James M Kurdzo

List of Publications by Citations

25 papers	242 citations	9 h-index	15 g-index
28 ext. papers	333 ext. citations	2.5 avg, IF	3.28 L-index

#	Paper	IF	Citations
25	Millstone Hill ISR observations of upper atmospheric long-term changes: Height dependency. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		40
24	High-Temporal Resolution Polarimetric X-Band Doppler Radar Observations of the 20 May 2013 Moore, Oklahoma, Tornado. *Monthly Weather Review*, **2015**, 143, 2711-2735	2.4	32
23	Observations of Severe Local Storms and Tornadoes with the Atmospheric Imaging Radar. *Bulletin of the American Meteorological Society*, **2017**, 98, 915-935	6.1	32
22	A Pulse Compression Waveform for Improved-Sensitivity Weather Radar Observations. *Journal of Atmospheric and Oceanic Technology*, **2014**, 31, 2713-2731	2	28
21	Optimized NLFM pulse compression waveforms for high-sensitivity radar observations **2014**,		20
20	A brief overview of weather radar technologies and instrumentation. *IEEE Instrumentation and Measurement Magazine*, **2014**, 17, 10-15	1.4	16
19	Objective Optimization of Weather Radar Networks for Low-Level Coverage Using a Genetic Algorithm. *Journal of Atmospheric and Oceanic Technology*, **2012**, 29, 807-821	2	13
18	High-Temporal Resolution Observations of the 27 May 2015 Canadian, Texas, Tornado Using the Atmospheric Imaging Radar. *Monthly Weather Review*, **2019**, 147, 873-891	2.4	10
17	Analysis of the 16 May 2015 Tipton, Oklahoma, EF-3 Tornado at High Spatiotemporal Resolution Using the Atmospheric Imaging Radar. *Monthly Weather Review*, **2018**, 146, 2103-2124	2.4	10
16	Weather Radar Network Benefit Model for Tornadoes. *Journal of Applied Meteorology and Climatology*, **2019**, 58, 971-987	2.7	6
15	A Neural Network Approach for Waveform Generation and Selection with Multi-Mission Radar **2019** ,		5
14	Polarimetric Observations of Chaff Using the WSR-88D Network. *Journal of Applied Meteorology and Climatology*, **2018**, 57, 1063-1081	2.7	5
13	Towards the Next Generation Operational Meteorological Radar. *Bulletin of the American Meteorological Society*, **2021**, 102, E1357-E1383	6.1	4
12	Observations of a Cold Front at High Spatiotemporal Resolution Using an X-Band Phased Array Imaging Radar. *Atmosphere*, **2017**, 8, 30	2.7	3
11	**2019**,		3
10	Mobile Radar Observations of the Evolving Debris Field Compared with a Damage Survey of the Shawnee, Oklahoma, Tornado of 19 May 2013. *Monthly Weather Review*, **2020**, 148, 1779-1803	2.4	2
9	Quantification of radar QPE performance based on SENSR network design possibilities **2018**,		2

8	**2015**,		2
7	On the use of genetic algorithms for optimization of a multi-band, Multi-Mission radar network **2011**,		2
6	Weather Radar Network Benefit Model for Flash Flood Casualty Reduction. *Journal of Applied Meteorology and Climatology*, **2020**, 59, 589-604	2.7	2
5	The WSR-88D Inanimate Hydrometeor Class. *Journal of Applied Meteorology and Climatology*, **2020**, 59, 841-858	2.7	1
4	Weather Radar Network Benefit Model for Nontornadic Thunderstorm Wind Casualty Cost Reduction. *Weather, Climate, and Society*, **2020**, 12, 789-804	2.3	1
3	Geospatial QPE Accuracy Dependence on Weather Radar Network Configurations. *Journal of Applied Meteorology and Climatology*, **2020**, 59, 1773-1792	2.7	1
2	Analysis of Debris Signature Characteristics and Evolution in the 24 May 2016 Dodge City, Kansas, Tornadoes. *Monthly Weather Review*, **2020**, 148, 5063-5086	2.4	1
1	Ground-Based Radar Technologies for Tornado Observations. *Springer Remote Sensing/photogrammetry*, **2018**, 65-112	0.2	