

# Koji Yamazaki

## List of Publications by Year in descending order

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76  
papers

3,028  
citations

186265

28  
h-index

168389

53  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Four years' observations of terrestrial lipid class compounds in marine aerosols from the western North Pacific. <i>Global Biogeochemical Cycles</i> , 2003, 17, 3-13-19.	4.9	201
2	A negative phase shift of the winter AO/NAO due to the recent Arctic sea ice reduction in late autumn. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3209-3227.	3.3	180
3	Impact of the wintertime North Atlantic Oscillation (NAO) on the summertime atmospheric circulation. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	150
4	Seasonal variation and origins of dicarboxylic acids in the marine atmosphere over the western North Pacific. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	140
5	Downward propagation of upper stratospheric mean zonal wind perturbation to the troposphere. <i>Geophysical Research Letters</i> , 1990, 17, 1263-1266.	4.0	139
6	The stratospheric pathway for Arctic impacts on midlatitude climate. <i>Geophysical Research Letters</i> , 2016, 43, 3494-3501.	4.0	125
7	Dynamic and Thermodynamic Characteristics of Atmospheric Response to Anomalous Sea-Ice Extent in the Sea of Okhotsk. <i>Journal of Climate</i> , 1999, 12, 3347-3358.	3.2	114
8	The summertime annular mode in the Northern Hemisphere and its linkage to the winter mode. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	105
9	Water-Soluble dicarboxylic acids, ketoacids and dicarbonyls in the atmospheric aerosols over the southern ocean and western pacific ocean. <i>Journal of Atmospheric Chemistry</i> , 2006, 53, 43-61.	3.2	92
10	Latitudinal distribution of terrestrial lipid biomarkers and n-alkane compound-specific stable carbon isotope ratios in the atmosphere over the western Pacific and Southern Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5934-5955.	3.9	92
11	Influence of winter and summer surface wind anomalies on summer Arctic sea ice extent. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	91
12	Solar cycle modulation of the seasonal linkage of the North Atlantic Oscillation (NAO). <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	88
13	The Connectivity of the Winter North Atlantic Oscillation (NAO) and the Summer Okhotsk High. <i>Journal of the Meteorological Society of Japan</i> , 2004, 82, 905-913.	1.8	79
14	What kind of stratospheric sudden warming propagates to the troposphere?. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	78
15	Stratospheric drain over Indonesia and dehydration within the tropical tropopause layer diagnosed by air parcel trajectories. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	70
16	The summer northern annular mode and abnormal summer weather in 2003. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	68
17	Seasonal and QBO variations of ascent rate in the tropical lower stratosphere as inferred from UARS HALOE trace gas data. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	58
18	Possible effect of boreal wildfire soot on Arctic sea ice and Alaska glaciers. <i>Atmospheric Environment</i> , 2005, 39, 3513-3520.	4.1	58

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19	Can preferred atmospheric circulation patterns over the North-Atlantic-Eurasian region be associated with arctic sea ice loss?. <i>Polar Science</i> , 2017, 14, 9-20.	1.2	53
20	Analysis of the Arctic Oscillation Simulated by AGCM. <i>Journal of the Meteorological Society of Japan</i> , 1999, 77, 1287-1298.	1.8	50
21	Long-term Variation of Upper Stratospheric Circulation in the Northern Hemisphere in December. <i>Journal of the Meteorological Society of Japan</i> , 1990, 68, 101-105.	1.8	47
22	Seasonal changes in stable carbon isotopic composition of n-alkanes in the marine aerosols from the western North Pacific: Implications for the source and atmospheric transport. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 13-26.	3.9	47
23	Eurasian Subarctic Summer Climate in Response to Anomalous Snow Cover. <i>Journal of Climate</i> , 2012, 25, 1305-1317.	3.2	47
24	Influence of Okhotsk sea-ice extent on atmospheric circulation. <i>Geophysical Research Letters</i> , 1996, 23, 3595-3598.	4.0	43
25	Decadal-Scale Variation of South Asian Summer Monsoon Onset and Its Relationship with the Pacific Decadal Oscillation. <i>Journal of Climate</i> , 2014, 27, 5163-5173.	3.2	43
26	Summer Arctic Atmospheric Circulation Response to Spring Eurasian Snow Cover and Its Possible Linkage to Accelerated Sea Ice Decrease. <i>Journal of Climate</i> , 2014, 27, 6551-6558.	3.2	40
27	A possible influence of recent polar stratospheric coolings on the troposphere in the northern hemisphere winter. <i>Geophysical Research Letters</i> , 1994, 21, 809-812.	4.0	38
28	Atmospheric winter response to Arctic sea ice changes in reanalysis data and model simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7564-7577.	3.3	38
29	Summertime land-atmosphere interactions in response to anomalous springtime snow cover in northern Eurasia. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	31
30	Influence of the Anticyclonic Anomaly in the Subtropical Jet over the Western Tibetan Plateau on the Intraseasonal Variability of the Summer Asian Monsoon in Early Summer. <i>Journal of Climate</i> , 2012, 25, 1291-1303.	3.2	31
31	Variability of the Eurasian Pattern and Its Interpretation by Wave Activity Flux. <i>Journal of the Meteorological Society of Japan</i> , 1999, 77, 495-511.	1.8	30
32	Poleward eddy heat flux anomalies associated with recent Arctic sea ice loss. <i>Geophysical Research Letters</i> , 2017, 44, 446-454.	4.0	29
33	A tropospheric pathway of the stratospheric quasi-biennial oscillation (QBO) impact on the boreal winter polar vortex. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5111-5127.	4.9	29
34	Intra-annual variations in atmospheric dust and tritium in the North Pacific region detected from an ice core from Mount Wrangell, Alaska. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	28
35	Weak Stratospheric Polar Vortex Events Modulated by the Arctic Sea-Ice Loss. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 858-869.	3.3	28
36	Interannual variations of temperature and vertical motion at the tropical tropopause associated with ENSO. <i>Geophysical Research Letters</i> , 2001, 28, 2891-2894.	4.0	27

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37	Tropical cooling in the case of stratospheric sudden warming in January 2009: focus on the tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6325-6336.	4.9	27
38	Memory effects of Eurasian land processes cause enhanced cooling in response to sea ice loss. <i>Nature Communications</i> , 2019, 10, 5111.	12.8	26
39	Impacts of Asian dust storm associated with the stratosphere-to-troposphere transport in the spring of 2001 and 2002 on dust and tritium variations in Mount Wrangell ice core, Alaska. <i>Atmospheric Environment</i> , 2009, 43, 2582-2590.	4.1	25
40	Where Do Aerosol Particles in the Antarctic Upper Troposphere Come from?. <i>Journal of the Meteorological Society of Japan</i> , 1989, 67, 889-906.	1.8	23
41	Summer relative humidity in northern Japan inferred from $\delta^{18}O$ values of the tree ring in (1776–2002 A.D.): Influence of the paleoclimate indices of atmospheric circulation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	20
42	Climatological Evolution of the Okinawa Baiu and Differences in Large-Scale Features during May and June. <i>Journal of Climate</i> , 2012, 25, 6287-6303.	3.2	20
43	The upper-level circulation anomaly over Central Asia and its relationship to the Asian monsoon and mid-latitude wave train in early summer. <i>Climate Dynamics</i> , 2014, 42, 2477-2489.	3.8	20
44	Trends in the Summer Northern Annular Mode and Arctic Sea Ice. <i>Scientific Online Letters on the Atmosphere</i> , 2010, 6, 41-44.	1.4	20
45	The Interaction between Two Separate Propagations of Rossby Waves. <i>Monthly Weather Review</i> , 2007, 135, 3521-3540.	1.4	16
46	A longer climate memory carried by soil freeze–thaw processes in Siberia. <i>Environmental Research Letters</i> , 2012, 7, 045402.	5.2	16
47	Influence of the solar cycle and QBO modulation on the Southern Annular Mode. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	15
48	Measurement of Halogenated Dicarboxylic Acids in the Arctic Aerosols at Polar Sunrise. <i>Journal of Atmospheric Chemistry</i> , 2003, 44, 323-335.	3.2	14
49	QBO and Pinatubo signals in the mass flux at 100 hPa and stratospheric circulation. <i>Geophysical Research Letters</i> , 1998, 25, 1641-1644.	4.0	13
50	Difference in seasonal variation of net precipitation between the Arctic and Antarctic regions. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	13
51	Role of ozone in the solar cycle modulation of the North Atlantic Oscillation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
52	On the atmospheric response experiment to a Blue Arctic Ocean. <i>Geophysical Research Letters</i> , 2016, 43, 10,394-10,402.	4.0	12
53	Roles of an upper-level cold vortex and low-level baroclinicity in the development of polar lows over the Sea of Japan. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 66, 24694.	1.7	12
54	Robust Asymmetry of the Future Arctic Polar Vortex Is Driven by Tropical Pacific Warming. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093440.	4.0	11

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55	The Description of the MRI Atmospheric Spectral GCM (MRI-GSPM) and Its Mean Statistics Based on a 10-year Integration.. Papers in Meteorology and Geophysics, 1996, 47, 1-45.	0.9	10
56	Residual Mean Meridional Circulation in the Stratosphere and Upper Troposphere. Journal of the Meteorological Society of Japan, 1999, 77, 985-996.	1.8	8
57	Interaction between the wintertime atmospheric circulation and the variation in the sea ice extent of the Sea of Okhotsk.. Journal of the Japanese Society of Snow and Ice, 2000, 62, 345-354.	0.1	8
58	Interpretation of high mixing ratios of O <sub>3</sub> observed in the upper troposphere over Syowa Station, Antarctica using a trajectory analysis. Geophysical Research Letters, 1998, 25, 1177-1180.	4.0	7
59	Origins of Air Masses over an Alaskan Glacier and Implications for Ice Core Studies in the North Pacific Region. Scientific Online Letters on the Atmosphere, 2009, 5, 77-80.	1.4	7
60	A 3-D global simulation of the advective transport of passive tracers from various northern hemisphere sources. Tellus, Series B: Chemical and Physical Meteorology, 1993, 45, 160-178.	1.6	6
61	Role of Siberian Land-Atmosphere Coupling in the Development of the August Okhotsk High in 2008. Journal of the Meteorological Society of Japan, 2015, 93, 229-244.	1.8	6
62	Atmospheric hydrological cycles in the Arctic and Antarctic during the past four decades. Czech Polar Reports, 2017, 7, 169-180.	0.6	6
63	Modulation in interannual sea ice patterns in the Southern Ocean in association with large-scale atmospheric mode shift. Journal of Geophysical Research, 2009, 114, .	3.3	5
64	SST-Forced and Internal Variability of the Atmosphere in an Ensemble GCM Simulation. Journal of the Meteorological Society of Japan, 2010, 88, 43-62.	1.8	5
65	Role of vertical eddy heat flux in the response of tropical tropopause temperature to changes in tropical sea surface temperature. Journal of Geophysical Research, 2010, 115, .	3.3	5
66	The Winter Ozone Minimum over the Subtropical Northwestern Pacific. Journal of the Meteorological Society of Japan, 2005, 83, 57-67.	1.8	5
67	Preliminary calculation of trajectory analysis in the lower stratosphere of the Southern Hemisphere. Geophysical Research Letters, 1986, 13, 1312-1315.	4.0	4
68	Concentration variations of atmospheric CO <sub>2</sub> over Syowa Station, Antarctica and their interpretation. Tellus, Series B: Chemical and Physical Meteorology, 1995, 47, 375-390.	1.6	4
69	Climate Variations from the Viewpoint of the Arctic. Journal of Geography (Chigaku Zasshi), 2008, 117, 1051-1062.	0.3	4
70	Interhemispheric Synchronization Between the AO and the AAO. Geophysical Research Letters, 2018, 45, 13,477.	4.0	3
71	Slow-down in summer warming over Greenland in the past decade linked to central Pacific El Niño. Communications Earth & Environment, 2021, 2, .	6.8	3
72	Recent Breakdown of the Seasonal Linkage between the Winter North Atlantic Oscillation/Northern Annular Mode and Summer Northern Annular Mode. Journal of Climate, 2019, 32, 591-605.	3.2	2

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73	The stratospheric QBO affects antarctic sea ice through the tropical convection in early austral winter. <i>Polar Science</i> , 2021, 28, 100674.	1.2	2
74	Cell death signalling is competitively but coordinately regulated by repressor-type and activator-type ethylene response factors in tobacco ( <i>Nicotiana tabacum</i> ) plants. <i>Plant Biology</i> , 2022, 24, 897-909.	3.8	2
75	Detection of a climatological short break in the polar night jet in early winter and its relation to cooling over Siberia. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12639-12661.	4.9	1
76	QBO and Pinatubo signals in the mass flux at 100hPa during the period from 1986 to 1995. <i>Advances in Space Research</i> , 2001, 27, 1467-1470.	2.6	0