.3	4
12	Instrument Design and Performance of the High-Frequency Airborne Microwave and Millimeter-Wave Radiometer. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4563-4577.	4.9	5
13	Temporal Experiment for Storms and Tropical Systems Technology Demonstration(TEMPEST-D) 6U CubeSat Mission: Early Results and Potential for Atmospheric Science. , 2019, , .		3
14	An Earth Venture In-Space Technology Demonstration Mission for Temporal Experiment for Storms and Tropical Systems (Tempest). , 2018, , .		15
15	Radiometer for the Temporal Experiment for Storms and Tropical Systems Technology Demonstration Mission. , 2018, , .		5
16	Design, Testing and Reliability Analysis of Command and Data Handling (C&DH) Subsystem for the Tropospheric Water and Cloud Ice (Twice) Instrument for a 6U-Class Small Satellite. , 2018, , .		4
17	A simulation of ice cloud particle size, humidity, and temperature measurements from the TWICE CubeSat. Earth and Space Science, 2017, 4, 574-587.	2.6	20
18	Radiometer payload for the temporal experiment for storms and tropical systems technology demonstration mission. , 2017, , .		9

#	ARTICLE	IF	CITATIONS
19	Global measurement of temporal signatures of precipitation: Development of the temporal experiment for storms and tropical systems technology demonstration mission. , 2017, , .		4
20	The MTT-S Inter-Society Committee-Embracing Opportunities Across the IEEE and Elsewhere [MTT World]. IEEE Microwave Magazine, 2016, 17, 74-76.	0.8	1
21	Overview of Temporal Experiment for Storms and Tropical Systems (TEMPEST) CubeSat constellation mission. , 2015, , .		25
22	Concentric gravity waves in the mesosphere generated by deep convective plumes in the lower atmosphere near Fort Collins, Colorado. Journal of Geophysical Research, 2009, 114, .	3.3	103
23	Retrieval of 3-D Water Vapor Field Using a Network of Scanning Compact Microwave Radiometers. , 2008, , .		0
24	A Miniaturized Spectrometer Radiometer Based on MMIC Technology for Tropospheric Water Vapor Profiling. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 2181-2194.	6.3	29