

Steven C Reising

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

308
citations

1307594

7
h-index

1125743

13
g-index

26
all docs

26
docs citations

26
times ranked

407
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentric gravity waves in the mesosphere generated by deep convective plumes in the lower atmosphere near Fort Collins, Colorado. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	103
2	A Miniaturized Spectrometer Radiometer Based on MMIC Technology for Tropospheric Water Vapor Profiling. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007, 45, 2181-2194.	6.3	29
3	Overview of Temporal Experiment for Storms and Tropical Systems (TEMPEST) CubeSat constellation mission. , 2015, , .		25
4	TEMPEST-D Radiometer: Instrument Description and Prelaunch Calibration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 10213-10226.	6.3	23
5	A simulation of ice cloud particle size, humidity, and temperature measurements from the TWICE CubeSat. <i>Earth and Space Science</i> , 2017, 4, 574-587.	2.6	20
6	An Earth Venture In-Space Technology Demonstration Mission for Temporal Experiment for Storms and Tropical Systems (Tempest). , 2018, , .		15
7	Calibration and Validation of the TEMPEST-D CubeSat Radiometer. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 4904-4914.	6.3	14
8	A 670 GHz Integrated InP HEMT Direct-Detection Receiver for the Tropospheric Water and Cloud Ice Instrument. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 566-576.	3.1	12
9	Radiometer payload for the temporal experiment for storms and tropical systems technology demonstration mission. , 2017, , .		9
10	Design and Analysis of CubeSat Microwave Radiometer Constellations to Observe Temporal Variability of the Atmosphere. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 11728-11736.	4.9	9
11	A Passive Microwave Retrieval Algorithm with Minimal View-Angle Bias: Application to the TEMPEST-D CubeSat Mission. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 197-210.	1.3	7
12	Rainfall Estimation From TEMPEST-D CubeSat Observations: A Machine-Learning Approach. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 3626-3636.	4.9	7
13	A Novel 1/f Noise Mitigation Technique Applied to a 670 GHz Receiver. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 109-112.	3.1	6
14	Radiometer for the Temporal Experiment for Storms and Tropical Systems Technology Demonstration Mission. , 2018, , .		5
15	Instrument Design and Performance of the High-Frequency Airborne Microwave and Millimeter-Wave Radiometer. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4563-4577.	4.9	5
16	Global measurement of temporal signatures of precipitation: Development of the temporal experiment for storms and tropical systems technology demonstration mission. , 2017, , .		4
17	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
18	Deep Learning Calibration of the High-Frequency Airborne Microwave and Millimeter-Wave Radiometer (HAMMR) Instrument. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 3391-3399.	6.3	4

#	ARTICLE	IF	CITATIONS
19	Temporal Experiment for Storms and Tropical Systems Technology Demonstration(TEMPEST-D) 6U CubeSat Mission: Early Results and Potential for Atmospheric Science. , 2019, , .		3
20	Cross Validation of Tempest-D and Raincube Observations. , 2021, , .		3
21	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
22	Retrieval of 3-D Water Vapor Field Using a Network of Scanning Compact Microwave Radiometers. , 2008, , .		0
23	Preface: Earth Observations for Environmental Sustainability for the Next Decade. Remote Sensing, 2021, 13, 2871.	4.0	0
24	Rainfall Estimation from Tempest-D Cubesat Observations. , 2021, , .		0