

Boon Leng Cheong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

633
citations

15
h-index

24
g-index

40
ext. papers

744
ext. citations

3.3
avg, IF

3.57
L-index

#	Paper	IF	Citations
34	A Neural Network Approach for Waveform Generation and Selection with Multi-Mission Radar 2019 ,		5
33	Spectrum Sharing in Weather Radar Networked System: Design and Experimentation. <i>IEEE Sensors Journal</i> , 2019 , 19, 1720-1729	4	5
32	A Novel Instrument for Real-Time Measurement of Attenuation of Weather Radar Radome Including Its Outer Surface. Part I: The Concept. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018 , 35, 953-973	2	7
31	Orientation Analysis of Simulated Tornadoic Debris. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018 , 35, 993-1010	2	4
30	A Novel Instrument for Real-Time Measurement of Attenuation of Weather Radar Radome Including Its Outer Surface. Part II: Applications. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018 , 35, 975-991	2	7
29	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 2299-2312	8.1	2
28	SimRadar: A Polarimetric Radar Time-Series Simulator for Tornadoic Debris Studies. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 2858-2870	8.1	9
27	Observations of Severe Local Storms and Tornadoes with the Atmospheric Imaging Radar. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 915-935	6.1	32
26	Simulated Frequency Dependence of Radar Observations of Tornadoes. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016 , 33, 1825-1842	2	11
25	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 4178-4189	8.1	11
24	High-Temporal Resolution Polarimetric X-Band Doppler Radar Observations of the 20 May 2013 Moore, Oklahoma, Tornado. <i>Monthly Weather Review</i> , 2015 , 143, 2711-2735	2.4	32
23	Implementation of Adaptive Pulse Compression in Solid-State Radars: Practical Considerations. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 2170-2174	4.1	7
22	2015 ,		2
21	A Dual-Polarization Radar Hydrometeor Classification Algorithm for Winter Precipitation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014 , 31, 1457-1481	2	65
20	A Pulse Compression Waveform for Improved-Sensitivity Weather Radar Observations. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014 , 31, 2713-2731	2	28
19	Optimized NLFM pulse compression waveforms for high-sensitivity radar observations 2014 ,		20
18	Two-dimensional variational analysis of near-surface moisture from simulated radar refractivity-related phase change observations. <i>Advances in Atmospheric Sciences</i> , 2013 , 30, 291-305	2.9	1

17	PX-1000: A Solid-State Polarimetric X-Band Weather Radar and Time-Frequency Multiplexed Waveform for Blind Range Mitigation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013 , 62, 3064-3072	5.2	28
16	Multilag Correlation Estimators for Polarimetric Radar Measurements in the Presence of Noise. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012 , 29, 772-795	2	30
15	The Atmospheric Imaging Radar (AIR) for high-resolution observations of severe weather 2011 ,		11
14	Understanding Radar Refractivity: Sources of Uncertainty. <i>Journal of Applied Meteorology and Climatology</i> , 2011 , 50, 2543-2560	2.7	16
13	Automatic wind turbine identification using level-II data 2011 ,		1
12	Evaluation of Weather Radar with Pulse Compression: Performance of a Fuzzy Logic Tornado Detection Algorithm. <i>Journal of Atmospheric and Oceanic Technology</i> , 2011 , 28, 390-400	2	5
11	Observations of the 10 May 2010 Tornado Outbreak Using OU-PRIME: Potential for New Science with High-Resolution Polarimetric Radar. <i>Bulletin of the American Meteorological Society</i> , 2011 , 92, 871-891	6.1	58
10	Simulation of Coherent Radar Imaging Using Continuous Wave Noise Radar. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009 , 26, 1956-1967	2	
9	Radar Refractivity Retrievals in Oklahoma: Insights into Operational Benefits and Limitations. <i>Weather and Forecasting</i> , 2009 , 24, 1345-1361	2.1	8
8	On the Use of Auxiliary Receive Channels for Clutter Mitigation With Phased Array Weather Radars. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009 , 47, 272-284	8.1	11
7	Refractivity Retrieval Using the Phased-Array Radar: First Results and Potential for Multimission Operation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008 , 46, 2527-2537	8.1	27
6	Effects of Wind Field Inhomogeneities on Doppler Beam Swinging Revealed by an Imaging Radar. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008 , 25, 1414-1422	2	30
5	A Time Series Weather Radar Simulator Based on High-Resolution Atmospheric Models. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008 , 25, 230-243	2	37
4	Phased-Array Design for Biological Clutter Rejection: Simulation and Experimental Validation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006 , 23, 585-598	2	29
3	Observations of the Small-Scale Variability of Precipitation Using an Imaging Radar. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005 , 22, 1122-1137	2	39
2	Pulse pair beamforming and the effects of reflectivity field variations on imaging radars. <i>Radio Science</i> , 2004 , 39, n/a-n/a	1.4	36
1	Efficient Atmospheric Simulation for High-Resolution Radar Imaging Applications. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004 , 21, 374-378	2	14