

Yasuhiro Murayama

List of Publications by Year in descending order

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80
papers

2,556
citations

249298

26
h-index

232693

48
g-index

85
all docs

85
docs citations

85
times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlinking open science and community-based participatory research for socio-environmental issues. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 54-61.	3.1	18
2	Tidal modulations of mesospheric gravity wave kinetic energy observed with MF radar at Poker Flat Research Range, Alaska. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6379-6390.	1.2	6
3	Planetary wave induced wind and airglow oscillations in the middle latitude MLT region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 98, 97-104.	0.6	7
4	Mesosphere summer echoes observed with the SuperDARN Hokkaido HF radar at Rikubetsu, Japan (43.5°N). <i>Earth, Planets and Space</i> , 2013, 65, 1593-1597.	0.9	4
5	Performance and Technique of Coherent 2-1/4m Differential Absorption and Wind Lidar for Wind Measurement. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 429-449.	0.5	36
6	Typhoon-induced concentric airglow structures in the mesopause region. <i>Geophysical Research Letters</i> , 2013, 40, 5983-5987.	1.5	40
7	Evidence of gravity wave ducting in the mesopause region from airglow network observations. <i>Geophysical Research Letters</i> , 2013, 40, 601-605.	1.5	30
8	Solar-Terrestrial Data Analysis and Reference System (STARS) - Its High Potentiality for Collaborative Research. <i>Data Science Journal</i> , 2013, 12, WDS225-WDS228.	0.6	1
9	STRUCTURE OF STABLE NOCTURNAL BOUNDARY LAYER IN URBAN AREA DETECTED IN A DOPPLER LIDAR OBSERVATION. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2012, 68, I_1777-I_1782.	0.0	0
10	Establishment of WDS-International Programme Office and Japanese Contribution. <i>Trends in the Sciences</i> , 2012, 17, 6_24-6_26.	0.0	0
11	STRUCTURE OF TURBULENCE IN THE URBAN ATMOSPHERIC BOUNDARY LAYER DETECTED IN THE DOPPLER LIDAR OBSERVATION. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2011, 67, I_313-I_318.	0.0	1
12	Mesosphere summer echoes observed with VHF and MF radars at Wakkanai, Japan (45.4°N). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 2132-2141.	0.6	6
13	Characteristics of nighttime medium-scale traveling ionospheric disturbances observed over Alaska. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	26
14	Strong Updraft at a Sea-Breeze Front and Associated Vertical Transport of Near-Surface Dense Aerosol Observed by Doppler Lidar and Ceilometer. <i>Boundary-Layer Meteorology</i> , 2011, 141, 117-142.	1.2	17
15	Meso-13-scale convective systems observed by a 443-MHz wind-profiling radar with RASS in the Okinawa subtropical region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 996-1009.	0.6	5
16	Observations of temperature profiles by 443 MHz wind profiling radar using a radio acoustic sounding system in Okinawa. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1010-1019.	0.6	1
17	The Level 2 research product algorithms for the Superconducting Submillimeter-Wave Limb-Emission Sounder (SMILES). <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2105-2124.	1.2	49
18	Tidal waves in the polar lower thermosphere observed using the EISCAT long run data set obtained in September 2005. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	7

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19	Overview and early results of the Superconducting Submillimeter-Wave Limb-Emission Sounder (SMILES). <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	127
20	Validation of Refractivity Profiles Retrieved from FORMOSAT-3/COSMIC Radio Occultation Soundings: Preliminary Results of Statistical Comparisons Utilizing Balloon-Borne Observations. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 51.	0.3	10
21	Noctilucent cloud in the western Arctic in 2005: Simultaneous lidar and camera observations and analysis. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 446-452.	0.6	18
22	Influence of Surface-Based Stable Layer Development on Asian Dust Behaviour Over Tokyo. <i>Boundary-Layer Meteorology</i> , 2009, 131, 263-275.	1.2	5
23	In situ observations of instabilities in the mesopause region using foil chaff technique during the Waves in Airglow Structures Experiment (WAVE) campaigns. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	3
24	Validation of ozone measurements from the Atmospheric Chemistry Experiment (ACE). <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 287-343.	1.9	134
25	The Formation of Sharp Multi-Layered Wind Structure over Tokyo Associated with Sea-breeze Circulation. <i>Scientific Online Letters on the Atmosphere</i> , 2009, 5, 1-4.	0.6	10
26	Satellite and ground-based observations of auroral energy deposition and the effects on thermospheric composition during large geomagnetic storms: 1. Great geomagnetic storm of 20 November 2003. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
27	Planetary waves in coupling the stratosphere and mesosphere during the major stratospheric warming in 2003/2004. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	109
28	Dual-Doppler lidar observation of horizontal convective rolls and near-surface streaks. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	23
29	An empirical model of the Earth's horizontal wind fields: HWM07. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	448
30	A case study of the mesospheric 6.5-day wave observed by radar systems. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	27
31	Volcanic Ash Transport from Mount Asama to the Tokyo Metropolitan Area Influenced by Large-Scale Local Wind Circulation. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 1248-1265.	0.6	10
32	Validation of the Atmospheric Chemistry Experiment (ACE) version 2.2 temperature using ground-based and space-borne measurements. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 35-62.	1.9	68
33	Latitudinal wave coupling of the stratosphere and mesosphere during the major stratospheric warming in 2003/2004. <i>Annales Geophysicae</i> , 2008, 26, 467-483.	0.6	52
34	MF/HF/VHF Radar Observations of Polar Mesosphere Summer Echoes (PMSE). <i>IEEE National Radar Conference - Proceedings</i> , 2007, . .	0.0	0
35	Stratomesospheric CO measured by a ground-based Fourier Transform Spectrometer over Poker Flat, Alaska: Comparisons with Odin/SMR and a 2D model. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	6
36	Polar mesosphere and lower thermosphere dynamics: 1. Mean wind and gravity wave climatologies. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	50

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37	Polar mesosphere and lower thermosphere dynamics: 2. Response to sudden stratospheric warmings. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	31
38	Polar vortex evolution during Northern Hemispheric winter 2004/05. <i>Annales Geophysicae</i> , 2007, 25, 1279-1298.	0.6	22
39	Large-scale thermodynamics of the stratosphere and mesosphere during the major stratospheric warming in 2003/2004. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 2338-2354.	0.6	27
40	Latitudinal and longitudinal variability of mesospheric winds and temperatures during stratospheric warming events. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 2355-2366.	0.6	158
41	Ozone profiles in the high-latitude stratosphere and lower mesosphere measured by the Improved Limb Atmospheric Spectrometer (ILAS-II): Comparison with other satellite sensors and ozonesondes. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	24
42	Validation of ILAS-II version 1.4 O ₃ , HNO ₃ , and temperature data through comparison with ozonesonde, ground-based FTS, and lidar measurements in Alaska. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	9
43	A fast-propagating, large-scale atmospheric gravity wave observed in the WAVE2004 campaign. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	7
44	Spectral type of auroral precipitating electrons estimated from optical and cosmic noise absorption measurements. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	4
45	Winter warmings, tides and planetary waves: comparisons between CMAM (with interactive) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	20
46	<title>Method and results of retrieval of HDO/H<formula><inf><roman>2</roman></inf></formula>O in atmosphere from IMG/ADEOS and FTIR data</title>. , 2006, , .		1
47	Observations of the 5-day wave in the mesosphere and lower thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 323-339.	0.6	90
48	Planetary wave coupling processes in the middle atmosphere (30â€“90km): A study involving MetO and MFR data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 353-368.	0.6	23
49	Using tweek atmospheric to measure the response of the low-middle latitude D-region ionosphere to a magnetic storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 697-709.	0.6	27
50	Ground-based measurement of stratoâ€“mesospheric CO by a FTIR spectrometer over Poker Flat, Alaska. <i>Advances in Space Research</i> , 2005, 35, 2024-2030.	1.2	17
51	Waves in airglow structures experiment 2004: Overview and preliminary results. <i>Advances in Space Research</i> , 2005, 35, 1964-1970.	1.2	5
52	Comparison between CNA and energetic electron precipitation: simultaneous observation by Poker Flat Imaging Riometer and NOAA satellite. <i>Annales Geophysicae</i> , 2005, 23, 1555-1563.	0.6	6
53	Wind Profiling with an Eye-Safe Coherent Doppler Lidar System: Comparison with Radiosondes and VHF Radar. <i>Journal of the Meteorological Society of Japan</i> , 2005, 83, 1041-1056.	0.7	8
54	Tides near the Arctic summer mesopause during the MaCWAVE/MIDAS summer program. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	24

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55	Seasonal variations of CO and HCN in the troposphere measured by solar absorption spectroscopy over Poker Flat, Alaska. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	11
56	Longitudinal and latitudinal variations in dynamic characteristics of the MLT (70~95km): a study involving the CUJO network. <i>Annales Geophysicae</i> , 2004, 22, 347-365.	0.6	31
57	Energy distribution of precipitating electrons estimated from optical and cosmic noise absorption measurements. <i>Annales Geophysicae</i> , 2004, 22, 1613-1622.	0.6	35
58	Foil chaff ejection systems for rocket-borne measurement of neutral winds in the mesosphere and lower thermosphere. <i>Review of Scientific Instruments</i> , 2004, 75, 2346-2350.	0.6	5
59	MF radar observations of terdiurnal tide in the mesosphere and lower thermosphere at Wakkanai, Japan. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 241-250.	0.6	22
60	Mesosphere/lower thermosphere prevailing wind model. <i>Advances in Space Research</i> , 2004, 34, 1755-1762.	1.2	52
61	Simultaneous mesosphere/lower thermosphere and thermospheric F-region observations during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	15
62	MF radar observations of seasonal variability of semidiurnal motions in the mesosphere at high northern and southern latitudes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2003, 65, 483-493.	0.6	66
63	Field-aligned ion motions in the polar E-F transition region: Mean characteristics. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	5
64	Equivalent electron densities at reflection heights of two E-region ionospheres in the low-middle latitude D-region ionosphere. <i>Earth, Planets and Space</i> , 2003, 55, 627-635.	0.9	31
65	Long-Period wind oscillations in the mesosphere and lower thermosphere at Yamagawa (32°N, 131°E), Pontianak (0°N, 109°E) and Christmas Island (2°N, 157°W). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 1055-1067.	0.6	12
66	The wave2000 campaign: overview and preliminary results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 1095-1104.	0.6	10
67	A comparison of mean winds and gravity wave activity in the northern and southern polar MLT. <i>Geophysical Research Letters</i> , 2001, 28, 1475-1478.	1.5	39
68	Effects of auroral arcs on the generation of gravity waves in the auroral F-region. <i>Advances in Space Research</i> , 2001, 27, 1767-1772.	1.2	1
69	Rayleigh lidar and Rayleigh Doppler lidar for measurement of the Arctic atmosphere. , 2001, 4153, 505.		3
70	D-region electron density measurements by MF radar in the middle and high latitudes. <i>Advances in Space Research</i> , 2000, 25, 25-32.	1.2	14
71	Wind observations in the MLT region over Southern Japan, by using foil chaff technique, Yamagawa MF radar and the NW radar. <i>Advances in Space Research</i> , 1999, 24, 575-578.	1.2	1
72	Cooperative wind observation in the upper mesosphere and lower thermosphere with foil chaff technique, the MU radar, and Yamagawa MF radar. <i>Earth, Planets and Space</i> , 1999, 51, 719-729.	0.9	11

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73	Rayleigh lidar observations of temperature over Tsukuba: winter thermal structure and comparison studies. <i>Earth, Planets and Space</i> , 1999, 51, 825-832.	0.9	9
74	Development of a high-resolution imaging riometer for the middle and upper atmosphere observation program at Poker Flat, Alaska. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1997, 59, 925-937.	0.6	9
75	Comparison of wind measurements between Yamagawa MF Radar and the MU Radar. <i>Geophysical Research Letters</i> , 1996, 23, 3341-3344.	1.5	31
76	Variations of the gravity wave characteristics with height, season and latitude revealed by comparative observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1994, 56, 555-568.	0.9	83
77	Gravity wave activity in the upper stratosphere and lower mesosphere observed with the Rayleigh lidar at Tsukuba, Japan. <i>Geophysical Research Letters</i> , 1994, 21, 1539-1542.	1.5	7
78	Dominant vertical scales of gravity waves in the middle atmosphere observed with the MU radar and rocketsondes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1992, 54, 339-346.	0.9	22
79	A Preliminary Report on Radiosonde Observations of the Equatorial Atmosphere Dynamics over Indonesia.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1992, 44, 1041-1055.	0.8	11
80	Seasonal variation of momentum flux in the mesosphere observed with the MU radar. <i>Geophysical Research Letters</i> , 1990, 17, 725-728.	1.5	151