

# Karumuri Ashok

## List of Publications by Citations

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**Version:** 2024-04-09

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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.

63 papers	6,439 citations	27 h-index	68 g-index
68 ext. papers	7,284 ext. citations	5.9 avg, IF	5.9 L-index

#	Paper	IF	Citations
63	El Niño Modoki and its possible teleconnection. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		1770
62	Impact of the Indian Ocean dipole on the relationship between the Indian monsoon rainfall and ENSO. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 4499-4502	4.9	675
61	Impacts of recent El Niño Modoki on dry/wet conditions in the Pacific rim during boreal summer. <i>Climate Dynamics</i> , <b>2007</b> , 29, 113-129	4.2	427
60	Individual and Combined Influences of ENSO and the Indian Ocean Dipole on the Indian Summer Monsoon. <i>Journal of Climate</i> , <b>2004</b> , 17, 3141-3155	4.4	418
59	Drying of Indian subcontinent by rapid Indian Ocean warming and a weakening land-sea thermal gradient. <i>Nature Communications</i> , <b>2015</b> , 6, 7423	17.4	360
58	Influence of the Indian Ocean Dipole on the Australian winter rainfall. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	329
57	Increased frequency of extreme Indian Ocean Dipole events due to greenhouse warming. <i>Nature</i> , <b>2014</b> , 510, 254-8	50.4	213
56	ENSO Atmospheric Teleconnections and Their Response to Greenhouse Gas Forcing. <i>Reviews of Geophysics</i> , <b>2018</b> , 56, 185-206	23.1	207
55	A Look at the Relationship between the ENSO and the Indian Ocean Dipole.. <i>Journal of the Meteorological Society of Japan</i> , <b>2003</b> , 81, 41-56	2.8	186
54	On the impacts of ENSO and Indian Ocean dipole events on sub-regional Indian summer monsoon rainfall. <i>Natural Hazards</i> , <b>2007</b> , 42, 273-285	3	143
53	The Indo-Australian monsoon and its relationship to ENSO and IOD in reanalysis data and the CMIP3/CMIP5 simulations. <i>Climate Dynamics</i> , <b>2013</b> , 41, 3073-3102	4.2	132
52	Decadal variability of the Indian Ocean dipole. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	106
51	Comments on Dipoles, Temperature Gradients, and Tropical Climate Anomalies— <i>Bulletin of the American Meteorological Society</i> , <b>2003</b> , 84, 1418-1422	6.1	96
50	Projected Climate Change in the Hindu Kush-Himalayan Region By Using the High-resolution Regional Climate Model PRECIS. <i>Mountain Research and Development</i> , <b>2013</b> , 33, 142-151	1.4	84
49	Seasonal intercomparison of observational rainfall datasets over India during the southwest monsoon season. <i>International Journal of Climatology</i> , <b>2015</b> , 35, 2326-2338	3.5	77
48	Summertime Response of the Tropical Atmosphere to the Indian Ocean Dipole Sea Surface Temperature Anomalies. <i>Journal of the Meteorological Society of Japan</i> , <b>2003</b> , 81, 533-561	2.8	76
47	Impacts of ENSO and Indian Ocean Dipole Events on the Southern Hemisphere Storm-Track Activity during Austral Winter. <i>Journal of Climate</i> , <b>2007</b> , 20, 3147-3163	4.4	75

46	ENSO Modoki impact on the Southern Hemisphere storm track activity during extended austral winter. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	71
45	Assessment of the APCC coupled MME suite in predicting the distinctive climate impacts of two flavors of ENSO during boreal winter. <i>Climate Dynamics</i> , <b>2012</b> , 39, 475-493	4.2	61
44	Revisiting El Niño Modokis. <i>Climate Dynamics</i> , <b>2015</b> , 45, 3527-3545	4.2	55
43	Observational challenges in evaluating climate models. <i>Nature Climate Change</i> , <b>2013</b> , 3, 940-941	21.4	45
42	The Asian summer monsoon response to the La Niña event of 2010. <i>Meteorological Applications</i> , <b>2012</b> , 19, 216-225	2.1	41
41	Processes and boreal summer impacts of the 2004 El Niño Modoki: An AGCM study. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	35
40	The IITM Earth System Model: Transformation of a Seasonal Prediction Model to a Long-Term Climate Model. <i>Bulletin of the American Meteorological Society</i> , <b>2015</b> , 96, 1351-1367	6.1	32
39	Statistical Downscaling of Precipitation in Korea Using Multimodel Output Variables as Predictors. <i>Monthly Weather Review</i> , <b>2009</b> , 137, 1928-1938	2.4	32
38	Quantifying the reliability of precipitation datasets for monitoring large-scale East Asian precipitation variations. <i>International Journal of Climatology</i> , <b>2012</b> , 32, 1520-1526	3.5	29
37	Role of changed Indo-Pacific atmospheric circulation in the recent disconnect between the Indian summer monsoon and ENSO. <i>Climate Dynamics</i> , <b>2019</b> , 52, 1461-1470	4.2	27
36	A Numerical Simulation Study of the Indian Summer Monsoon of 1994 using NCAR MM5. <i>Journal of the Meteorological Society of Japan</i> , <b>2004</b> , 82, 1755-1775	2.8	24
35	The Indian summer monsoon rainfall and ENSO. <i>Mausam</i> , <b>2021</b> , 70, 443-452	0.8	22
34	Increasing heavy rainfall events in south India due to changing land use and land cover. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2020</b> , 146, 3064-3085	6.4	20
33	The Chennai extreme rainfall event in 2015: The Bay of Bengal connection. <i>Climate Dynamics</i> , <b>2018</b> , 50, 2867-2879	4.2	20
32	ENSO Atmospheric Teleconnections. <i>Geophysical Monograph Series</i> , <b>2020</b> , 309-335	1.1	20
31	Toward enhancement of prediction skills of multimodel ensemble seasonal prediction: A climate filter concept. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		19
30	Spatiotemporal characteristics of seasonal to multidecadal variability of pCO <sub>2</sub> and air-sea CO <sub>2</sub> fluxes in the equatorial Pacific Ocean. <i>Journal of Geophysical Research: Oceans</i> , <b>2014</b> , 119, 8987-9012	3.3	18
29	Decadal changes in the relationship between the Indian and Australian summer monsoons. <i>Climate Dynamics</i> , <b>2014</b> , 42, 1043-1052	4.2	17

28	On the Recent Amplification of Dust Over the Arabian Peninsula During 2002-2012. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 13220-13229	4.4	17
27	More-frequent extreme northward shifts of eastern Indian Ocean tropical convergence under greenhouse warming. <i>Scientific Reports</i> , <b>2014</b> , 4, 6087	4.9	13
26	Improvement of Multimodel Ensemble Seasonal Prediction Skills over East Asian Summer Monsoon Region Using a Climate Filter Concept. <i>Journal of Applied Meteorology and Climatology</i> , <b>2013</b> , 52, 1127-1138	4.7	12
25	Simulation of Tropical Cyclone Circulation over Bay of Bengal Using the Arakawa-Schubert Cumulus Parametrization. Part I: Description of the Model, Initial Data and Results of the Control Experiment. <i>Pure and Applied Geophysics</i> , <b>1999</b> , 156, 525-542	2.2	12
24	Uncertainties in observations and climate projections for the North East India. <i>Global and Planetary Change</i> , <b>2018</b> , 160, 96-108	4.2	12
23	A PMIP3 narrative of modulation of ENSO teleconnections to the Indian summer monsoon by background changes in the Last Millennium. <i>Climate Dynamics</i> , <b>2019</b> , 53, 3445-3461	4.2	11
22	Potential modulations of pre-monsoon aerosols during El Niño: impact on Indian summer monsoon. <i>Climate Dynamics</i> , <b>2017</b> , 49, 2279-2290	4.2	11
21	Nonlinearities in the Evolutional Distinctions Between El Niño and La Niña Types. <i>Journal of Geophysical Research: Oceans</i> , <b>2017</b> , 122, 9649-9662	3.3	10
20	Evaluation of monsoon seasonality and the tropospheric biennial oscillation transitions in the CMIP models. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4.9	10
19	Improvement of grand multi-model ensemble prediction skills for the coupled models of APCC/ENSEMBLES using a climate filter. <i>Atmospheric Science Letters</i> , <b>2013</b> , 14, 139-145	2.4	9
18	Revisiting the Indian summer monsoon-ENSO links in the IPCC AR4 projections: A cautionary outlook. <i>Global and Planetary Change</i> , <b>2013</b> , 104, 51-60	4.2	8
17	Are Climate Extremities Changing Forest Fire Regimes in India? An Analysis Using MODIS Fire Locations During 2003-2013 and Gridded Climate Data of India Meteorological Department. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , <b>2017</b> , 87, 827-843	0.9	7
16	Understanding the Revival of the Indian Summer Monsoon after Breaks. <i>Journals of the Atmospheric Sciences</i> , <b>2017</b> , 74, 1417-1429	2.1	6
15	Relevance of Indian Summer Monsoon and its Tropical Indo-Pacific Climate Drivers for the Kharif Crop Production. <i>Pure and Applied Geophysics</i> , <b>2018</b> , 175, 2307-2322	2.2	6
14	On the Relation between the Boreal Spring Position of the Atlantic Intertropical Convergence Zone and Atlantic Zonal Mode. <i>Journal of Climate</i> , <b>2019</b> , 32, 4767-4781	4.4	5
13	Climate Modeling in India: Present Status and the Way Forward. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, ES183-ES188	6.1	5
12	Emerging Skill in Multi-Year Prediction of the Indian Ocean Dipole. <i>Frontiers in Climate</i> , <b>2021</b> , 3,	7.1	3
11	Tropical Indian Ocean and ENSO relationships in a changed climate. <i>Climate Dynamics</i> , <b>2021</b> , 56, 3255-3276	4.6	3

10	South Asian Subtropical Low-Level Jet: Influence on Regional Hydrology and Aerosol Optical Depth. <i>Current Science</i> , <b>2019</b> , 117, 852	2.2	2
9	The Past Climate of the Indian Region as Seen from the Modelling World. <i>Current Science</i> , <b>2020</b> , 119, 316	2.2	2
8	Long-term changes in the Arabian Peninsula rainfall and their relationship with the ENSO signals in the tropical Indo-Pacific. <i>Climate Dynamics</i> , 1	4.2	2
7	Potential influence of the Atlantic Multi-decadal Oscillation in modulating the biennial relationship between Indian and Australian summer monsoons. <i>International Journal of Climatology</i> , <b>2018</b> , 38, 5220-5230	3.5	2
6	Indian Ocean Variability and Interactions <b>2020</b> , 153-185		1
5	The Importance of the Orbital Parameters for the Indian Summer Monsoon During the Mid-Holocene, as Deciphered From Atmospheric Model Experiments. <i>Frontiers in Earth Science</i> , <b>2021</b> , 9,	3.5	1
4	Summer monsoon over northeastern India during the last millennium. <i>International Journal of Climatology</i> ,	3.5	1
3	Value addition to forecasting: towards Kharif rice crop predictability through local climate variations associated with Indo-Pacific climate drivers. <i>Theoretical and Applied Climatology</i> , <b>2021</b> , 144, 917-929	3	0
2	ENSO Modoki teleconnections to Indian summer monsoon rainfall: A review <b>2021</b> , 69-90		0
1	Simulation of interannual relationship between the Atlantic zonal mode and Indian summer monsoon in CFSv2. <i>Climate Dynamics</i> , <b>2021</b> , 57, 353-373	4.2	