

Yu Kosaka

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

4,663
citations

28
h-index

68
g-index

88
ext. papers

5,584
ext. citations

8.2
avg, IF

6.33
L-index

#	Paper	IF	Citations
76	Recent global-warming hiatus tied to equatorial Pacific surface cooling. <i>Nature</i> , 2013 , 501, 403-7	50.4	1175
75	Indo-western Pacific ocean capacitor and coherent climate anomalies in post-ENSO summer: A review. <i>Advances in Atmospheric Sciences</i> , 2016 , 33, 411-432	2.9	329
74	Structure and dynamics of the summertime Pacific-Japan teleconnection pattern. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2006 , 132, 2009-2030	6.4	276
73	Slowdown of the Walker circulation driven by tropical Indo-Pacific warming. <i>Nature</i> , 2012 , 491, 439-43	50.4	240
72	Origin of seasonal predictability for summer climate over the Northwestern Pacific. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7574-9	11.5	203
71	Mechanisms of Meridional Teleconnection Observed between a Summer Monsoon System and a Subtropical Anticyclone. Part I: The Pacific-Japan Pattern. <i>Journal of Climate</i> , 2010 , 23, 5085-5108	4.4	132
70	Mechanisms for Tropical Tropospheric Circulation Change in Response to Global Warming*. <i>Journal of Climate</i> , 2012 , 25, 2979-2994	4.4	128
69	Dynamics of Interannual Variability in Summer Precipitation over East Asia*. <i>Journal of Climate</i> , 2011 , 24, 5435-5453	4.4	122
68	Limitations of Seasonal Predictability for Summer Climate over East Asia and the Northwestern Pacific. <i>Journal of Climate</i> , 2012 , 25, 7574-7589	4.4	122
67	The tropical Pacific as a key pacemaker of the variable rates of global warming. <i>Nature Geoscience</i> , 2016 , 9, 669-673	18.3	118
66	Analysis on the Dynamics of a Wave-like Teleconnection Pattern along the Summertime Asian Jet Based on a Reanalysis Dataset and Climate Model Simulations. <i>Journal of the Meteorological Society of Japan</i> , 2009 , 87, 561-580	2.8	117
65	A reconciled estimate of the influence of Arctic sea-ice loss on recent Eurasian cooling. <i>Nature Climate Change</i> , 2019 , 9, 123-129	21.4	117
64	The Impact of Poleward Moisture and Sensible Heat Flux on Arctic Winter Sea Ice Variability*. <i>Journal of Climate</i> , 2015 , 28, 5030-5040	4.4	99
63	Seasonality and Predictability of the Indian Ocean Dipole Mode: ENSO Forcing and Internal Variability. <i>Journal of Climate</i> , 2015 , 28, 8021-8036	4.4	81
62	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. <i>Nature Communications</i> , 2018 , 9, 1724	17.4	77
61	Predictability of summer northwest Pacific climate in 11 coupled model hindcasts: Local and remote forcing. <i>Journal of Geophysical Research</i> , 2010 , 115,		74
60	Decadal increase in Ningaloo Ni $\bar{\nu}$ since the late 1990s. <i>Geophysical Research Letters</i> , 2015 , 42, 104-112	4.9	72

59	Distinct energy budgets for anthropogenic and natural changes during global warming hiatus. <i>Nature Geoscience</i> , 2016 , 9, 29-33	18.3	54
58	What Caused the Global Surface Warming Hiatus of 1998-2013?. <i>Current Climate Change Reports</i> , 2017 , 3, 128-140	9	53
57	A 117-year long index of the Pacific-Japan pattern with application to interdecadal variability. <i>International Journal of Climatology</i> , 2016 , 36, 1575-1589	3.5	51
56	The impact of eastern equatorial Pacific convection on the diversity of boreal winter El Niño teleconnection patterns. <i>Climate Dynamics</i> , 2016 , 47, 3737-3765	4.2	48
55	Physical drivers of the summer 2019 North Pacific marine heatwave. <i>Nature Communications</i> , 2020 , 11, 1903	17.4	46
54	Future Change of Northern Hemisphere Summer Tropical-Extratropical Teleconnection in CMIP5 Models*. <i>Journal of Climate</i> , 2014 , 27, 3643-3664	4.4	40
53	The Impact of Arctic Winter Infrared Radiation on Early Summer Sea Ice. <i>Journal of Climate</i> , 2015 , 28, 6281-6296	4.4	37
52	The Eurasian Jet Streams as Conduits for East Asian Monsoon Variability. <i>Current Climate Change Reports</i> , 2019 , 5, 233-244	9	30
51	ENSO Influence on the Atlantic Niño, Revisited: Multi-Year versus Single-Year ENSO Events. <i>Journal of Climate</i> , 2019 , 32, 4585-4600	4.4	29
50	Influence of the Pacific-Japan Pattern on Indian Summer Monsoon Rainfall. <i>Journal of Climate</i> , 2018 , 31, 3943-3958	4.4	29
49	Pacific Decadal Oscillation: Tropical Pacific Forcing versus Internal Variability. <i>Journal of Climate</i> , 2018 , 31, 8265-8279	4.4	28
48	Arctic-Eurasian climate linkage induced by tropical ocean variability. <i>Nature Communications</i> , 2019 , 10, 3441	17.4	25
47	Dynamics of Asian Summer Monsoon Response to Anthropogenic Aerosol Forcing. <i>Journal of Climate</i> , 2019 , 32, 843-858	4.4	25
46	Tropical Ocean Contributions to California's Surprisingly Dry El Niño of 2015/16. <i>Journal of Climate</i> , 2017 , 30, 10067-10079	4.4	24
45	Dominant Mode of Climate Variability, Intermodel Diversity, and Projected Future Changes over the Summertime Western North Pacific Simulated in the CMIP3 Models. <i>Journal of Climate</i> , 2011 , 24, 3935-3955	4.4	24
44	The North Pacific Pacemaker Effect on Historical ENSO and Its Mechanisms. <i>Journal of Climate</i> , 2019 , 32, 7643-7661	4.4	23
43	Detecting cross-equatorial wind change as a fingerprint of climate response to anthropogenic aerosol forcing. <i>Geophysical Research Letters</i> , 2016 , 43, 3444-3450	4.9	22
42	ENSO forced and local variability of North Tropical Atlantic SST: model simulations and biases. <i>Climate Dynamics</i> , 2018 , 51, 4511-4524	4.2	21

41	Application of Cluster Analysis to Climate Model Performance Metrics. <i>Journal of Applied Meteorology and Climatology</i> , 2011 , 50, 1666-1675	2.7	19
40	Extratropical-Tropical Interaction Model Intercomparison Project (Etin-Mip): Protocol and Initial Results. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 2589-2606	6.1	18
39	Enhanced warming constrained by past trends in equatorial Pacific sea surface temperature gradient. <i>Nature Climate Change</i> , 2021 , 11, 33-37	21.4	18
38	Decadal Indian Ocean dipolar variability and its relationship with the tropical Pacific. <i>Advances in Atmospheric Sciences</i> , 2017 , 34, 1282-1289	2.9	16
37	Seasonal Prediction of Distinct Climate Anomalies in Summer 2010 over the Tropical Indian Ocean and South Asia. <i>Journal of the Meteorological Society of Japan</i> , 2014 , 92, 1-16	2.8	15
36	Global Influence of Tropical Pacific Variability with Implications for Global Warming Slowdown. <i>Journal of Climate</i> , 2017 , 30, 2679-2695	4.4	14
35	Mechanisms for the Maintenance of the Wintertime Basin-Scale Atmospheric Response to Decadal SST Variability in the North Pacific Subarctic Frontal Zone. <i>Journal of Climate</i> , 2018 , 31, 297-315	4.4	14
34	Northern Hemisphere Extratropical Tropospheric Planetary Waves and their Low-Frequency Variability: Their Vertical Structure and Interaction with Transient Eddies and Surface Thermal Contrasts. <i>Geophysical Monograph Series</i> , 2010 , 149-179	1.1	14
33	A Comparative Study on the Dynamics of the Pacific-Japan (PJ) Teleconnection Pattern Based on Reanalysis Datasets. <i>Scientific Online Letters on the Atmosphere</i> , 2008 , 4, 9-12	2.1	14
32	Mechanisms of Meridional Teleconnection Observed between a Summer Monsoon System and a Subtropical Anticyclone. Part II: A Global Survey. <i>Journal of Climate</i> , 2010 , 23, 5109-5125	4.4	13
31	Intensification of El Niño-induced atmospheric anomalies under greenhouse warming. <i>Nature Geoscience</i> , 2021 , 14, 377-382	18.3	13
30	Reply to: Is sea-ice-driven Eurasian cooling too weak in models?. <i>Nature Climate Change</i> , 2019 , 9, 937-939	21.4	12
29	Reproducibility and Future Projection of the Midwinter Storm-Track Activity over the Far East in the CMIP3 Climate Models in Relation to "Haru-Ichiban" over Japan. <i>Journal of the Meteorological Society of Japan</i> , 2009 , 87, 581-588	2.8	10
28	Multidecadal modulations of key metrics of global climate change. <i>Global and Planetary Change</i> , 2020 , 188, 103149	4.2	9
27	Distinct Mechanisms of Decadal Subsurface Heat Content Variations in the Eastern and Western Indian Ocean Modulated by Tropical Pacific SST. <i>Journal of Climate</i> , 2018 , 31, 7751-7769	4.4	8
26	Indo-Western Pacific Climate Variability: ENSO Forcing and Internal Dynamics in a Tropical Pacific Pacemaker Simulation. <i>Journal of Climate</i> , 2018 , 31, 10123-10139	4.4	8
25	Causes of Enhanced SST Variability over the Equatorial Atlantic and Its Relationship to the Atlantic Zonal Mode in CMIP5. <i>Journal of Climate</i> , 2017 , 30, 6171-6182	4.4	6
24	Interannual Variability of the Australian Summer Monsoon System Internally Sustained Through Wind-Evaporation Feedback. <i>Geophysical Research Letters</i> , 2018 , 45, 7748-7755	4.9	5

23	Relationship of the Reproducibility of Multiple Variables among Global Climate Models. <i>Journal of the Meteorological Society of Japan</i> , 2012 , 90A, 87-100	2.8	5
22	Influence of ENSO on North American subseasonal surface air temperature variability. <i>Weather and Climate Dynamics</i> , 2021 , 2, 395-412	3.3	5
21	Skillful predictions of the Asian summer monsoon one year ahead. <i>Nature Communications</i> , 2021 , 12, 2094	17.4	5
20	ENSO-Unrelated Variability in Indo-Northwest Pacific Climate: Regional Coupled Ocean-Atmospheric Feedback. <i>Journal of Climate</i> , 2020 , 33, 4095-4108	4.4	4
19	Characteristics of the North Pacific Oscillation in CMIP5 Models in Relation to Atmospheric Mean States. <i>Journal of Climate</i> , 2020 , 33, 3809-3825	4.4	4
18	Dynamics of Southern Hemisphere Atmospheric Circulation Response to Anthropogenic Aerosol Forcing. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089919	4.9	4
17	Moisture Supply, Jet, and Silk-Road Wave Train Associated with the Prolonged Heavy Rainfall in Kyushu, Japan in Early July 2020. <i>Scientific Online Letters on the Atmosphere</i> , 2021 , 17B, 1-8	2.1	4
16	The Indo-western Pacific Ocean capacitor effect 2021 , 141-169		4
15	Basin Interactions and Predictability 2020 , 258-292		3
14	Importance of a vertically tilting structure for energizing the North Atlantic Oscillation. <i>Scientific Reports</i> , 2020 , 10, 12671	4.9	3
13	Sea Surface Salinity Change since 1950: Internal Variability versus Anthropogenic Forcing. <i>Journal of Climate</i> , 2021 , 34, 1305-1319	4.4	3
12	Synchronized tropical Pacific and extratropical variability during the past three decades. <i>Nature Climate Change</i> , 2020 , 10, 422-427	21.4	2
11	Pacific Meridional Modes without Equatorial Pacific Influence. <i>Journal of Climate</i> , 2021 , 1-51	4.4	2
10	Radiative Impacts of Low-Level Clouds on the Summertime Subtropical High in the South Indian Ocean Simulated in a Coupled General Circulation Model. <i>Journal of Climate</i> , 2021 , 34, 3991-4007	4.4	2
9	Reply to: Eurasian cooling in response to Arctic sea-ice loss is not proved by maximum covariance analysis. <i>Nature Climate Change</i> , 2021 , 11, 109-111	21.4	2
8	Revisiting the Tropical Atlantic Influence on El Niño-Southern Oscillation. <i>Journal of Climate</i> , 2021 , 34, 8533-8548	4.4	2
7	The Effects of Natural Variability and Climate Change on the Record Low Sunshine over Japan during August 2017. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, S67-S71	6.1	1
6	Maintenance mechanisms of the wintertime subtropical high over the South Indian Ocean. <i>Journal of Climate</i> , 2022 , 1-54	4.4	1

- 5 Modulations of North American and European Weather Variability and Extremes by Interdecadal Variability of the Atmospheric Circulation over the North Atlantic Sector. *Journal of Climate*, **2020**, 33, 8125-8146 4.4 ○
- 4 Coupling of the Indian, western North Pacific, and East Asian summer monsoons **2021**, 263-286 ○
- 3 Remote influence of the interannual variability of the Australian summer monsoon on wintertime climate in East Asia and the western North Pacific. *Journal of Climate*, **2021**, 1-54 4.4 ○
- 2 Projected ENSO teleconnection changes in CMIP6. *Geophysical Research Letters*, 4.9 ○
- 1 Interannual variability and predictability of summer climate over the Northwest Pacific and East Asia 333-342