

John Yn Cho

List of Publications by Year in descending order

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59
papers

2,269
citations

218381

26
h-index

214527

47
g-index

60
all docs

60
docs citations

60
times ranked

1229
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 1997, 102, 2001-2020.	3.3	266
2	Polar mesosphere summer radar echoes: Observations and current theories. <i>Reviews of Geophysics</i> , 1993, 31, 243.	9.0	180
3	On the role of charged aerosols in polar mesosphere summer echoes. <i>Journal of Geophysical Research</i> , 1992, 97, 875-886.	3.3	177
4	Horizontal velocity structure functions in the upper troposphere and lower stratosphere: 1. Observations. <i>Journal of Geophysical Research</i> , 2001, 106, 10223-10232.	3.3	140
5	Ubiquity of quasi-horizontal layers in the troposphere. <i>Nature</i> , 1999, 398, 316-319.	13.7	136
6	The Next-Generation Multimission U.S. Surveillance Radar Network. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 1739-1752.	1.7	102
7	Horizontal velocity structure functions in the upper troposphere and lower stratosphere: 2. Theoretical considerations. <i>Journal of Geophysical Research</i> , 2001, 106, 10233-10241.	3.3	77
8	Horizontal wavenumber spectra of winds, temperature, and trace gases during the Pacific Exploratory Missions: 1. Climatology. <i>Journal of Geophysical Research</i> , 1999, 104, 5697-5716.	3.3	75
9	Characterizations of tropospheric turbulence and stability layers from aircraft observations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	61
10	First in-situ observations of neutral and plasma density fluctuations within a PMSE layer. <i>Geophysical Research Letters</i> , 1993, 20, 2311-2314.	1.5	60
11	Enhancement of Thomson scatter by charged aerosols in the polar mesosphere: Measurements with a 1.29-GHz radar. <i>Geophysical Research Letters</i> , 1992, 19, 1097-1100.	1.5	56
12	Consistency of rocket and radar electron density observations : implication about the anisotropy of mesospheric turbulence. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1990, 52, 855-873.	0.9	50
13	Horizontal wavenumber spectra of winds, temperature, and trace gases during the Pacific Exploratory Missions: 2. Gravity waves, quasi-two-dimensional turbulence, and vortical modes. <i>Journal of Geophysical Research</i> , 1999, 104, 16297-16308.	3.3	50
14	Measurements of atmospheric layers from the NASA DC-8 and P-3B aircraft during PEM-Tropics A. <i>Journal of Geophysical Research</i> , 1999, 104, 5745-5764.	3.3	48
15	Detection of a meteor contrail and meteoric dust in the Earth's upper mesosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1998, 60, 359-369.	0.6	43
16	General characteristics of tropospheric trace constituent layers observed in the MOZAIC program. <i>Journal of Geophysical Research</i> , 2000, 105, 17379-17392.	3.3	42
17	Inertio-gravity wave parameter estimation from cross-spectral analysis. <i>Journal of Geophysical Research</i> , 1995, 100, 18727.	3.3	39
18	The Threat to Weather Radars by Wireless Technology. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1159-1167.	1.7	38

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19	Simultaneous meteor echo observations by large-aperture VHF and UHF radars. <i>Radio Science</i> , 1998, 33, 1641-1654.	0.8	36
20	Observations of convective and dynamical instabilities in tropopause folds and their contribution to stratosphere-troposphere exchange. <i>Journal of Geophysical Research</i> , 1999, 104, 21549-21568.	3.3	34
21	Anomalous scaling of mesoscale tropospheric humidity fluctuations. <i>Geophysical Research Letters</i> , 2000, 27, 377-380.	1.5	33
22	Command and Control for Multifunction Phased Array Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5899-5912.	2.7	33
23	A comparison of PMSE and other ground-based observations during the NLC-91 campaign. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1995, 57, 35-44.	0.9	32
24	Cupri observations of PMSE during Salvo B of NLC-91: Evidence of both partial reflection and turbulent scatter. <i>Geophysical Research Letters</i> , 1993, 20, 2291-2294.	1.5	31
25	Electric field measurements in the vicinity of noctilucent clouds and PMSE. <i>Geophysical Research Letters</i> , 1993, 20, 2299-2302.	1.5	31
26	Studies of polar mesosphere summer echoes by VHF radar and rocket probes. <i>Advances in Space Research</i> , 1994, 14, 139-148.	1.2	29
27	Meteoric dust effects on D-region incoherent scatter radar spectra. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1998, 60, 349-357.	0.6	27
28	First height comparison of noctilucent clouds and simultaneous PMSE. <i>Geophysical Research Letters</i> , 1993, 20, 2845-2848.	1.5	26
29	Further effects of charged aerosols on summer mesospheric radar scatter. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996, 58, 661-672.	0.9	25
30	Multi-PRI Signal Processing for the Terminal Doppler Weather Radar. Part II: Range-“Velocity Ambiguity Mitigation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005, 22, 1507-1519.	0.5	24
31	Towards the Next Generation Operational Meteorological Radar. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1357-E1383.	1.7	21
32	Determining the Cascade of Passive Scalar Variance in the Lower Stratosphere. <i>Physical Review Letters</i> , 2000, 85, 5663-5666.	2.9	19
33	Tropospheric ozone layers observed during PEM-Tropics B. <i>Journal of Geophysical Research</i> , 2001, 106, 32527-32538.	3.3	19
34	Multi-PRI Signal Processing for the Terminal Doppler Weather Radar. Part I: Clutter Filtering. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005, 22, 575-582.	0.5	18
35	Observation of pollution plume capping by a tropopause fold. <i>Geophysical Research Letters</i> , 2001, 28, 3243-3246.	1.5	16
36	CUPRI system configuration for NLC-91 and observations of PMSE during Salvo A. <i>Geophysical Research Letters</i> , 1993, 20, 2287-2290.	1.5	14

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37	Weather Radar Network Benefit Model for Tornadoes. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 971-987.	0.6	14
38	A reevaluation of the Stokes drift in the polar summer mesosphere. <i>Journal of Geophysical Research</i> , 1992, 97, 887-897.	3.3	13
39	Observations of polar mesosphere summer echoes at EISCAT during summer 1991. <i>Radio Science</i> , 1995, 30, 1219-1228.	0.8	13
40	PMSE dependence on long-period vertical motions. <i>Geophysical Research Letters</i> , 1995, 22, 1197-1200.	1.5	12
41	Aircraft observations of boundary layer turbulence: Intermittency and the cascade of energy and passive scalar variance. <i>Journal of Geophysical Research</i> , 2001, 106, 32469-32479.	3.3	12
42	Stratosphere-troposphere ozone exchange observed with the Indian MST radar and a simultaneous balloon-borne ozonesonde. <i>Radio Science</i> , 1998, 33, 861-893.	0.8	11
43	High-resolution stratospheric dynamics measurements with the NASA/JPL Goldstone Solar System Radar. <i>Geophysical Research Letters</i> , 1996, 23, 1909-1912.	1.5	10
44	Comment on "Reinterpreting aircraft measurement in anisotropic scaling turbulence" by Lovejoy et al. (2009). <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1401-1402.	1.9	10
45	A Neural Network Approach for Waveform Generation and Selection with Multi-Mission Radar. , 2019, , .		9
46	Cupri observations of PMSE during Salvo C of NLC91: Evidence of a depressed mesopause temperature. <i>Geophysical Research Letters</i> , 1993, 20, 2295-2298.	1.5	8
47	A New Radio Frequency Interference Filter for Weather Radars. <i>Journal of Atmospheric and Oceanic Technology</i> , 2017, 34, 1393-1406.	0.5	8
48	Trace gas study accumulates forty million frequent flyer miles for science. <i>Eos</i> , 1999, 80, 377-384.	0.1	6
49	Weather Radar Network Benefit Model for Flash Flood Casualty Reduction. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 589-604.	0.6	6
50	Isentropic scaling analysis of ozone in the upper troposphere and lower stratosphere. <i>Journal of Geophysical Research</i> , 2001, 106, 10023-10038.	3.3	5
51	The Need for Spectrum and the Impact on Weather Observations. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1402-E1407.	1.7	5
52	Weather Radar Network Benefit Model for Nontornadic Thunderstorm Wind Casualty Cost Reduction. <i>Weather, Climate, and Society</i> , 2020, 12, 789-804.	0.5	5
53	Geospatial QPE Accuracy Dependence on Weather Radar Network Configurations. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 1773-1792.	0.6	4
54	Quantification of radar QPE performance based on SENSR network design possibilities. , 2018, , .		3

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55	A new spatial interferometry capability using the Arecibo 430-MHz radar. Radio Science, 1997, 32, 749-755.	0.8	2
56	Terminal Doppler Weather Radar enhancements. , 2010, , .		2
57	Upgraded Doppler Rayleigh lidar and comparisons with stratospheric radar. 1. Observations following initial system modifications. , 0, , .		1
58	Progressive posthÄmorrhagische Ventrikelerweiterung des FrÄ¼hgeborenen. Monatsschrift Fur Kinderheilkunde, 2000, 148, 1072-1077.	0.1	1
59	Enhanced Signal Processing Algorithms for the ASR-9 Weather Systems Processor. Journal of Atmospheric and Oceanic Technology, 2015, 32, 1847-1859.	0.5	1