

# 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	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
2	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
3	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
4	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
5	Slow-down in summer warming over Greenland in the past decade linked to central Pacific El Niño. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	3
6	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
7	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
8	Recent Breakdown of the Seasonal Linkage between the Winter North Atlantic Oscillation/Northern Annular Mode and Summer Northern Annular Mode. <i>Journal of Climate</i> , 2019, 32, 591-605.	3.2	2
9	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
10	Interhemispheric Synchronization Between the AO and the AAO. <i>Geophysical Research Letters</i> , 2018, 45, 13,477.	4.0	3
11	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
12	Poleward eddy heat flux anomalies associated with recent Arctic sea ice loss. <i>Geophysical Research Letters</i> , 2017, 44, 446-454.	4.0	29
13	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
14	Atmospheric hydrological cycles in the Arctic and Antarctic during the past four decades. <i>Czech Polar Reports</i> , 2017, 7, 169-180.	0.6	6
15	The stratospheric pathway for Arctic impacts on midlatitude climate. <i>Geophysical Research Letters</i> , 2016, 43, 3494-3501.	4.0	125
16	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
17	On the atmospheric response experiment to a Blue Arctic Ocean. <i>Geophysical Research Letters</i> , 2016, 43, 10,394-10,402.	4.0	12
18	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

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19	Role of Siberian Land-Atmosphere Coupling in the Development of the August Okhotsk High in 2008. <i>Journal of the Meteorological Society of Japan</i> , 2015, 93, 229-244.	1.8	6
20	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
21	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
22	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
23	Eurasian Subarctic Summer Climate in Response to Anomalous Snow Cover. <i>Journal of Climate</i> , 2012, 25, 1305-1317.	3.2	47
24	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
25	A longer climate memory carried by soil freeze-thaw processes in Siberia. <i>Environmental Research Letters</i> , 2012, 7, 045402.	5.2	16
26	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
27	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
28	SST-Forced and Internal Variability of the Atmosphere in an Ensemble GCM Simulation. <i>Journal of the Meteorological Society of Japan</i> , 2010, 88, 43-62.	1.8	5
29	Influence of winter and summer surface wind anomalies on summer Arctic sea ice extent. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	91
30	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
31	Role of vertical eddy heat flux in the response of tropical tropopause temperature to changes in tropical sea surface temperature. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	5
32	Influence of the solar cycle and QBO modulation on the Southern Annular Mode. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	15
33	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
34	Origins of Air Masses over an Alaskan Glacier and Implications for Ice Core Studies in the North Pacific Region. <i>Scientific Online Letters on the Atmosphere</i> , 2009, 5, 77-80.	1.4	7
35	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
36	Modulation in interannual sea ice patterns in the Southern Ocean in association with large-scale atmospheric mode shift. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	5

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37	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
38	Role of ozone in the solar cycle modulation of the North Atlantic Oscillation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
39	Climate Variations from the Viewpoint of the Arctic. <i>Journal of Geography (Chigaku Zasshi)</i> , 2008, 117, 1051-1062.	0.3	4
40	The Interaction between Two Separate Propagations of Rossby Waves. <i>Monthly Weather Review</i> , 2007, 135, 3521-3540.	1.4	16
41	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
42	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
43	What kind of stratospheric sudden warming propagates to the troposphere?. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	78
44	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
45	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
46	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
47	Possible effect of boreal wildfire soot on Arctic sea ice and Alaska glaciers. <i>Atmospheric Environment</i> , 2005, 39, 3513-3520.	4.1	58
48	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
49	The Winter Ozone Minimum over the Subtropical Northwestern Pacific. <i>Journal of the Meteorological Society of Japan</i> , 2005, 83, 57-67.	1.8	5
50	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
51	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
52	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
53	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
54	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

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55	Impact of the wintertime North Atlantic Oscillation (NAO) on the summertime atmospheric circulation. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	150
56	Solar cycle modulation of the seasonal linkage of the North Atlantic Oscillation (NAO). <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	88
57	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
58	Four years' observations of terrestrial lipid class compounds in marine aerosols from the western North Pacific. <i>Global Biogeochemical Cycles</i> , 2003, 17, 3-1-3-19.	4.9	201
59	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
60	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
61	Interaction between the wintertime atmospheric circulation and the variation in the sea ice extent of the Sea of Okhotsk.. <i>Journal of the Japanese Society of Snow and Ice</i> , 2000, 62, 345-354.	0.1	8
62	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
63	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
64	Residual Mean Meridional Circulation in the Stratosphere and Upper Troposphere. <i>Journal of the Meteorological Society of Japan</i> , 1999, 77, 985-996.	1.8	8
65	Analysis of the Arctic Oscillation Simulated by AGCM. <i>Journal of the Meteorological Society of Japan</i> , 1999, 77, 1287-1298.	1.8	50
66	Interpretation of high mixing ratios of O <sub>3</sub> observed in the upper troposphere over Syowa Station, Antarctica using a trajectory analysis. <i>Geophysical Research Letters</i> , 1998, 25, 1177-1180.	4.0	7
67	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
68	Influence of Okhotsk sea-ice extent on atmospheric circulation. <i>Geophysical Research Letters</i> , 1996, 23, 3595-3598.	4.0	43
69	The Description of the MRI Atmospheric Spectral GCM (MRI-GSPM) and Its Mean Statistics Based on a 10-year Integration.. <i>Papers in Meteorology and Geophysics</i> , 1996, 47, 1-45.	0.9	10
70	Concentration variations of atmospheric CO <sub>2</sub> over Syowa Station, Antarctica and their interpretation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1995, 47, 375-390.	1.6	4
71	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
72	A 3-D global simulation of the advective transport of passive tracers from various northern hemisphere sources. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1993, 45, 160-178.	1.6	6

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73	Long-term Variation of Upper Stratospheric Circulation in the Northern Hemisphere in December. Journal of the Meteorological Society of Japan, 1990, 68, 101-105.	1.8	47
74	Downward propagation of upper stratospheric mean zonal wind perturbation to the troposphere. Geophysical Research Letters, 1990, 17, 1263-1266.	4.0	139
75	Where Do Aerosol Particles in the Antarctic Upper Troposphere Come from?. Journal of the Meteorological Society of Japan, 1989, 67, 889-906.	1.8	23
76	Preliminary calculation of trajectory analysis in the lower stratosphere of the Southern Hemisphere. Geophysical Research Letters, 1986, 13, 1312-1315.	4.0	4