

Yu Kosaka

List of Publications by Year in descending order

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83
papers

6,507
citations

117619

34
h-index

69246

77
g-index

88
all docs

88
docs citations

88
times ranked

5369
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent global-warming hiatus tied to equatorial Pacific surface cooling. <i>Nature</i> , 2013, 501, 403-407.	27.8	1,436
2	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.	4.3	526
3	Structure and dynamics of the summertime Pacificâ€“Japan teleconnection pattern. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2006, 132, 2009-2030.	2.7	353
4	Making sense of the early-2000s warming slowdown. <i>Nature Climate Change</i> , 2016, 6, 224-228.	18.8	333
5	Slowdown of the Walker circulation driven by tropical Indo-Pacific warming. <i>Nature</i> , 2012, 491, 439-443.	27.8	281
6	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, 7574-7579.	7.1	253
7	A reconciled estimate of the influence of Arctic sea-ice loss on recent Eurasian cooling. <i>Nature Climate Change</i> , 2019, 9, 123-129.	18.8	191
8	Mechanisms of Meridional Teleconnection Observed between a Summer Monsoon System and a Subtropical Anticyclone. Part I: The Pacificâ€“Japan Pattern. <i>Journal of Climate</i> , 2010, 23, 5085-5108.	3.2	178
9	The tropical Pacific as a key pacemaker of the variable rates of global warming. <i>Nature Geoscience</i> , 2016, 9, 669-673.	12.9	169
10	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. <i>Nature Communications</i> , 2018, 9, 1724.	12.8	165
11	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.	1.8	163
12	Dynamics of Interannual Variability in Summer Precipitation over East Asia*. <i>Journal of Climate</i> , 2011, 24, 5435-5453.	3.2	161
13	Mechanisms for Tropical Tropospheric Circulation Change in Response to Global Warming*. <i>Journal of Climate</i> , 2012, 25, 2979-2994.	3.2	160
14	Limitations of Seasonal Predictability for Summer Climate over East Asia and the Northwestern Pacific. <i>Journal of Climate</i> , 2012, 25, 7574-7589.	3.2	150
15	Physical drivers of the summer 2019 North Pacific marine heatwave. <i>Nature Communications</i> , 2020, 11, 1903.	12.8	133
16	The Impact of Poleward Moisture and Sensible Heat Flux on Arctic Winter Sea Ice Variability*. <i>Journal of Climate</i> , 2015, 28, 5030-5040.	3.2	126
17	Seasonality and Predictability of the Indian Ocean Dipole Mode: ENSO Forcing and Internal Variability. <i>Journal of Climate</i> , 2015, 28, 8021-8036.	3.2	114
18	Decadal increase in Ningaloo<i>NiÃ±o</i> since the late 1990s. <i>Geophysical Research Letters</i> , 2015, 42, 104-112.	4.0	94

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19	Predictability of summer northwest Pacific climate in 11 coupled model hindcasts: Local and remote forcing. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	78
20	A 117-year long index of the Pacificâ€‘Japan pattern with application to interdecadal variability. <i>International Journal of Climatology</i> , 2016, 36, 1575-1589.	3.5	77
21	Distinct energy budgets for anthropogenic and natural changes during global warming hiatus. <i>Nature Geoscience</i> , 2016, 9, 29-33.	12.9	73
22	What Caused the Global Surface Warming Hiatus of 1998â€‘2013?. <i>Current Climate Change Reports</i> , 2017, 3, 128-140.	8.6	67
23	The impact of eastern equatorial Pacific convection on the diversity of boreal winter El NiÃ±o teleconnection patterns. <i>Climate Dynamics</i> , 2016, 47, 3737-3765.	3.8	65
24	The Eurasian Jet Streams as Conduits for East Asian Monsoon Variability. <i>Current Climate Change Reports</i> , 2019, 5, 233-244.	8.6	60
25	Intensification of El NiÃ±o-induced atmospheric anomalies under greenhouse warming. <i>Nature Geoscience</i> , 2021, 14, 377-382.	12.9	60
26	Enhanced warming constrained by past trends in equatorial Pacific sea surface temperature gradient. <i>Nature Climate Change</i> , 2021, 11, 33-37.	18.8	58
27	ENSO Influence on the Atlantic NiÃ±o, Revisited: Multi-Year versus Single-Year ENSO Events. <i>Journal of Climate</i> , 2019, 32, 4585-4600.	3.2	51
28	The North Pacific Pacemaker Effect on Historical ENSO and Its Mechanisms. <i>Journal of Climate</i> , 2019, 32, 7643-7661.	3.2	48
29	Pacific Decadal Oscillation: Tropical Pacific Forcing versus Internal Variability. <i>Journal of Climate</i> , 2018, 31, 8265-8279.	3.2	44
30	Future Change of Northern Hemisphere Summer Tropicalâ€‘Extratropical Teleconnection in CMIP5 Models*. <i>Journal of Climate</i> , 2014, 27, 3643-3664.	3.2	43
31	The Impact of Arctic Winter Infrared Radiation on Early Summer Sea Ice. <i>Journal of Climate</i> , 2015, 28, 6281-6296.	3.2	43
32	Arcticâ€‘Eurasian climate linkage induced by tropical ocean variability. <i>Nature Communications</i> , 2019, 10, 3441.	12.8	41
33	Dynamics of Asian Summer Monsoon Response to Anthropogenic Aerosol Forcing. <i>Journal of Climate</i> , 2019, 32, 843-858.	3.2	40
34	Influence of the Pacificâ€‘Japan Pattern on Indian Summer Monsoon Rainfall. <i>Journal of Climate</i> , 2018, 31, 3943-3958.	3.2	39
35	Detecting cross-equatorial wind change as a fingerprint of climate response to anthropogenic aerosol forcing. <i>Geophysical Research Letters</i> , 2016, 43, 3444-3450.	4.0	34
36	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.	3.2	32

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37	Tropical Ocean Contributions to California's Surprisingly Dry El Niño of 2015/16. <i>Journal of Climate</i> , 2017, 30, 10067-10079.	3.2	29
38	ENSO forced and local variability of North Tropical Atlantic SST: model simulations and biases. <i>Climate Dynamics</i> , 2018, 51, 4511-4524.	3.8	29
39	Skilful predictions of the Asian summer monsoon one year ahead. <i>Nature Communications</i> , 2021, 12, 2094.	12.8	25
40	Application of Cluster Analysis to Climate Model Performance Metrics. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 1666-1675.	1.5	22
41	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.	0.1	21
42	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.	3.2	21
43	Decadal Indian Ocean dipolar variability and its relationship with the tropical Pacific. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1282-1289.	4.3	20
44	Projected ENSO Teleconnection Changes in CMIP6. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	20
45	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.	1.4	19
46	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.	1.8	19
47	Multidecadal modulations of key metrics of global climate change. <i>Global and Planetary Change</i> , 2020, 188, 103149.	3.5	18
48	Global Influence of Tropical Pacific Variability with Implications for Global Warming Slowdown. <i>Journal of Climate</i> , 2017, 30, 2679-2695.	3.2	17
49	Slow warming and the ocean see-saw. <i>Nature Geoscience</i> , 2018, 11, 12-13.	12.9	17
50	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.	3.2	16
51	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.	3.2	16
52	Reply to: Is sea-ice-driven Eurasian cooling too weak in models?. <i>Nature Climate Change</i> , 2019, 9, 937-939.	18.8	16
53	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.	1.4	14
54	Revisiting the Tropical Atlantic Influence on El Niño's Southern Oscillation. <i>Journal of Climate</i> , 2021, 34, 8533-8548.	3.2	14

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55	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. Journal of the Meteorological Society of Japan, 2009, 87, 581-588.	1.8	14
56	Interannual Variability of the Australian Summer Monsoon System Internally Sustained Through Wind-Evaporation Feedback. Geophysical Research Letters, 2018, 45, 7748-7755.	4.0	11
57	ENSO-Unrelated Variability in Indo-Northwest Pacific Climate: Regional Coupled Ocean-Atmospheric Feedback. Journal of Climate, 2020, 33, 4095-4108.	3.2	11
58	Sea Surface Salinity Change since 1950: Internal Variability versus Anthropogenic Forcing. Journal of Climate, 2021, 34, 1305-1319.	3.2	11
59	Distinct Mechanisms of Decadal Subsurface Heat Content Variations in the Eastern and Western Indian Ocean Modulated by Tropical Pacific SST. Journal of Climate, 2018, 31, 7751-7769.	3.2	10
60	Influence of ENSO on North American subseasonal surface air temperature variability. Weather and Climate Dynamics, 2021, 2, 395-412.	3.5	10
61	Atmospheric Forcing of the Pacific Meridional Mode: Tropical Pacific-Driven Versus Internal Variability. Geophysical Research Letters, 2022, 49, .	4.0	10
62	Importance of a vertically tilting structure for energizing the North Atlantic Oscillation. Scientific Reports, 2020, 10, 12671.	3.3	9
63	Characteristics of the North Pacific Oscillation in CMIP5 Models in Relation to Atmospheric Mean States. Journal of Climate, 2020, 33, 3809-3825.	3.2	9
64	The Indo-western Pacific Ocean capacitor effect. , 2021, , 141-169.		9
65	Increasing wind sinks heat. Nature Climate Change, 2014, 4, 172-173.	18.8	8
66	Causes of Enhanced SST Variability over the Equatorial Atlantic and Its Relationship to the Atlantic Zonal Mode in CMIP5. Journal of Climate, 2017, 30, 6171-6182.	3.2	8
67	Dynamics of Southern Hemisphere Atmospheric Circulation Response to Anthropogenic Aerosol Forcing. Geophysical Research Letters, 2020, 47, e2020GL089919.	4.0	8
68	Synchronized tropical Pacific and extratropical variability during the past three decades. Nature Climate Change, 2020, 10, 422-427.	18.8	8
69	Pacific Meridional Modes without Equatorial Pacific Influence. Journal of Climate, 2021, , 1-51.	3.2	7
70	Relationship of the Reproducibility of Multiple Variables among Global Climate Models. Journal of the Meteorological Society of Japan, 2012, 90A, 87-100.	1.8	7
71	Coupling of the Indian, western North Pacific, and East Asian summer monsoons. , 2021, , 263-286.		5
72	Radiative Impacts of Low-Level Clouds on the Summertime Subtropical High in the South Indian Ocean Simulated in a Coupled General Circulation Model. Journal of Climate, 2021, 34, 3991-4007.	3.2	5

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73	Relationship between the Boreal Summer Intraseasonal Oscillation and the Pacific-Japan Pattern and Its Interannual Modulations. <i>Scientific Online Letters on the Atmosphere</i> , 2021, 17, 177-183.	1.4	3
74	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.	18.8	3
75	Remote influence of the interannual variability of the Australian summer monsoon on wintertime climate in East Asia and the western North Pacific. <i>Journal of Climate</i> , 2021, , 1-54.	3.2	3
76	Basin Interactions and Predictability. , 2020, , 258-292.		3
77	Modulations of North American and European Weather Variability and Extremes by Interdecadal Variability of the Atmospheric Circulation over the North Atlantic Sector. <i>Journal of Climate</i> , 2020, 33, 8125-8146.	3.2	2
78	Maintenance Mechanisms of the Wintertime Subtropical High over the South Indian Ocean. <i>Journal of Climate</i> , 2022, 35, 2989-3005.	3.2	2
79	Role of ocean dynamics in equatorial Pacific decadal variability. <i>Climate Dynamics</i> , 2022, 59, 2517-2529.	3.8	2
80	Baroclinic Blocking. <i>Geophysical Research Letters</i> , 0, , .	4.0	2
81	Interannual variability and predictability of summer climate over the Northwest Pacific and East Asia. , 0, , 333-342.		1
82	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.	3.3	1
83	Wintertime Weakening of Low-Cloud Impacts on the Subtropical High in the South Indian Ocean. <i>Journal of Climate</i> , 2022, 35, 323-334.	3.2	0