Takuji Nakamura

List of Publications by Year
in descending order

237	6,050	81434	129628
papers	citations	41 h-index	63 g-index

243	243	243	3141
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Propagation Direction Analyses of Mediumâ€Scale Traveling Ionospheric Disturbances Observed Over North America With GPSâ€TEC Perturbation Maps by Threeâ€Dimensional Spectral Analysis Method. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	4
2	Statistical Study of Seasonal and Solar Activity Dependence of Nighttime MSTIDs Occurrence Using the SuperDARN Hokkaido Pair of Radars. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	3
3	Detection of Polar Mesospheric Clouds Utilizing Himawariâ€8/AHI Fullâ€Disk Images. Earth and Space Science, 2022, 9, .	1.1	0
4	Relationship between Na layer and CNA variations observed at Syowa, Antarctic. Earth, Planets and Space, 2021, 73, .	0.9	2
5	Role Of the Sun and the Middle atmosphere/thermosphere/ionosphere In Climate (ROSMIC): a retrospective and prospective view. Progress in Earth and Planetary Science, 2021, 8, .	1.1	13
6	Horizontal Movement of Polar Mesospheric Clouds observed from the Himawariâ€8 Geostationary Meteorological Satellite. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035081.	1.2	2
7	Mesospheric Shortâ€Period Gravity Waves in the Antarctic Peninsula Observed in Allâ€Sky Airglow Images and Their Possible Source Locations. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	1.2	1
8	Relationship between radar cross section and optical magnitude based on radar and optical simultaneous observations of faint meteors. Planetary and Space Science, 2020, 194, 105011.	0.9	4
9	First Direct Observational Evidence for Secondary Gravity Waves Generated by Mountain Waves Over the Andes. Geophysical Research Letters, 2020, 47, e2020GL088845.	1.5	22
10	Wavenumber Spectra of Atmospheric Gravity Waves and Mediumâ€Scale Traveling Ionospheric Disturbances Based on More Than 10â€Year Airglow Images in Japan, Russia, and Canada. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA026807.	0.8	9
11	Geographical and Seasonal Variability of Mesospheric Bores Observed from the International Space Station. Journal of Geophysical Research: Space Physics, 2019, 124, 3775-3785.	0.8	11
12	Preliminary Dual-Satellite Observations of Atmospheric Gravity Waves in Airglow. Atmosphere, 2019, 10, 650.	1.0	12
13	Observation of Synchronization Between Instabilities of the Sporadic E Layer and Geomagnetic Field Line Connected F Region Mediumâ€Scale Traveling Ionospheric Disturbances. Journal of Geophysical Research: Space Physics, 2019, 124, 4627-4638.	0.8	9
14	Threeâ€Dimensional Fourier Analysis of the Phase Velocity Distributions of Mesospheric and Ionospheric Waves Based on Airglow Images Collected Over 10 Years: Comparison of Magadan, Russia, and Athabasca, Canada. Journal of Geophysical Research: Space Physics, 2019, 124, 8110-8124.	0.8	9
15	Vertical fine structure and time evolution of plasma irregularities in the Es layer observed by a high-resolution Ca+ lidar. Earth, Planets and Space, 2019, 71, .	0.9	10
16	Statistical Analysis of the Phase Velocity Distribution of Mesospheric and Ionospheric Waves Observed in Airglow Images Over a 16â€Year Period: Comparison Between Rikubetsu and Shigaraki, Japan. Journal of Geophysical Research: Space Physics, 2018, 123, 6930-6947.	0.8	15
17	Comparison of gravity wave propagation directions observed by mesospheric airglow imaging at three different latitudes using the M-transform. Annales Geophysicae, 2018, 36, 1597-1605.	0.6	8
18	Initial report on polar mesospheric cloud observations by Himawari-8. Atmospheric Measurement Techniques, 2018, 11, 6163-6168.	1.2	5

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19	Comparison of Dust Impact and Solitary Wave Signatures Detected by Multiple Electric Field Antennas Onboard the MMS Spacecraft. Journal of Geophysical Research: Space Physics, 2018, 123, 6119-6129.	0.8	16
20	Effects of Horizontal Wind Structure on a Gravity Wave Event in the Middle Atmosphere Over Syowa (69^{Â°}S, 40^{Â°}E), the Antarctic. Geophysical Research Letters, 2018, 45, 5151-5157.	1.5	10
21	Responses of Lower Thermospheric Temperature to the 2013 St. Patrick's Day Geomagnetic Storm. Geophysical Research Letters, 2018, 45, 4656-4664.	1.5	15
22	Simultaneous Observations of Polar Mesosphere Winter Echoes and Cosmic Noise Absorptions in a Common Volume by the PANSY Radar (69.0Â°S, 39.6Â°E). Journal of Geophysical Research: Space Physics, 2018, 123, 5019-5032.	0.8	7
23	Historical space weather monitoring of prolonged aurora activities in Japan and in China. Space Weather, 2017, 15, 392-402.	1.3	14
24	Variations of global gravity waves derived from 14Âyears of SABER temperature observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6231-6249.	1.2	50
25	Cosmic ray oriented performance studies for the JEM-EUSO first level trigger. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 866, 150-163.	0.7	17
26	Characteristics of ripple structures revealed in OH airglow images. Journal of Geophysical Research: Space Physics, 2017, 122, 3748-3759.	0.8	10
27	A scheme for forecasting severe space weather. Journal of Geophysical Research: Space Physics, 2017, 122, 2824-2835.	0.8	28
28	Meteor studies in the framework of the JEM-EUSO program. Planetary and Space Science, 2017, 143, 245-255.	0.9	17
29	Characteristics of mesospheric gravity waves over Antarctica observed by Antarctic Gravity Wave Instrument Network imagers using 3â€Ð spectral analyses. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8969-8981.	1.2	16
30	Simultaneous observation of gravity waves at PMC altitude from AIM/CIPS experiment and PANSY radar over Syowa (69Â°S, 39Â°E). Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 164, 324-331.	0.6	6
31	Sixteen year variation of horizontal phase velocity and propagation direction of mesospheric and thermospheric waves in airglow images at Shigaraki, Japan. Journal of Geophysical Research: Space Physics, 2017, 122, 8770-8780.	0.8	21
32	Statistical investigation of Na layer response to geomagnetic activity using resonance scattering measurements by Odin/OSIRIS. Geophysical Research Letters, 2017, 44, 5943-5950.	1.5	3
33	Rayleigh/Raman lidar observations of gravity wave activity from 15 to 70Âkm altitude over Syowa (69Â°S,) Tj ETQq1 1 0.784314 rgBT /O	1.2	9
34	Characteristics of Mesosphere Echoes over Antarctica Obtained Using PANSY and MF Radars. Scientific Online Letters on the Atmosphere, 2017, 13A, 19-23.	0.6	5
35	First mesospheric wind images using the Michelson interferometer for airglow dynamics imaging. Applied Optics, 2016, 55, 10105.	2.1	7
36	Persistent longitudinal variations in 8â€‰years of CIPS/AIM polar mesospheric clouds. Journal of Geophysical Research D: Atmospheres, 2016, 121, 8390-8409.	1.2	9

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37	MU radar head echo observations of the 2012 October Draconid outburst. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3273-3280.	1.6	10
38	A mechanism to explain the variations of tropopause and tropopause inversion layer in the Arctic region during a sudden stratospheric warming in 2009. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,932.	1.2	5
39	Three years of concentric gravity wave variability in the mesopause as observed by IMAP/VISI. Geophysical Research Letters, 2016, 43, 11,528.	1.5	13
40	A scanning Raman lidar for observing the spatio-temporal distribution of water vapor. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 150-151, 21-30.	0.6	6
41	Special issue â€œInternational CAWSES-II Symposiumâ€• Earth, Planets and Space, 2016, 68, .	0.9	1
42	Upper Atmosphere Observations by Resonance Scatter Lidars. Journal of the Institute of Electrical Engineers of Japan, 2016, 136, 538-541.	0.0	1
43	Formation of polar ionospheric tongue of ionization during minor geomagnetic disturbed conditions. Journal of Geophysical Research: Space Physics, 2015, 120, 6860-6873.	0.8	19
44	Performances of JEMâ€“EUSO: energy and X max reconstruction. Experimental Astronomy, 2015, 40, 183-214.	1.6	7
45	Calibration aspects of the JEM-EUSO mission. Experimental Astronomy, 2015, 40, 91-116.	1.6	5
46	A sporadic sodium layer event detected with fiveâ€directional lidar and simultaneous wind, electron density, and electric field observation at TromsÃ¸ Norway. Geophysical Research Letters, 2015, 42, 9190-9196.	1.5	14
47	A thermospheric Na layer event observed up to 140â€‰km over Syowa Station (69.0Â°S, 39.6Â°E) in Antarctica. Geophysical Research Letters, 2015, 42, 3647-3653.	1.5	28
48	The infrared camera onboard JEM-EUSO. Experimental Astronomy, 2015, 40, 61-89.	1.6	7
49	Ground-based tests of JEM-EUSO components at the Telescope Array site, â€œEUSO-TAâ€• Experimental Astronomy, 2015, 40, 301-314.	1.6	16
50	The JEM-EUSO mission: An introduction. Experimental Astronomy, 2015, 40, 3-17.	1.6	38
51	Balloon-borne observations of lower stratospheric water vapor at Syowa Station, Antarctica in 2013. Polar Science, 2015, 9, 345-353.	0.5	8
52	The JEM-EUSO observation in cloudy conditions. Experimental Astronomy, 2015, 40, 135-152.	1.6	10
53	JEM-EUSO: Meteor and nuclearite observations. Experimental Astronomy, 2015, 40, 253-279.	1.6	27
54	Vertical Wind Disturbances during a Strong Wind Event Observed by the PANSY Radar at Syowa Station, Antarctica. Monthly Weather Review, 2015, 143, 1804-1821.	0.5	10

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55	The JEM-EUSO instrument. Experimental Astronomy, 2015, 40, 19-44.	1.6	45
56	Height and time characteristics of seasonal and diurnal variations in PMWE based on 1â€‰year observations by the PANSY radar (69.0Â°S, 39.6Â°E). Geophysical Research Letters, 2015, 42, 2100-2108.	1.5	16
57	Science of atmospheric phenomena with JEM-EUSO. Experimental Astronomy, 2015, 40, 239-251.	1.6	8
58	The EUSO-Balloon pathfinder. Experimental Astronomy, 2015, 40, 281-299.	1.6	31
59	Performances of JEM-EUSO: angular reconstruction. Experimental Astronomy, 2015, 40, 153-177.	1.6	8
60	Ultra high energy photons and neutrinos with JEM-EUSO. Experimental Astronomy, 2015, 40, 215-233.	1.6	3
61	JEM-EUSO observational technique and exposure. Experimental Astronomy, 2015, 40, 117-134.	1.6	16
62	Variations of nitric oxide in the mesosphere and lower thermosphere over Antarctica associated with a magnetic storm in April 2012. Geophysical Research Letters, 2014, 41, 2568-2574.	1.5	12
63	CME front and severe space weather. Journal of Geophysical Research: Space Physics, 2014, 119, 10,041.	0.8	35
64	A case study of ionospheric storm effects during longâ€‘lasting southward IMF B_zâ€‘driven geomagnetic storm. Journal of Geophysical Research: Space Physics, 2014, 119, 7716-7731.	0.8	34
65	Atmospheric gravity waves excited by a fireball meteor: Observations and modeling. Journal of Geophysical Research D: Atmospheres, 2014, 119, 8583-8605.	1.2	2
66	Program of the Antarctic Syowa MST/IS radar (PANSY). Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 118, 2-15.	0.6	66
67	New statistical analysis of the horizontal phase velocity distribution of gravity waves observed by airglow imaging. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9707-9718.	1.2	27
68	Groundâ€‘based observations of nitric oxide in the mesosphere and lower thermosphere over Antarctica in 2012â€“2013. Journal of Geophysical Research: Space Physics, 2014, 119, 7745-7761.	0.8	8
69	Gravity wave characteristics in the mesopause region revealed from OH airglow imager observations over Northern Colorado. Journal of Geophysical Research: Space Physics, 2014, 119, 630-645.	0.8	20
70	Vertical propagation of a mesoscale gravity wave from the lower to the upper atmosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 97, 29-36.	0.6	20
71	Inertiaâ€‘gravity wave in the polar mesopause region inferred from successive images of a meteor train. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3047-3052.	1.2	6
72	The Meteoroid Input Function and predictions of mid-latitude meteor observations by the MU radar. Icarus, 2013, 223, 444-459.	1.1	30

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73	An evaluation of the exposure in nadir observation of the JEM-EUSO mission. Astroparticle Physics, 2013, 44, 76-90.	1.9	102
74	Studies of gravity wave propagation in the mesosphere observed by MU radar. Annales Geophysicae, 2013, 31, 845-858.	0.6	3
75	Simultaneous PMC and PMSE observations with a ground-based lidar and SuperDARN HF radar at Syowa Station, Antarctica. Annales Geophysicae, 2013, 31, 1793-1803.	0.6	4
76	MU head echo observations of the 2010 Geminids: radiant, orbit, and meteor flux observing biases. Annales Geophysicae, 2013, 31, 439-449.	0.6	13
77	Decrease in sodium density observed during auroral particle precipitation over TromsÃ¸, Norway. Geophysical Research Letters, 2013, 40, 4486-4490.	1.5	19
78	TARA: Forward-scattered radar detection of UHECR at the telescope array. EPJ Web of Conferences, 2013, 53, 08012.	0.1	2
79	A meteor head echo analysis algorithm for the lower VHF band. Annales Geophysicae, 2012, 30, 639-659.	0.6	30
80	Adaptive Beamforming Technique for Accurate Vertical Wind Measurements with Multichannel MST Radar. Journal of Atmospheric and Oceanic Technology, 2012, 29, 1769-1775.	0.5	13
81	Mesospheric concentric gravity waves generated by multiple convective storms over the North American Great Plain. Journal of Geophysical Research, 2012, 117, .	3.3	55
82	Comparison of diurnal tide in models and ground-based observations during the 2005 equinox CAWSES tidal campaign. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 78-79, 19-30.	0.6	20
83	MU radar head echo observations of the 2011 October Draconids. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1799-1806.	1.6	25
84	The 2009-2010 MU radar head echo observation programme for sporadic and shower meteors: radiant densities and diurnal rates. Monthly Notices of the Royal Astronomical Society, 2012, 425, 135-146.	1.6	34
85	Multimodel climate and variability of the stratosphere. Journal of Geophysical Research, 2011, 116, .	3.3	139
86	Long-term observations of the wind field in the Antarctic and Arctic mesosphere and lower-thermosphere at conjugate latitudes. Journal of Geophysical Research, 2011, 116, .	3.3	15
87	Mesopause-region temperature and wind measurements with pseudorandom modulation continuous-wave (PMCW) lidar at 589 nm. Applied Optics, 2011, 50, 2916.	2.1	11
88	First results from the 2009-2010 MU radar head echo observation programme for sporadic and shower meteors: the Orionids 2009. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2550-2559.	1.6	40
89	Air Shower Detection by Bistatic Radar. , 2011, , .		2
90	The increase in OH rotational temperature during an active aurora event. Annales Geophysicae, 2010, 28, 705-710.	0.6	9

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91	Mesospheric bore formation from large-scale gravity wave perturbations observed by collocated all-sky OH imager and sodium lidar. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 7-18.	0.6	29
92	Variability of gravity wave occurrence frequency and propagation direction in the upper mesosphere observed by the OH imager in Northern Colorado. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 457-462.	0.6	19
93	Variations of OH rotational temperature over Syowa Station in the austral winter of 2008. Earth, Planets and Space, 2010, 62, 655-661.	0.9	3
94	Seasonal and local time variability of ripples from airglow imager observations in US and Japan. Annales Geophysicae, 2010, 28, 1401-1408.	0.6	19
95	MU Radar and Lidar Observations of Clear-Air Turbulence underneath Cirrus. Monthly Weather Review, 2010, 138, 438-452.	0.5	23
96	Simultaneous Observations of Thin Humidity Gradients in the Lower Troposphere with a Raman Lidar and the Very High-Frequency Middle- and Upper-Atmosphere Radar. Journal of Atmospheric and Oceanic Technology, 2010, 27, 950-956.	0.5	8
97	On the consistency of model, groundâ€based, and satellite observations of tidal signatures: Initial results from the CAWSES tidal campaigns. Journal of Geophysical Research, 2010, 115, .	3.3	43
98	Seasonal variation of nocturnal temperature and sodium density in the mesopause region observed by a resonance scatter lidar over Uji, Japan. Journal of Geophysical Research, 2010, 115, .	3.3	9
99	Effects of radar beam width and scatterer anisotropy on multiple-frequency range imaging using VHF atmospheric radar. Radio Science, 2010, 45, n/a-n/a.	0.8	3
100	Simultaneous airglow, lidar, and radar measurements of mesospheric gravity waves over Japan. Journal of Geophysical Research, 2010, 115, .	3.3	25
101	Characteristics of equatorial gravity waves derived from mesospheric airglow imaging observations. Annales Geophysicae, 2009, 27, 1625-1629.	0.6	22
102	Equatorial GPS ionospheric scintillations over Kototabang, Indonesia and their relation to atmospheric waves from below. Earth, Planets and Space, 2009, 61, 397-410.	0.9	10
103	Radar observations of the diurnal tide in the tropical mesosphere-lower thermosphere region: Longitudinal variabilities. Earth, Planets and Space, 2009, 61, 513-524.	0.9	15
104	Wind observation around the tops of the midlatitude cirrus by the MU radar and Raman/Mie lidar. Earth, Planets and Space, 2009, 61, e33-e36.	0.9	5
105	Longitudinal variability in intraseasonal oscillation in the tropical mesosphere and lower thermosphere region. Journal of Geophysical Research, 2009, 114, .	3.3	16
106	Observation of local tidal variability and instability, along with dissipation of diurnal tidal harmonics in the mesopause region over Fort Collins, Colorado (41Â°N, 105Â°W). Journal of Geophysical Research, 2009, 114, .	3.3	17
107	Concentric gravity waves in the mesosphere generated by deep convective plumes in the lower atmosphere near Fort Collins, Colorado. Journal of Geophysical Research, 2009, 114, .	3.3	103
108	Critical level interaction of a gravity wave with background winds driven by a largeâ€scale wave perturbation. Journal of Geophysical Research, 2009, 114, .	3.3	9

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109	Meteor Orbit Determinations with Multistatic Receivers Using the MU Radar. Earth, Moon and Planets, 2008, 102, 309-314.	0.3	1
110	Atmospheric gravity waves identified by ground-based observations of the intensity and rotational temperature of OH airglow. Polar Science, 2008, 2, 1-8.	0.5	5
111	The 5-8-Day Kelvin and Rossby Waves in the Tropics as Revealed by Ground and Satellite-Based Observations. Journal of the Meteorological Society of Japan, 2008, 86, 43-55.	0.7	5
112	Gravity wave momentum flux in the upper mesosphere derived from OH airglow imaging measurements. Earth, Planets and Space, 2007, 59, 421-428.	0.9	28
113	Development of airglow temperature photometers with cooled-CCD detectors. Earth, Planets and Space, 2007, 59, 585-599.	0.9	13
114	A concentric gravity wave structure in the mesospheric airglow images. Journal of Geophysical Research, 2007, 112, .	3.3	53
115	LowerEregion field-aligned irregularities studied using the Equatorial Atmosphere Radar and meteor radar in Indonesia. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	21
116	An intense gravity wave near the mesopause region observed by a Fabry-Perot interferometer and an airglow imager. Journal of Geophysical Research, 2007, 112, .	3.3	3
117	Semidiurnal tides from the extended Canadian Middle Atmosphere Model (CMAM) and comparisons with TIMED Doppler interferometer (TIDI) and meteor radar observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 2159-2202.	0.6	32
118	Estimation of Humidity Profiles by Combining Co-Located VHF and UHF Wind-Profiling Radar Observation. Journal of the Meteorological Society of Japan, 2007, 85, 301-319.	0.7	6
119	Meteor Orbit Determinations with Multistatic Receivers Using the MU Radar. , 2007, , 309-314.		0
120	Simultaneous mesosphere-lower thermosphere and thermosphericFregion observations using middle and upper atmosphere radar. Journal of Geophysical Research, 2006, 111, .	3.3	6
121	Mesospheric gravity waves observed near equatorial and lowâ€“middle latitude stations: wave characteristics and reverse ray tracing results. Annales Geophysicae, 2006, 24, 3229-3240.	0.6	32
122	Reverse ray tracing of the mesospheric gravity waves observed at 23Â°S (Brazil) and 7Â°S (Indonesia) in airglow imagers. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 163-181.	0.6	41
123	Observations of the 7-day Kelvin Wave in the Tropical Atmosphere During the CPEA Campaign. Journal of the Meteorological Society of Japan, 2006, 84A, 259-275.	0.7	15
124	A Report on Radar Observations of 5-8-day Waves in the Equatorial MLT Region. Journal of the Meteorological Society of Japan, 2006, 84A, 295-304.	0.7	8
125	A Multi-Instrument Measurement of a Mesospheric Front-Like at the Equator Structure. Journal of the Meteorological Society of Japan, 2006, 84A, 305-316.	0.7	13
126	Lidar Observations of Sporadic Fe and Na Layers in the Mesopause Region over Equator. Journal of the Meteorological Society of Japan, 2006, 84A, 317-325.	0.7	12

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127	Simultaneous observation of dual-site airglow imagers and a sodium temperature-wind lidar, and effect of atmospheric stability on the airglow structure. Advances in Space Research, 2005, 35, 1957-1963.	1.2	16
128	Waves in airglow structures experiment 2004: Overview and preliminary results. Advances in Space Research, 2005, 35, 1964-1970.	1.2	5
129	Airglow OH emission height inferred from the OH temperature and meteor trail diffusion coefficient. Advances in Space Research, 2005, 35, 1940-1944.	1.2	10
130	Geomagnetic conjugate observation of nighttime medium-scale and large-scale traveling ionospheric disturbances: FRONT3 campaign. Journal of Geophysical Research, 2005, 110, .	3.3	96
131	Interannual variability of diurnal tide in the tropical mesopause region: A signature of the El Nino-Southern Oscillation (ENSO). Geophysical Research Letters, 2005, 32, .	1.5	52
132	Climatological lower thermosphere winds as seen by ground-based and space-based instruments. Annales Geophysicae, 2004, 22, 1931-1945.	0.6	10
133	Foil chaff ejection systems for rocket-borne measurement of neutral winds in the mesosphere and lower thermosphere. Review of Scientific Instruments, 2004, 75, 2346-2350.	0.6	5
134	Comparison of winds measured by MU radar and Fabryâ€“Perot interferometer and effect of OI5577 airglow height variations. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 573-583.	0.6	14
135	Comparison of OH rotational temperatures measured by the spectral airglow temperature imager (SATI) and by a tilting-filter photometer. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 891-897.	0.6	10
136	Mesosphere/lower thermosphere prevailing wind model. Advances in Space Research, 2004, 34, 1755-1762.	1.2	52
137	Atmospheric density and pressure inferred from the meteor diffusion coefficient and airglow O2b temperature in the MLT region. Earth, Planets and Space, 2004, 56, 249-258.	0.9	8
138	Simultaneous mesosphere/lower thermosphere and thermosphericFregion observations during geomagnetic storms. Journal of Geophysical Research, 2004, 109, .	3.3	15
139	Intraseasonal oscillations of the zonal wind near the mesopause observed with medium-frequency and meteor radars in the tropics. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	32
140	The 2-day wave during the boreal summer of 1994. Journal of Geophysical Research, 2004, 109, .	3.3	25
141	Interferometric meteor radar phase calibration using meteor echoes. Radio Science, 2004, 39, n/a-n/a.	0.8	24
142	Combined temperature lidar for measurements in the troposphere, stratosphere, and mesosphere. Applied Optics, 2004, 43, 2930.	2.1	78
143	Atmospheric wind effects on the gravity wave propagation observed at 22.7Â° S-Brazil. Advances in Space Research, 2003, 32, 819-824.	1.2	9
144	The lowest mesopause temperature in 1996 and 1997 at 23Â°S. Advances in Space Research, 2003, 32, 1781-1786.	1.2	3

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145	Lunar tidal winds in the upper atmosphere over Jakarta. Journal of Geophysical Research, 2003, 108, .	3.3	19
146	A localized structure in OH airglow images near the mesopause region. Journal of Geophysical Research, 2003, 108, .	3.3	8
147	Statistical study of short-period gravity waves in OH and OI nightglow images at two separated sites. Journal of Geophysical Research, 2003, 108, .	3.3	66
148	The 6.5-day wave in the mesosphere and lower thermosphere: Evidence for baroclinic/barotropic instability. Journal of Geophysical Research, 2003, 108, .	3.3	75
149	Equatorial Atmosphere Radar (EAR): System description and first results. Radio Science, 2003, 38, n/a-n/a.	0.8	147
150	Mesospheric gravity waves over a tropical convective region observed by OH airglow imaging in Indonesia. Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	75
151	Thermospheric wind during a storm-time large-scale traveling ionospheric disturbance. Journal of Geophysical Research, 2003, 108, .	3.3	46
152	Recent upgrades of the rotational vibrational-rotational Raman lidar of RASC, Kyoto University, Japan: first results. , 2003, , .		0
153	A two-channel Fabry-Perot interferometer with thermoelectric-cooled CCD detectors for neutral wind measurement in the upper atmosphere. Earth, Planets and Space, 2003, 55, 271-275.	0.9	41
154	TV Observation of the Leonid Meteor Shower in 2002: First Observation of a Faint Meteor Storm. Publication of the Astronomical Society of Japan, 2003, 55, 1157-1162.	1.0	5
155	Rotational vibrational-rotational Raman lidar: design and performance of the RASC Raman lidar at Shigaraki, Japan (34.8 degrees N, 136.1 degrees E). , 2002, , .		4
156	Calculation of the calibration constant of polarization lidar and its dependency on atmospheric temperature. Optics Express, 2002, 10, 805.	1.7	154
157	Combined Raman lidar for the measurement of atmospheric temperature, water vapor, particle extinction coefficient, and particle backscatter coefficient. Applied Optics, 2002, 41, 7657.	2.1	123
158	Convectively generated mesoscale gravity waves simulated throughout the middle atmosphere. Geophysical Research Letters, 2002, 29, 3-1.	1.5	97
159	First measurement of atmospheric density and pressure by meteor diffusion coefficient and airglow OH temperature in the mesopause region. Geophysical Research Letters, 2002, 29, 6-1-6-4.	1.5	19
160	Dual-site imaging observations of small-scale wave structures through OH and OI nightglow emissions. Geophysical Research Letters, 2002, 29, 85-1-85-4.	1.5	14
161	Horizontal structure of wind velocity field around the mesopause region derived from meteor radar observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 947-958.	0.6	6
162	Global-scale tidal structure in the mesosphere and lower thermosphere during the PSMOS campaign of Juneâ€“August 1999 and comparisons with the global-scale wave model. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1011-1035.	0.6	62

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163	Comparative study of interannual changes of the mean winds and gravity wave activity in the middle atmosphere over Japan, Central Europe and Canada. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1003-1010.	0.6	32
164	Long-Period wind oscillations in the mesosphere and lower thermosphere at Yamagawa (32Â°N,131Â°E), Pontianak (0Â°N,109Â°E) and Christmas Island (2Â°N,157Â°W). Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1055-1067.	0.6	12
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