

# John Y N Cho

## List of Publications by Citations

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39  
papers

1,305  
citations

17  
h-index

36  
g-index

40  
ext. papers

1,409  
ext. citations

6.3  
avg, IF

4.1  
L-index

#	Paper	IF	Citations
39	An updated review of polar mesosphere summer echoes: Observation, theory, and their relationship to noctilucent clouds and subvisible aerosols. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 2001-2020		219
38	On the role of charged aerosols in polar mesosphere summer echoes. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 875		160
37	Polar mesosphere summer radar echoes: Observations and current theories. <i>Reviews of Geophysics</i> , <b>1993</b> , 31, 243	22.6	150
36	Ubiquity of quasi-horizontal layers in the troposphere. <i>Nature</i> , <b>1999</b> , 398, 316-319	47.5	125
35	The Next-Generation Multimission U.S. Surveillance Radar Network. <i>Bulletin of the American Meteorological Society</i> , <b>2007</b> , 88, 1739-1752	5.2	78
34	Horizontal wavenumber spectra of winds, temperature, and trace gases during the Pacific Exploratory Missions: 1. Climatology. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 5697-5716		63
33	Enhancement of Thomson scatter by charged aerosols in the polar mesosphere: Measurements with a 1.29-GHz radar. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 1097-1100	4.8	50
32	Characterizations of tropospheric turbulence and stability layers from aircraft observations. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		48
31	General characteristics of tropospheric trace constituent layers observed in the MOZAIC program. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 17379-17392		33
30	Inertio-gravity wave parameter estimation from cross-spectral analysis. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 18727		32
29	Observations of convective and dynamical instabilities in tropopause folds and their contribution to stratosphere-troposphere exchange. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 21549-21568		29
28	Anomalous scaling of mesoscale tropospheric humidity fluctuations. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 377-380	4.8	25
27	Cupri observations of PMSE during Salvo B of NLC-91: Evidence of both partial reflection and turbulent scatter. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2291-2294	4.8	26
26	The Threat to Weather Radars by Wireless Technology. <i>Bulletin of the American Meteorological Society</i> , <b>2016</b> , 97, 1159-1167	5.2	21
25	Electric field measurements in the vicinity of noctilucent clouds and PMSE. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2299-2302	4.8	24
24	First height comparison of noctilucent clouds and simultaneous PMSE. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2845-2848	4.8	22
23	Multi-PRI Signal Processing for the Terminal Doppler Weather Radar. Part II: Range-Velocity Ambiguity Mitigation. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2005</b> , 22, 1507-1519	1.9	17

22	Determining the cascade of passive scalar variance in the lower stratosphere. <i>Physical Review Letters</i> , <b>2000</b> , 85, 5663-6	7.3	16
21	Tropospheric ozone layers observed during PEM-Tropics B. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 32527-32538		16
20	Multi-PRI Signal Processing for the Terminal Doppler Weather Radar. Part I: Clutter Filtering. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2005</b> , 22, 575-582	1.9	15
19	Observation of pollution plume capping by a tropopause fold. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 3243-3246	4.8	15
18	Command and Control for Multifunction Phased Array Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017</b> , 55, 5899-5912	7.4	12
17	A re-evaluation of the Stokes drift in the polar summer mesosphere. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 887		12
16	CUPRI system configuration for NLC-91 and observations of PMSE during Salvo A. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2287-2290	4.8	12
15	Aircraft observations of boundary layer turbulence: Intermittency and the cascade of energy and passive scalar variance. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 32469-32479		11
14	PMSE dependence on long-period vertical motions. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 1197-1200	4.8	11
13	High-resolution stratospheric dynamics measurements with the NASA/JPL Goldstone Solar System Radar. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 1909-1912	4.8	8
12	Weather Radar Network Benefit Model for Tornadoes. <i>Journal of Applied Meteorology and Climatology</i> , <b>2019</b> , 58, 971-987	2.6	6
11	Cupri observations of PMSE during Salvo C of NLC-91: Evidence of a depressed mesopause temperature. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2295-2298	4.8	6
10	A Neural Network Approach for Waveform Generation and Selection with Multi-Mission Radar <b>2019</b> ,		6
9	A New Radio Frequency Interference Filter for Weather Radars. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2017</b> , 34, 1393-1406	1.9	3
8	Isentropic scaling analysis of ozone in the upper troposphere and lower stratosphere. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 10023-10038		4
7	Quantification of radar QPE performance based on SENSr network design possibilities <b>2018</b> ,		2
6	Terminal Doppler Weather Radar enhancements <b>2010</b> ,		1
5	A new spatial interferometry capability using the Arecibo 430-MHz radar. <i>Radio Science</i> , <b>1997</b> , 32, 749-755		2

4	Weather Radar Network Benefit Model for Flash Flood Casualty Reduction. <i>Journal of Applied Meteorology and Climatology</i> , <b>2020</b> , 59, 589-604	2.6	2
3	Enhanced Signal Processing Algorithms for the ASR-9 Weather Systems Processor. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2015</b> , 32, 1847-1859	1.9	1
2	Weather Radar Network Benefit Model for Nontornadic Thunderstorm Wind Casualty Cost Reduction. <i>Weather, Climate, and Society</i> , <b>2020</b> , 12, 789-804	2.2	1
1	Geospatial QPE Accuracy Dependence on Weather Radar Network Configurations. <i>Journal of Applied Meteorology and Climatology</i> , <b>2020</b> , 59, 1773-1792	2.6	1