

# Kieran Hunt

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

821  
citations

623734

14  
h-index

526287

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

662  
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2018 Kerala floods: a climate change perspective. <i>Climate Dynamics</i> , 2020, 54, 2433-2446.	3.8	127
2	The evolution, seasonality and impacts of western disturbances. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 278-290.	2.7	115
3	On the Structure and Dynamics of Indian Monsoon Depressions. <i>Monthly Weather Review</i> , 2016, 144, 3391-3416.	1.4	89
4	The relationship between Indian monsoon rainfall and low-pressure systems. <i>Climate Dynamics</i> , 2019, 53, 1859-1871.	3.8	67
5	The spatiotemporal structure of precipitation in Indian monsoon depressions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 3195-3210.	2.7	46
6	Extreme Daily Rainfall in Pakistan and North India: Scale Interactions, Mechanisms, and Precursors. <i>Monthly Weather Review</i> , 2018, 146, 1005-1022.	1.4	46
7	Subtropical Westerly Jet Influence on Occurrence of Western Disturbances and Tibetan Plateau Vortices. <i>Geophysical Research Letters</i> , 2018, 45, 8629-8636.	4.0	43
8	Interaction of convective organization with monsoon precipitation, atmosphere, surface and sea: The 2016 INCOMPASS field campaign in India. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 2828-2852.	2.7	35
9	Falling Trend of Western Disturbances in Future Climate Simulations. <i>Journal of Climate</i> , 2019, 32, 5037-5051.	3.2	31
10	The dynamic and thermodynamic structure of the monsoon over southern India: New observations from the INCOMPASS IOP. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 2867-2890.	2.7	25
11	The effect of horizontal resolution on Indian monsoon depressions in the Met Office NWP model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 1756-1771.	2.7	24
12	The movement of Indian monsoon depressions by interaction with image vortices near the Himalayan wall. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 2224-2229.	2.7	20
13	Representation of Western Disturbances in CMIP5 Models. <i>Journal of Climate</i> , 2019, 32, 1997-2011.	3.2	20
14	The Effect of Soil Moisture Perturbations on Indian Monsoon Depressions in a Numerical Weather Prediction Model. <i>Journal of Climate</i> , 2017, 30, 8811-8823.	3.2	17
15	A case study of land-atmosphere coupling during monsoon onset in northern India. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 2891-2905.	2.7	14
16	Forecasting the monsoon on daily to seasonal time scales in support of a field campaign. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 2906-2927.	2.7	13
17	Synoptic-scale precursors of landslides in the western Himalaya and Karakoram. <i>Science of the Total Environment</i> , 2021, 776, 145895.	8.0	13
18	Modes of coastal precipitation over southwest India and their relationship with intraseasonal variability. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 181-201.	2.7	12

#	ARTICLE	IF	CITATIONS
19	The impacts of climate change on the winter water cycle of the western Himalaya. <i>Climate Dynamics</i> , 2020, 55, 2287-2307.	3.8	11
20	The Interaction of Indian Monsoon Depressions with Northwesterly Midlevel Dry Intrusions. <i>Monthly Weather Review</i> , 2018, 146, 679-693.	1.4	10
21	Katabatic and convective processes drive two preferred peaks in the precipitation diurnal cycle over the Central Himalaya. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 1731-1751.	2.7	8
22	How interactions between tropical depressions and western disturbances affect heavy precipitation in South Asia. <i>Monthly Weather Review</i> , 2021, , .	1.4	7
23	The four regional varieties of South Asian monsoon low-pressure systems and their modulation by tropical intraseasonal variability. <i>Weather</i> , 2021, 76, 194-200.	0.7	6
24	Comparison of the Prediction of Indian Monsoon Low Pressure Systems by Subseasonal-to-Seasonal Prediction Models. <i>Weather and Forecasting</i> , 2021, 36, 859-877.	1.4	4
25	The 2015 Indian summer monsoon onset “phenomena, forecasting and research flight planning. <i>Weather</i> , 2017, 72, 168-175.	0.7	3
26	The Role of the Subtropical Jet in Deficient Winter Precipitation Across the Mid-Holocene Indus Basin. <i>Geophysical Research Letters</i> , 2019, 46, 5452-5459.	4.0	2
27	The structure of strong Indian monsoon low-pressure systems in subseasonal-to-seasonal prediction models. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 2147-2166.	2.7	2
28	Eddy transport, Wave-mean flow interaction, and Eddy forcing during the 2013 Uttarakhand Extreme Event in the Reanalysis and S2S Retrospective Forecast Data. <i>International Journal of Climatology</i> , 0, , .	3.5	2