

# Manabu D Yamanaka

## List of Publications by Year in descending order

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117  
papers

3,692  
citations

156536

32  
h-index

175968

55  
g-index

117  
all docs

117  
docs citations

117  
times ranked

2525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Weather radar detection of planetary boundary layer and smoke layer top of peatland fire in Central Kalimantan, Indonesia. <i>Scientific Reports</i> , 2021, 11, 367.	1.6	7
2	Natural Capital-Based Societies in the Tropics. , 2021, , 197-245.		1
3	Analysis of Spatial and Seasonal Differences in the Diurnal Rainfall Cycle over Sumatera Revealed by 17-Year TRMM 3B42 Dataset. <i>Scientific Online Letters on the Atmosphere</i> , 2019, 15, 216-221.	0.6	9
4	Interfacial, International and Interdisciplinary Studies on Maritime-Continent Peatland Controlling Global Climate. <i>Suimon Mizu Shigen Gakkaishi</i> , 2019, 32, 189-200.	0.1	0
5	Maritime continent coastlines controlling Earth's climate. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	70
6	Meridional march of diurnal rainfall over Jakarta, Indonesia, observed with a C-band Doppler radar: an overview of the HARIMAU2010 campaign. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	36
7	Diurnal cycle over a coastal area of the Maritime Continent as derived by special networked soundings over Jakarta during HARIMAU2010. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	15
8	El Niño Southern Oscillation Signature in Atmospheric Water Isotopes over Maritime Continent during Wet Season. <i>Journal of the Meteorological Society of Japan</i> , 2017, 95, 49-66.	0.7	6
9	Tropical Coastal Dehydrator in Global Atmospheric Water Circulation. <i>Geophysical Research Letters</i> , 2017, 44, 11,636.	1.5	22
10	An Overview of the Asian Monsoon Years 2007-2012 (AMY) and Multi-Scale Interactions in the Extreme Rainfall Events over the Indonesian Maritime Continent. <i>World Scientific Series on Asia-Pacific Weather and Climate</i> , 2017, , 365-385.	0.2	10
11	ENSO Influences on Rainfall Extremes around Sulawesi and Maluku Islands in the Eastern Indonesian Maritime Continent. <i>Scientific Online Letters on the Atmosphere</i> , 2016, 12, 37-41.	0.6	28
12	Physical climatology of Indonesian maritime continent: An outline to comprehend observational studies. <i>Atmospheric Research</i> , 2016, 178-179, 231-259.	1.8	94
13	Intraseasonal Variability of $\delta^{18}O$ of Precipitation over the Indonesian Maritime Continent Related to the Madden-Julian Oscillation. <i>Scientific Online Letters on the Atmosphere</i> , 2016, 12, 192-197.	0.6	10
14	How Much is the Precipitation Amount over the Tropical Coastal Region?. <i>Journal of Climate</i> , 2016, 29, 1231-1236.	1.2	62
15	Rainfall-Driven Diurnal Variations of Water Level in the Ciliwung River, West Jawa, Indonesia. <i>Scientific Online Letters on the Atmosphere</i> , 2014, 10, 141-144.	0.6	15
16	Cloud episode propagation over the Indonesian Maritime Continent from 10years of infrared brightness temperature observations. <i>Atmospheric Research</i> , 2013, 120-121, 268-286.	1.8	24
17	Regional variability of raindrop size distribution over Indonesia. <i>Annales Geophysicae</i> , 2013, 31, 1941-1948.	0.6	47
18	The Variability of Stable Isotopes and Water Origin of Precipitation over the Maritime Continent. <i>Scientific Online Letters on the Atmosphere</i> , 2013, 9, 74-78.	0.6	22

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19	The Effects of an Active Phase of the Madden-Julian Oscillation on the Extreme Precipitation Event over Western Java Island in January 2013. <i>Scientific Online Letters on the Atmosphere</i> , 2013, 9, 79-83.	0.6	57
20	First simultaneous measurement of vertical air velocity, particle fall velocity, and hydrometeor sphericity in stratiform precipitation: Results from 47 MHz wind-profiling radar and 532 nm polarization lidar observations. <i>Radio Science</i> , 2012, 47, .	0.8	4
21	Modulation of Diurnal Rainfall Cycle by the Madden-Julian Oscillation Based on One-Year Continuous Observations with a Meteorological Radar in West Sumatera. <i>Scientific Online Letters on the Atmosphere</i> , 2012, 8, 111-114.	0.6	29
22	Interannual Rainfall Variability over Northwestern Jawa and its Relation to the Indian Ocean Dipole and El Niño-Southern Oscillation Events. <i>Scientific Online Letters on the Atmosphere</i> , 2012, 8, 69-72.	0.6	57
23	Migration Process and 3D Wind Field of Precipitation Systems Associated with a Diurnal Cycle in West Sumatera: Dual Doppler Radar Analysis during the HARIMAU2006 Campaign. <i>Journal of the Meteorological Society of Japan</i> , 2011, 89, 341-361.	0.7	12
24	Convective Systems Developed along the Coastline of Sumatera Island, Indonesia, Observed with an X-band Doppler Radar during the HARIMAU2006 Campaign. <i>Journal of the Meteorological Society of Japan</i> , 2011, 89A, 61-81.	0.7	26
25	Effects of Large-scale Moisture Transport and Mesoscale Processes on Precipitation Isotope Ratios Observed at Sumatera, Indonesia. <i>Journal of the Meteorological Society of Japan</i> , 2011, 89A, 49-59.	0.7	24
26	Lower tropospheric horizontal wind over Indonesia: A comparison of wind profiler network observations with global reanalyses. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 986-995.	0.6	15
27	Observational study on diurnal precipitation cycle in equatorial Indonesia using 1.3-GHz wind profiling radar network and TRMM precipitation radar. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1031-1042.	0.6	25
28	Seasonal Changes in a Vertical Thermal Structure Producing Stable Lower-Troposphere Layers over the Inland Region of the Indochina Peninsula. <i>Journal of Climate</i> , 2011, 24, 3211-3223.	1.2	3
29	Case Study of an Intense Wind Event Associated with a Mesoscale Convective System in West Sumatera during the HARIMAU2006 Campaign. <i>Journal of the Meteorological Society of Japan</i> , 2011, 89A, 239-257.	0.7	12
30	Turbulence generation by Kelvin-Helmholtz instability in the tropical tropopause layer observed with a 47 MHz range imaging radar. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
31	Multiscale Features of Line-Shaped Precipitation System Generation in Central Japan during Late Baiu Season. <i>Journal of the Meteorological Society of Japan</i> , 2010, 88, 909-930.	0.7	4
32	Temperature Inversions over the Inland Indochina Revealed by GAME-T Enhanced Rawinsonde Observations. <i>Scientific Online Letters on the Atmosphere</i> , 2010, 6, 5-8.	0.6	10
33	Internal Structures of Migratory Cloud Systems with Diurnal Cycle over Sumatera Island during CPEA-I Campaign. <i>Journal of the Meteorological Society of Japan</i> , 2009, 87, 157-170.	0.7	21
34	The Impact of Orographically-Induced Gravity Waves on the Diurnal Cycle of Rainfall over Southeast Kalimantan Island. <i>Atmospheric and Oceanic Science Letters</i> , 2009, 2, 35-39.	0.5	11
35	Why a Large Amount of Rain Falls over the Sea in the Vicinity of Western Sumatra Island during Nighttime. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 1345-1361.	0.6	91
36	The relationship between the isotopic content of precipitation and the precipitation amount in tropical regions. <i>Journal of Geochemical Exploration</i> , 2009, 102, 113-122.	1.5	156

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37	Comparison Study of Lower-tropospheric Horizontal Wind over Sumatra, Indonesia Using NCEP/NCAR Reanalysis, Operational Radiosonde, and the Equatorial Atmosphere Radar. <i>Scientific Online Letters on the Atmosphere</i> , 2009, 5, 21-24.	0.6	5
38	Isotope ratios of precipitation and water vapor observed in Typhoon Shanshan. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	69
39	Diurnal Variation of Rainfall and Precipitable Water over Siberut Island off the Western Coast of Sumatra Island. <i>Scientific Online Letters on the Atmosphere</i> , 2008, 4, 125-128.	0.6	17
40	Differences of Rainfall Characteristics between Coastal and Interior Areas of Central Western Sumatera, Indonesia. <i>Journal of the Meteorological Society of Japan</i> , 2008, 86, 593-611.	0.7	25
41	HARIMAU Radar-Profiler Network over the Indonesian Maritime Continent: A GEOSS Early Achievement for Hydrological Cycle and Disaster Prevention. <i>Journal of Disaster Research</i> , 2008, 3, 78-88.	0.4	30
42	The Formation of Nocturnal Rainfall Offshore from Convection over Western Kalimantan (Borneo) Island. <i>Journal of the Meteorological Society of Japan</i> , 2008, 86A, 187-203.	0.7	39
43	The Impact of Trans-equatorial Monsoon Flow on the Formation of Repeated Torrential Rains over Java Island. <i>Scientific Online Letters on the Atmosphere</i> , 2007, 3, 93-96.	0.6	74
44	Precipitation in Nepal between 1987 and 1996. <i>International Journal of Climatology</i> , 2007, 27, 1753-1762.	1.5	89
45	Seasonal and interannual variations of temperature in the tropical tropopause layer (TTL) over Indonesia based on operational rawinsonde data during 1992-1999. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	10
46	Multiscale Aspects of Convective Systems Associated with an Intraseasonal Oscillation over the Indonesian Maritime Continent. <i>Monthly Weather Review</i> , 2006, 134, 1682-1696.	0.5	42
47	Lower-Stratospheric and Upper-Tropospheric Disturbances Observed by Radiosondes over Thailand during January 2000. <i>Journals of the Atmospheric Sciences</i> , 2006, 63, 3437-3447.	0.6	4
48	Climatological Description of Seasonal Variations in Lower-Tropospheric Temperature Inversion Layers over the Indochina Peninsula. <i>Journal of Climate</i> , 2006, 19, 3307-3319.	1.2	43
49	Vertical Wind Characteristics in Precipitating Cloud Systems over West Sumatera, Indonesia, Observed with Equatorial Atmosphere Radar: Case Study of 23-24 April 2004 during the First CPEA Campaign Period. <i>Journal of the Meteorological Society of Japan</i> , 2006, 84A, 113-131.	0.7	22
50	Dry Intrusions Following Eastward-Propagating Synoptic-Scale Cloud Systems over Sumatera Island. <i>Journal of the Meteorological Society of Japan</i> , 2006, 84, 277-294.	0.7	18
51	Seasonal and Interannual Variations of Diurnal Cycles of Wind and Cloud Activity Observed at Serpong, West Jawa, Indonesia. <i>Journal of the Meteorological Society of Japan</i> , 2006, 84A, 171-194.	0.7	20
52	Interannual variation of stable isotopes in precipitation at Bangkok in response to El Niño Southern Oscillation. <i>Hydrological Processes</i> , 2005, 19, 3413-3423.	1.1	38
53	Validation of Changing Water Origins over Indochina during the Withdrawal of the Asian Monsoon using Stable Isotopes. <i>Scientific Online Letters on the Atmosphere</i> , 2005, 1, 113-116.	0.6	25
54	Diurnal Cycle of Cloud System Migration over Sumatera Island. <i>Journal of the Meteorological Society of Japan</i> , 2005, 83, 835-850.	0.7	87

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55	Detailed structure within a tropical cyclone. Geophysical Research Letters, 2005, 32, .	1.5	17
56	Combined wind profiler-weather radar observations of orographic rainband around Kyushu, Japan in the Baiu season. Annales Geophysicae, 2004, 22, 3971-3982.	0.6	16
57	Diurnal Land-Sea Rainfall Peak Migration over Sumatera Island, Indonesian Maritime Continent, Observed by TRMM Satellite and Intensive Rawinsonde Soundings. Monthly Weather Review, 2004, 132, 2021-2039.	0.5	307
58	Vertical moisture transport above the mixed layer around the mountains in western Sumatra. Geophysical Research Letters, 2004, 31, .	1.5	20
59	Ozonesonde observations in the Indonesian maritime continent: a case study on ozone rich layer in the equatorial upper troposphere. Atmospheric Environment, 2003, 37, 353-362.	1.9	18
60	Gravity wave generation in the lower stratosphere due to passage of the typhoon 9426 (Orchid) observed by the MU radar at Shigaraki (34.85°N, 136.10°E). Journal of Geophysical Research, 2003, 108, .	3.3	51
61	Diurnal Variation of Precipitable Water over a Mountainous Area of Sumatra Island. Journal of Applied Meteorology and Climatology, 2003, 42, 1107-1115.	1.7	79
62	Seasonal Variations of Tropospheric Wind over Indonesia: Comparison between Collected Operational Rawinsonde Data and NCEP Reanalysis for 1992-99. Journal of the Meteorological Society of Japan, 2003, 81, 829-850.	0.7	22
63	Meso-ALPHA-Scale Wind Field and Precipitating Clouds in Typhoon 9426 (Orchid) Observed by the MU Radar. Journal of the Meteorological Society of Japan, 2003, 81, 211-228.	0.7	21
64	Observable signatures of a convectively generated wave field over the tropics using Indian MST radar at Gadanki (13.5°N, 79.2°E). Geophysical Research Letters, 2002, 29, 19-1-19-4.	1.5	46
65	Relationship between Wind and Precipitation Observed with a UHF Radar, GPS Rawinsondes and Surface Meteorological Instruments at Kototabang, West Sumatera during September-October 1998.. Journal of the Meteorological Society of Japan, 2002, 80, 347-360.	0.7	22
66	Spatial and Temporal Variations of the Rainy Season over Indonesia and their Link to ENSO.. Journal of the Meteorological Society of Japan, 2002, 80, 285-310.	0.7	184
67	Precipitating clouds observed by 1.3-GHz boundary layer radars in equatorial Indonesia. Annales Geophysicae, 2001, 19, 889-897.	0.6	62
68	Examination of 3-6 day Disturbances over Equatorial Indonesia Based on Boundary Layer Radar Observations during 1996-1999 at Bukittinggi, Serpong and Biak.. Journal of the Meteorological Society of Japan, 2001, 79, 317-331.	0.7	12
69	Meridional and temporal variations of lower-stratospheric gravity-wave activity over Japan, West Pacific ocean and East Indian ocean. Advances in Space Research, 2001, 27, 1475-1478.	1.2	0
70	A Mechanism for the Reversal of Long-term Average Vertical Velocities around East Asia during the Cold Season. Journal of the Meteorological Society of Japan, 2000, 78, 13-23.	0.7	4
71	Meso-&beta;- to -&gamma;-Scale Wind Circulations Associated with Precipitating Clouds near Baiu Front Observed by the MU and Meteorological Radars. Journal of the Meteorological Society of Japan, 2000, 78, 69-91.	0.7	26
72	Quasi 4 Day Mode Observed by a Boundary Layer Radar at Serpong (6°S, 107°E), Indonesia. Journal of the Meteorological Society of Japan, 1999, 77, 1177-1184.	0.7	11

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73	Interannual and Day-to-Day Variations of Gravity Wave Activity in the Lower Stratosphere over the Eastern Part of Japan Observed in Winter 1989-95. <i>Journal of the Meteorological Society of Japan</i> , 1999, 77, 413-429.	0.7	16
74	Horizontal variations of gravity wave activities in the lower stratosphere over Japan: A case study in the Baiu season 1991. <i>Earth, Planets and Space</i> , 1999, 51, 107-113.	0.9	4
75	Frequency Spectra of Wind Velocity Fluctuations between 1 hour and 1 month in the Atmospheric Boundary Layer over Equatorial Indonesia. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997, 49, S187-S195.	0.8	6
76	Hierarchical Structures of Vertical Velocity Variations and Precipitating Clouds near the Baiu Frontal Cyclone Center Observed by the MU and Meteorological Radars. <i>Journal of the Meteorological Society of Japan</i> , 1997, 75, 569-596.	0.7	27
77	Statistical analysis of gravity waves observed with the middle and upper atmosphere radar in the middle atmosphere: 1. Method and general characteristics. <i>Journal of Geophysical Research</i> , 1996, 101, 29511-29521.	3.3	50
78	Application of wavelet analysis to wind disturbances observed with MST radar techniques. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996, 58, 683-696.	0.9	13
79	Vertical eddy diffusivity in the lower and middle atmosphere: A climatology based on the MU radar observations during 1986-1992. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996, 58, 727-734.	0.9	61
80	Inertio-gravity waves and subtropical multiple tropopauses: Vertical wavenumber spectra of wind and temperature observed by the MU radar, radiosondes and operational rawinsonde network. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996, 58, 785-805.	0.9	26
81	An observational study of cyclogenesis in the lee of the Japan central mountains. <i>Meteorology and Atmospheric Physics</i> , 1996, 61, 39-53.	0.9	9
82	A Preliminary Report on Observations of Equatorial Atmosphere Dynamics in Indonesia with Radars and Radiosondes. <i>Journal of the Meteorological Society of Japan</i> , 1995, 73, 393-406.	0.7	39
83	Boundary Layer Radar Observations of the Passage of the Convection Center over Serpong, Indonesia (6°S, 107°E) during the TOGA COARE Intensive Observation Period. <i>Journal of the Meteorological Society of Japan</i> , 1995, 73, 535-548.	0.7	21
84	Diurnal variations of the planetary boundary layer observed with an L-band clear-air doppler radar. <i>Boundary-Layer Meteorology</i> , 1995, 74, 419-424.	1.2	31
85	Homopause control by gravity wave breaking in the planetary atmospheres. <i>Advances in Space Research</i> , 1995, 15, 47-50.	1.2	13
86	Meridional Variation of Lower Stratospheric Gravity Wave Activity. <i>Journal of the Meteorological Society of Japan</i> , 1995, 73, 407-413.	0.7	26
87	Observations of the planetary boundary layer over equatorial Indonesia with an L band clear-air Doppler radar: Initial results. <i>Radio Science</i> , 1995, 30, 1043-1054.	0.8	60
88	Seasonal and interannual variabilities of vertical eddy diffusivity observed by the MU radar. <i>Advances in Space Research</i> , 1994, 14, 277-280.	1.2	4
89	A simple model of gravity-wave momentum and energy fluxes transferred through the middle atmosphere to the upper atmosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1994, 56, 1375-1385.	0.9	13
90	Middle and upper atmosphere radar observations of ionospheric density gradients produced by gravity wave packets. <i>Journal of Geophysical Research</i> , 1994, 99, 6321.	3.3	34

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91	Reply [to "Comments on "Middle and upper atmosphere radar observations of ionospheric density gradients produced by gravity wave packets"™ by W. L. Oliver et al.]. Journal of Geophysical Research, 1994, 99, 21415.	3.3	0
92	Seasonal variability of vertical eddy diffusivity in the middle atmosphere: 1. Three-year observations by the middle and upper atmosphere radar. Journal of Geophysical Research, 1994, 99, 18973.	3.3	202
93	A Rotor Circulation near the Baiu Front Observed by the MU Radar. Journal of the Meteorological Society of Japan, 1994, 72, 91-105.	0.7	17
94	Trans-oceanic balloon flight over East China sea. Advances in Space Research, 1993, 13, 123-126.	1.2	0
95	Polar patrol balloon experiment in Antarctica. Advances in Space Research, 1993, 13, 127-130.	1.2	7
96	Middle and upper atmosphere radar observations of ionospheric horizontal gradients produced by gravity waves. Journal of Geophysical Research, 1993, 98, 9443-9451.	3.3	21
97	First observation of the upper stratospheric vertical wind velocities using the Jicamarca VHF radar. Geophysical Research Letters, 1993, 20, 2235-2238.	1.5	17
98	Formation of multiple tropopause and stratospheric inertio-gravity waves. Advances in Space Research, 1992, 12, 181-190.	1.2	9
99	A parameterization of vertical eddy diffusivity by using "quasi-monochromatic" gravity-wave field hypothesis. Advances in Space Research, 1992, 12, 215-218.	1.2	9
100	Multiple beam observations of mid-latitude ionospheric disturbances by the MU radar. Journal of Atmospheric and Solar-Terrestrial Physics, 1991, 53, 773-779.	0.9	7
101	A perspective of Middle-Atmosphere Dynamics (MAD) studies at the New International Equatorial Observatory (NIEO). Advances in Space Research, 1990, 10, 155-159.	1.2	5
102	Picture of the global field of "quasi-monochromatic" internal gravity waves observed by stratospheric balloons and MST radars. Advances in Space Research, 1990, 10, 185-188.	1.2	7
103	MU radar: New capabilities and system calibrations. Radio Science, 1990, 25, 477-485.	0.8	92
104	Wind fluctuations near a cold vortex-tropopause funnel system observed by the MU radar. Pure and Applied Geophysics, 1989, 130, 463-479.	0.8	33
105	Internal gravity wave selection in the upper troposphere and lower stratosphere observed by the MU radar: Preliminary results. Pure and Applied Geophysics, 1989, 130, 481-495.	0.8	32
106	Internal Gravity Wave Selection in the Upper Troposphere and Lower Stratosphere Observed by the MU Radar: Preliminary Results. , 1989, , 481-495.		1
107	Wind Fluctuations near a Cold Vortex-Tropopause Funnel System Observed by the MU Radar. , 1989, , 463-479.		9
108	Three-Dimensional Air Motions over the Baiu Front Observed by a VHF-Band Doppler Radar: A Case Study. Monthly Weather Review, 1988, 116, 281-292.	0.5	20

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109	Quasi-Weekly Cycle of the Upper Tropospheric Wind Observed near the Southern Japan in Mid-Summer: Quick Looks. Journal of the Meteorological Society of Japan, 1987, 65, 811-818.	0.7	0
110	Measurement of Stratospheric Turbulence by Balloon-Borne "Glow-Discharge" Anemometer. Journal of the Meteorological Society of Japan, 1985, 63, 483-489.	0.7	12
111	Inertial Oscillation and Symmetric Motion Induced in an Inertio-Gravity Wave Critical Layer. Journal of the Meteorological Society of Japan, 1985, 63, 715-737.	0.7	8
112	Atmospheric Circulation in the Lower Stratosphere Induced by the Mesoscale Mountain Wave Breakdown. Journal of the Meteorological Society of Japan, 1985, 63, 1047-1054.	0.7	31
113	“Glow-discharge” ionic anemometer. Review of Scientific Instruments, 1985, 56, 617-622.	0.6	11
114	Observation on Microphysical Processes in the Stratiform Precipitations Including Melting Layers at Mt. Fuji. Journal of the Meteorological Society of Japan, 1985, 63, 100-111.	0.7	11
115	Meso- and Microscale Structures of Stratospheric Winds: A Quick Look of Balloon Observation. Journal of the Meteorological Society of Japan, 1984, 62, 177-182.	0.7	11
116	Propagation and Breakdown of Internal Inertio-Gravity Waves Near Critical Levels in the Middle Atmosphere. Journal of the Meteorological Society of Japan, 1984, 62, 1-17.	0.7	28
117	Multiple “Gust Layers” Observed in the Middle Stratosphere. , 1984, , 117-140.		14