Jun Matsumoto

List of Publications by Year
in descending order

129	4,307	117625	128289
papers	citations	34 h-index	60 g-index

136	136	136	3318
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Summer Monsoon over the Asian Continent and Western North Pacific. Journal of the Meteorological Society of Japan, 1994, 72, 719-745.	1.8	285
2	Seasonal transition of summer rainy season over indochina and adjacent monsoon region. Advances in Atmospheric Sciences, 1997, 14, 231-245.	4.3	199
3	Diurnal Variations of Convective Activity and Rainfall in Tropical Asia.. Journal of the Meteorological Society of Japan, 2001, 79, 333-352.	1.8	188
4	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.	1.8	184
5	The relationship between the isotopic content of precipitation and the precipitation amount in tropical regions. Journal of Geochemical Exploration, 2009, 102, 113-122.	3.2	156
6	The Seasonal Changes in Asian and Australian Monsoon Regions. Journal of the Meteorological Society of Japan, 1992, 70, 257-273.	1.8	138
7	Trends in Precipitation Extremes over Southeast Asia. Scientific Online Letters on the Atmosphere, 2009, 5, 168-171.	1.4	116
8	Collaborative Effects of Cold Surge and Tropical Depressionâ€“Type Disturbance on Heavy Rainfall in Central Vietnam. Monthly Weather Review, 2008, 136, 3275-3287.	1.4	96
9	Rainfall on the Meghalaya plateau in northeastern Indiaâ€”one of the rainiest places in the world. Natural Hazards, 2007, 42, 391-399.	3.4	85
10	Significant Influences of Global Mean Temperature and ENSO on Extreme Rainfall in Southeast Asia. Journal of Climate, 2015, 28, 1905-1919.	3.2	84
11	The mechanism of general flowering in Dipterocarpaceae in the Malay Peninsula. Journal of Tropical Ecology, 1999, 15, 437-449.	1.1	81
12	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. Bulletin of the American Meteorological Society, 2017, 98, 2689-2702.	3.3	80
13	NOTES AND CORRESPONDENCE A Comparison of Summer Sea Level Pressure over East Eurasia between NCEP-NCAR Reanalysis and ERA-40 for the Period 1960-99. Journal of the Meteorological Society of Japan, 2004, 82, 951-958.	1.8	78
14	Long-term trends and variability of rainfall extremes in the Philippines. Atmospheric Research, 2014, 137, 1-13.	4.1	78
15	The Impact of Trans-equatorial Monsoon Flow on the Formation of Repeated Torrential Rains over Java Island. Scientific Online Letters on the Atmosphere, 2007, 3, 93-96.	1.4	74
16	Interannual Variation of the Late Fall Rainfall in Central Vietnam. Journal of Climate, 2012, 25, 392-413.	3.2	74
17	East Asian, Indochina and Western North Pacific Summer Monsoon - An update. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 45-68.	2.3	70
18	Maritime continent coastlines controlling Earthâ€™s climate. Progress in Earth and Planetary Science, 2018, 5, .	3.0	70

#	Article	IF	Citations
19	Channel braiding and stability of the Brahmaputra River, Bangladesh, since 1967: GIS and remote sensing analyses. Geomorphology, 2007, 85, 294-305.	2.6	69
20	Flood monitoring, mapping and assessing capabilities using RADARSAT remote sensing, GIS and ground data for Bangladesh. Natural Hazards, 2011, 57, 525-548.	3.4	66
21	How Much is the Precipitation Amount over the Tropical Coastal Region?. Journal of Climate, 2016, 29, 1231-1236.	3.2	62
22	A Possible Triggering Process of East-West Asymmetric Anomalies over the Indian Ocean in Relation to 1997/98 El Niño. Journal of the Meteorological Society of Japan, 2000, 78, 803-818.	1.8	56
23	Diurnal rainfall pattern observed by Tropical Rainfall Measuring Mission Precipitation Radar (TRMMâ€PR) around the Indochina peninsula. Journal of Geophysical Research, 2010, 115, .	3.3	56
24	The Cross-Equatorial Northerly Surge over the Maritime Continent and Its Relationship to Precipitation Patterns. Journal of the Meteorological Society of Japan, 2011, 89A, 27-47.	1.8	50
25	Role of Tropical Cyclones along the Monsoon Trough in the 2011 Thai Flood and Interannual Variability. Journal of Climate, 2015, 28, 1465-1476.	3.2	50
26	Seasonal transition features of large-scale moisture transport in the Asian-Australian monsoon region. Advances in Atmospheric Sciences, 2007, 24, 1-14.	4.3	46
27	Characteristic intraseasonal oscillation of rainfall and its effect on interannual variability over Bangladesh during boreal summer. International Journal of Climatology, 2011, 31, 1192-1204.	3.5	45
28	A Climatological Study of Tropical Cyclone Rainfall in Vietnam. Scientific Online Letters on the Atmosphere, 2012, 8, 41-44.	1.4	44
29	Onset of the Rainy Seasons in the Eastern Indochina Peninsula. Journal of Climate, 2015, 28, 5645-5666.	3.2	44
30	Heavy rainfalls over East Asia. International Journal of Climatology, 1989, 9, 407-423.	3.5	43
31	The Winter Rainfall of Malaysia. Journal of Climate, 2013, 26, 936-958.	3.2	42
32	Climatological onset dates of summer monsoon over Myanmar. International Journal of Climatology, 2011, 31, 382-393.	3.5	40
33	Climatological Characteristics of the Intraseasonal Variation of Precipitation over the Indochina Peninsula. Journal of Climate, 2007, 20, 5301-5315.	3.2	39
34	The Formation of Nocturnal Rainfall Offshore from Convection over Western Kalimantan (Borneo) Island. Journal of the Meteorological Society of Japan, 2008, 86A, 187-203.	1.8	39
35	Application of Quantile Mapping Bias Correction for Mid-Future Precipitation Projections over Vietnam. Scientific Online Letters on the Atmosphere, 2019, 15, 1-6.	1.4	38
36	Intraseasonal variation of monsoon activities associated with the rainfall over Bangladesh during the 1995 summer monsoon season. Journal of Geophysical Research, 2000, 105, 29445-29459.	3.3	36

#	Article	IF	Citations
37	Relationship between atmospheric conditions at Dhaka, Bangladesh, and rainfall at Cherrapunjee, India. Natural Hazards, 2008, 44, 399-410.	3.4	36
38	Climatological onset date of summer monsoon in Vietnam. International Journal of Climatology, 2014, 34, 3237-3250.	3.5	36
39	Urban climate in the Tokyo metropolitan area in Japan. Journal of Environmental Sciences, 2017, 59, 54-62.	6.1	36
40	Changes in extreme rainfall in the Philippines (1911â€“2010) linked to global mean temperature and <scp>ENSO</scp>. International Journal of Climatology, 2015, 35, 2033-2044.	3.5	35
41	Effects of rainfall variation on rice production in the Ganges-Brahmaputra Basin. Climate Research, 2009, 38, 249-260.	1.1	35
42	The Vietnam Gridded Precipitation (VnGP) Dataset: Construction and Validation. Scientific Online Letters on the Atmosphere, 2016, 12, 291-296.	1.4	34
43	Evaluation of satellite precipitation products over Central Vietnam. Progress in Earth and Planetary Science, 2019, 6, .	3.0	33
44	Cold Surge Pathways in East Asia and Their Tropical Impacts. Journal of Climate, 2021, 34, 157-170.	3.2	33
45	The Rainfall Phenomena during the Pre-monsoon Period over the Indochina Peninsula in the GAME-IOP Year, 1998. Journal of the Meteorological Society of Japan, 2005, 83, 89-106.	1.8	32
46	Development and Formation Mechanism of the Southeast Asian Winter Heavy Rainfall Events around the South China Sea. Part I: Formation and Propagation of Cold Surge Vortex*. Journal of Climate, 2015, 28, 1417-1443.	3.2	31
47	Climatological seasonal changes of wind and rainfall in the Philippines. International Journal of Climatology, 2020, 40, 4843-4857.	3.5	31
48	Climatology and Trends in Summer Precipitation Characteristics in Mongolia for the Period 1960-98. Journal of the Meteorological Society of Japan, 2006, 84, 543-551.	1.8	31
49	Simulation of the 1998 East Asian Summer Monsoon by the CCSR/NIES AGCM.. Journal of the Meteorological Society of Japan, 2001, 79, 741-757.	1.8	30
50	Teleconnections between the sea surface temperature in the Bay of Bengal and monsoon rainfall in Bangladesh. Global and Planetary Change, 2006, 53, 188-197.	3.5	30
51	Seasonal Migration of Monsoons between the Northern and Southern Hemisphere as Revealed from Equatorially Symmetric and Asymmetric OLR Data.. Journal of the Meteorological Society of Japan, 2002, 80, 419-437.	1.8	29
52	Seasonal and secular variations of sunshine duration and natural seasons in Japan. International Journal of Climatology, 2003, 23, 1219-1234.	3.5	28
53	ENSO Influences on Rainfall Extremes around Sulawesi and Maluku Islands in the Eastern Indonesian Maritime Continent. Scientific Online Letters on the Atmosphere, 2016, 12, 37-41.	1.4	28
54	Diurnal Variation of Cb-Clusters over China and Its Relation to Large-Scale Conditions in the Summer of 1979. Journal of the Meteorological Society of Japan, 1995, 73, 1219-1234.	1.8	27

#	Article	IF	Citations
55	Regionality of long-term trends and interannual variation of seasonal precipitation over India. Progress in Earth and Planetary Science, 2019, 6, .	3.0	27
56	Monthly adjustment of Global Satellite Mapping of Precipitation (GSMaP) data over the VuGia^|^ndash;ThuBon River Basin in Central Vietnam using an artificial neural network. Hydrological Research Letters, 2013, 7, 85-90.	0.5	27
57	Convective Systems Developed along the Coastline of Sumatera Island, Indonesia, Observed with an X-band Doppler Radar during the HARIMAU2006 Campaign. Journal of the Meteorological Society of Japan, 2011, 89A, 61-81.	1.8	26
58	Effects of Large-scale Moisture Transport and Mesoscale Processes on Precipitation Isotope Ratios Observed at Sumatera, Indonesia. Journal of the Meteorological Society of Japan, 2011, 89A, 49-59.	1.8	24
59	Tropical cyclone influence on the long-term variability of Philippine summer monsoon onset. Progress in Earth and Planetary Science, 2017, 4, .	3.0	24
60	Trends in Precipitation Characteristics in Bangladesh from 1950 to 2008. Scientific Online Letters on the Atmosphere, 2015, 11, 113-117.	1.4	22
61	Tropical Coastal Dehydrator in Global Atmospheric Water Circulation. Geophysical Research Letters, 2017, 44, 11,636.	4.0	22
62	Annual Changes of Tropical Convective Activities as Revealed from Equatorially Symmetric OLR Data. Journal of the Meteorological Society of Japan, 2000, 78, 543-561.	1.8	20
63	An Observational Study of the Extremely Heavy Rain Event in Northern Vietnam during 30 October-1 November 2008. Journal of the Meteorological Society of Japan, 2011, 89A, 331-344.	1.8	20
64	Dominant Synoptic Disturbance in the Extreme Rainfall at Cherrapunji, Northeast India, Based on 104 Years of Rainfall Data (1902â€“2005). Journal of Climate, 2017, 30, 8237-8251.	3.2	19
65	Abrupt Climate Changes Observed in Late August over Central Japan between 1983 and 1984. Journal of Climate, 2007, 20, 4957-4967.	3.2	18
66	The Impact of Long-lasting Northerly Surges of the East Asian Winter Monsoon on Tropical Cyclogenesis and its Seasonal March. Journal of the Meteorological Society of Japan, 2011, 89A, 181-200.	1.8	18
67	Impact of the Summer Monsoon Westerlies on the South China Sea Tropical Cyclone Genesis in May. Weather and Forecasting, 2017, 32, 925-947.	1.4	18
68	Diurnal Variation of Rainfall and Precipitable Water over Siberut Island off the Western Coast of Sumatra Island. Scientific Online Letters on the Atmosphere, 2008, 4, 125-128.	1.4	17
69	Collating Historic Weather Observations for the East Asian Region: Challenges, Solutions, and Reanalyses. Advances in Atmospheric Sciences, 2018, 35, 899-904.	4.3	17
70	Large-Scale Features Associated with the Frontal Zone over East Asia from Late Summer to Autumn. Journal of the Meteorological Society of Japan, 1988, 66, 565-579.	1.8	16
71	Regional Features of the Relationship between Daily Heat-Stroke Mortality and Temperature in Different Climate Zones in Japan. Scientific Online Letters on the Atmosphere, 2018, 14, 144-147.	1.4	16
72	Impact of Recent Severe Floods on Rice Production in Bangladesh. Geographical Review of Japan, 2005, 78, 783-793.	0.1	15

#	Article	IF	Citations
73	Ozone variations over the northern subtropical region revealed by ozonesonde observations in Hanoi. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3245-3257.	3.3	15
74	Global Simultaneity of the Abrupt Seasonal Changes in Precipitation during May and June of 1979. Journal of the Meteorological Society of Japan, 1986, 64, 531-546.	1.8	14
75	The Impact of Intraseasonal Oscillations in the Tropical Atmosphere on the Formation of Extreme Central Vietnam Precipitation. Scientific Online Letters on the Atmosphere, 2012, 8, 57-60.	1.4	14
76	Similarities as well as Differences between Summer Monsoons over Southeast Asia and the Western North Pacific. Journal of the Meteorological Society of Japan, 1999, 77, 887-906.	1.8	13
77	Development and Formation Mechanism of the Southeast Asian Winter Heavy Rainfall Events around the South China Sea. Part II: Multiple Interactions*. Journal of Climate, 2015, 28, 1444-1464.	3.2	13
78	Numerical Study of the Impacts of Land Use/Cover Changes Between 1700 and 1850 on the Seasonal Hydroclimate in Monsoon Asia. Journal of the Meteorological Society of Japan, 2011, 89A, 291-298.	1.8	13
79	Regional Differences of Daily Rainfall Characteristics in East Asian Summer Monsoon Season. Geographical Review of Japan, 1999, 72, 193-201.	0.2	13
80	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. Journal of the Meteorological Society of Japan, 2011, 89, 341-361.	1.8	12
81	Impact of historical land-use changes on the Indian summer monsoon onset. International Journal of Climatology, 2015, 35, 2419-2430.	3.5	12
82	Spatial and Temporal Features of Heat Stroke Mortality in Japan and Their Relation to Temperature Variations, 1999â€“2014. Geographical Review of Japan, 2018, 91, 17-27.	0.7	12
83	Precipitation estimation performance by Global Satellite Mapping and its dependence on wind over northern Vietnam. Progress in Earth and Planetary Science, 2019, 6, .	3.0	12
84	The Impact of Orographically-Induced Gravity Waves on the Diurnal Cycle of Rainfall over Southeast Kalimantan Island. Atmospheric and Oceanic Science Letters, 2009, 2, 35-39.	1.3	11
85	Interannual Variation of the Winter Rainfall in Malaysia Caused by the Activity of Rain-Producing Disturbances. Journal of Climate, 2013, 26, 4630-4648.	3.2	11
86	Interdecadal Shifts in the Winter Monsoon Rainfall of the Philippines. Atmosphere, 2018, 9, 464.	2.3	11
87	Diurnal Characteristics of Summer Precipitation Over Luzon Island, Philippines. Asia-Pacific Journal of Atmospheric Sciences, 2021, 57, 573-585.	2.3	11
88	The Seasonal Changes of Wind Fields in the Global Tropics. Geographical Review of Japan, 1990, 63, 156-178.	0.2	11
89	Pre-Monsoon Rain and Its Relationship with Monsoon Onset over the Indochina Peninsula. Frontiers in Earth Science, 0, 4, .	1.8	10
90	Abrupt Climate Shift in the Mature Rainy Season of the Philippines in the Mid-1990s. Atmosphere, 2018, 9, 350.	2.3	10

#	Article	IF	Citations
91	Tropical cyclones over the western north Pacific since the mid-nineteenth century. Climatic Change, 2021, 164, 1.	3.6	10
92	An Overview of the Asian Monsoon Years 2007â€“2012 (AMY) and Multi-Scale Interactions in the Extreme Rainfall Events over the Indonesian Maritime Continent. World Scientific Series on Asia-Pacific Weather and Climate, 2017, , 365-385.	0.2	10
93	Temperature Inversions over the Inland Indochina Revealed by GAME-T Enhanced Rawinsonde Observations. Scientific Online Letters on the Atmosphere, 2010, 6, 5-8.	1.4	10
94	Rainfall Trends in Vietnam and Their Associations with Tropical Cyclones during 1979-2019. Scientific Online Letters on the Atmosphere, 2020, 16, 169-174.	1.4	10
95	The effect of urbanization on temperature indices in the Philippines. International Journal of Climatology, 2022, 42, 850-867.	3.5	9
96	The Impact of Additional Radiosonde Observations on the Analysis of Disturbances in the South China Sea during VPREX2010. Scientific Online Letters on the Atmosphere, 2016, 12, 75-79.	1.4	8
97	Delayed withdrawal of the autumn rainy season over central Vietnam in recent decades. International Journal of Climatology, 2016, 36, 3002-3019.	3.5	7
98	Interannual Variation of the Summer Rainfall Center in the South China Sea. Journal of Climate, 2017, 30, 7909-7931.	3.2	7
99	A climatological analysis of the monsoon break following the summer monsoon onset over Luzon Island, Philippines. International Journal of Climatology, 2021, 41, 2100-2117.	3.5	7
100	Non-tropical Cyclone Related Winter Heavy Rainfall Events over the Philippines: Climatology and Mechanisms. Asia-Pacific Journal of Atmospheric Sciences, 2021, 57, 17-33.	2.3	7
101	The relationship between observation intervals and errors in radar rainfall estimation over the Indochina Peninsula. Hydrological Processes, 2012, 26, 834-842.	2.6	6
102	Secular and seasonal variations of winter monsoon weather patterns in Japan since the early 20th century. International Journal of Climatology, 2011, 31, 2330-2337.	3.5	5
103	A climatological study of the wet and dry conditions in the preâ€summer monsoon season of the Philippines. International Journal of Climatology, 2020, 40, 4203-4217.	3.5	5
104	SUMMERTIME CIRCULATION PATTERNS OVER EASTERN ASIA. Chirigaku Hyoron, 1984, 57, 137-155.	0.0	5
105	Impact of the Radiosonde Observations of Cold Surge over the Philippine Sea on the Tropical Region and the Southern Hemisphere in December 2012. Scientific Online Letters on the Atmosphere, 2017, 13, 19-24.	1.4	4
106	Seasonal march patterns of the summer rainy season in the Philippines and their long-term variability since the late twentieth century. Progress in Earth and Planetary Science, 2018, 5, .	3.0	4
107	Estimation of Excess Deaths during Hot Summers in Japan. Scientific Online Letters on the Atmosphere, 2021, 17, 220-223.	1.4	4
108	Heavy rainfall in Hokkaido Island, Japan.. Journal of Geography (Chigaku Zasshi), 1985, 94, 181-193.	0.3	3

#	Article	IF	Citations
109	Global Climatic Classification Based on Seasonal Distribution of Non-Precipitation Areas. Geographical Review of Japan, 1986, 59, 43-54.	0.2	3
110	Forecast Advisory for a Cold-Season Heavy Rainfall/Flood Event That Developed from Multiple Interactions of the Cold-Surge Vortex with Cold-Surge Flows in the South China Sea. Weather and Forecasting, 2017, 32, 797-819.	1.4	3
111	Interannual Variation of the Cold-Season Rainfall Center in the South China Sea. Journal of Climate, 2017, 30, 669-688.	3.2	3
112	Cold surge event observed by radiosonde observation from the research vessel â€œHakuho-maruâ€•over the Philippine Sea in December 2012. Progress in Earth and Planetary Science, 2018, 5, .	3.0	3
113	WINTERTIME LOCATION OF THE ARCTIC FRONTAL ZONES. Chirigaku Hyoron, 1983, 56, 624-638.	0.0	3
114	Development of lightning observation system for short-term forecast of extreme weather events in the Philippine under ULAT project. , 2018, , .		2
115	Synoptic conditions and potential causes of the extreme heavy rainfall event of January 2009 over Mindanao Island, Philippines. Natural Hazards, 2021, 109, 2601-2620.	3.4	2
116	Influence of boreal summer intraseasonal oscillation on rainfall extremes in the Philippines. International Journal of Climatology, 2022, 42, 4656-4668.	3.5	2
117	Seasonal Phase Lock of Temporal and Spatial Variations of the Lower Cold Air in the Winter Northern Hemisphere. Journal of the Meteorological Society of Japan, 1993, 71, 111-122.	1.8	1
118	An Overview: Special Issue on â€œUrban Climateâ€• Journal of Geography (Chigaku Zasshi), 2011, 120, 249-251.	0.3	1
119	Study on Simplication of Electromagnetic Measurement in ELF-VLF band to Monitor Thunderstorm. Transactions of the Institute of Systems Control and Information Engineers, 2017, 30, 420-426.	0.1	1
120	Rainfall, Floods, and Rice Production in the Ganges-Brahmaputra-Meghna River Basin. International Perspectives in Geography, 2020, , 3-14.	0.2	1
121	Difference between lightning activities in thunderstorm cells with and without hailfall in western Tokyo. Journal of Atmospheric Electricity, 2021, 40, 10-31.	0.3	1
122	MONITORING THE 2004 FLOOD IN THE MEGHNA RIVER BASIN IN BANGLADESH USING GROUND DATA, RADARSAT IMAGERY AND GIS. , 2010, , 217-235.		0
123	Seasonal Variations of Lightning Activity and Rainfall over Tropical Africa Based on Tropical Rainfall Measuring Mission (TRMM) Satellite Observations. Journal of Geography (Chigaku Zasshi), 2012, 121, 986-997.	0.3	0
124	Regional climatic effects according to different estimations of biogenic volatile organic compounds during the asian summer monsoon. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 423-435.	2.3	0
125	Development and Decay Processes of Dual Inversion Layers in Winter over the Northwest Coast of the South China Sea. Journal of Climate, 2018, 31, 1245-1266.	3.2	0
126	Evaluation of the Global Satellite Mapping of Precipitation (GSMaP) data on sub-daily rainfall patterns in Vietnam. Vietnam Journal of Earth Sciences, 0, , .	0.5	0

#	Article	IF	Citations
127	Climatological Challenges of Disaster Prevention in Southeast Asia. Trends in the Sciences, 2018, 23, 7_20-7_23.	0.0	0
128	Preface to the Special Issue: Climate Change and Variability of Tropical Cyclone Activity. Advances in Atmospheric Sciences, 2022, 39, 203-204.	4.3	0
129	Cause of a Lowerâ€Tropospheric Highâ€Ozone Layer in Spring Over Hanoi. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	0