S Chowdary Jasti

List of Publications by Citations

88 papers	1,843 citations	21 h-index	40 g-index
91 ext. papers	2,254 ext. citations	3.5 avg, IF	5.13 L-index

#	Paper	IF	Citations
88	Indo-western Pacific ocean capacitor and coherent climate anomalies in post-ENSO summer: A review. *Advances in Atmospheric Sciences*, **2016**, 33, 411-432	2.9	329
87	Limitations of Seasonal Predictability for Summer Climate over East Asia and the Northwestern Pacific. *Journal of Climate*, **2012**, 25, 7574-7589	4.4	122
86	Interdecadal Variations in ENSO Teleconnection to the Indo-Western Pacific for 1870-2007. *Journal of Climate*, **2012**, 25, 1722-1744	4.4	96
85	Predictability of Northwest Pacific climate during summer and the role of the tropical Indian Ocean. *Climate Dynamics*, **2011**, 36, 607-621	4.2	90
84	Basin-wide warming of the Indian Ocean during El Niño and Indian Ocean dipole years. *International Journal of Climatology*, **2007**, 27, 1421-1438	3.5	79
83	Predictability of summer northwest Pacific climate in 11 coupled model hindcasts: Local and remote forcing. *Journal of Geophysical Research*, **2010**, 115,		74
82	Westward propagation of barrier layer formation in the 2006-07 Rossby wave event over the tropical southwest Indian Ocean. *Geophysical Research Letters*, **2009**, 36,	4.9	64
81	Indian summer monsoon rainfall variability in response to differences in the decay phase of El Niño. *Climate Dynamics*, **2017**, 48, 2707-2727	4.2	48
80	Assessment of the Indian summer monsoon in the WRF regional climate model. *Climate Dynamics*, **2015**, 44, 3077-3100	4.2	44
79	Relative role of El Niño and IOD forcing on the southern tropical Indian Ocean Rossby waves. *Journal of Geophysical Research: Oceans*, **2014**, 119, 5105-5122	3.3	34
78	Spring asymmetric mode in the tropical Indian Ocean: role of El Niño and IOD. *Climate Dynamics*, **2013**, 40, 1467-1481	4.2	32
77	Surface air temperature variability over the Arabian Peninsula and its links to circulation patterns. *International Journal of Climatology*, **2019**, 39, 445-464	3.5	31
76	The Eurasian Jet Streams as Conduits for East Asian Monsoon Variability. *Current Climate Change Reports*, **2019**, 5, 233-244	9	30
75	The Tropical Indian Ocean decadal sea level response to the Pacific Decadal Oscillation forcing. *Climate Dynamics*, **2019**, 52, 5045-5058	4.2	30
74	Influence of the Pacific-Japan Pattern on Indian Summer Monsoon Rainfall. *Journal of Climate*, **2018**, 31, 3943-3958	4.4	29
73	Impact of Northwest Pacific anticyclone on the Indian summer monsoon region. *Theoretical and Applied Climatology*, **2013**, 113, 329-336	3	27
72	Role of tropical Indian Ocean air–sea interactions in modulating Indian summer monsoon in a coupled model. *Atmospheric Science Letters*, **2015**, 16, 170-176	2.4	27

71	The role of the Indian Summer Monsoon variability on Arabian Peninsula summer climate. *Climate Dynamics*, **2019**, 52, 3389-3404	4.2	27
70	Impact of the Indo-Western Pacific Ocean Capacitor mode on South Asian summer monsoon rainfall. *Climate Dynamics*, **2019**, 53, 2327-2338	4.2	25
69	Atlantic Niño modulation of the Indian summer monsoon through Asian jet. *Npj Climate and Atmospheric Science*, **2018**, 1,	8	25
68	Interannual variability of surface air-temperature over India: impact of ENSO and Indian Ocean Sea surface temperature. *International Journal of Climatology*, **2014**, 34, 416-429	3.5	24
67	Impact of prolonged La Niña events on the Indian Ocean with a special emphasis on southwest Tropical Indian Ocean SST. *Global and Planetary Change*, **2013**, 100, 28-37	4.2	21
66	Representation of Bay of Bengal Upper-Ocean Salinity in General Circulation Models. *Oceanography* , **2016**, 29, 38-49	2.3	20
65	Inter comparison of Tropical Indian Ocean features in different ocean reanalysis products. *Climate Dynamics*, **2018**, 51, 119-141	4.2	18
64	Indian summer monsoon intra-seasonal oscillation associated with the developing and decaying phase of El Niño. *International Journal of Climatology*, **2016**, 36, 1846-1862	3.5	18
63	Epochal changes in the seasonal evolution of tropical Indian Ocean warming associated with El Niño. *Climate Dynamics*, **2014**, 42, 805-822	4.2	18
62	The interannual sea level variability in the Indian Ocean as simulated by an Ocean General Circulation Model. *International Journal of Climatology*, **2018**, 38, 1132-1144	3.5	17
61	Role of thermocline–SST coupling in the evolution of IOD events and their regional impacts. *Climate Dynamics*, **2014**, 43, 163-174	4.2	17
60	Summer monsoon circulation and precipitation over the tropical Indian Ocean during ENSO in the NCEP climate forecast system. *Climate Dynamics*, **2014**, 42, 1925-1947	4.2	17
59	Changing trends in the tropical Indian Ocean SST during La Niña years. *Geophysical Research Letters*, **2006**, 33, n/a-n/a	4.9	17
58	Role of upper ocean processes in the seasonal SST evolution over tropical Indian Ocean in climate forecasting system. *Climate Dynamics*, **2015**, 45, 2387-2405	4.2	16
57	Impact of satellite-retrieved atmospheric temperature profiles assimilation on Asian summer monsoon 2010 simulation. *Theoretical and Applied Climatology*, **2014**, 116, 317-326	3	16
56	Processes Associated with the Tropical Indian Ocean Subsurface Temperature Bias in a Coupled Model. *Journal of Physical Oceanography*, **2016**, 46, 2863-2875	2.4	15
55	Tropical Indian Ocean response to the decay phase of El Niño in a coupled model and associated changes in south and east-Asian summer monsoon circulation and rainfall. *Climate Dynamics*, **2016**, 47, 831-844	4.2	15
54	Inter-decadal modulation of ENSO teleconnections to the Indian Ocean in a coupled model: Special emphasis on decay phase of El Niño. *Global and Planetary Change*, **2014**, 112, 33-40	4.2	15

53	Seasonal Prediction of Distinct Climate Anomalies in Summer 2010 over the Tropical Indian Ocean and South Asia. *Journal of the Meteorological Society of Japan*, **2014**, 92, 1-16	2.8	15
52	Impact of upper ocean processes and air–sea fluxes on seasonal SST biases over the tropical Indian Ocean in the NCEP Climate Forecasting System. *International Journal of Climatology*, **2016**, 36, 188-207	3.5	15
51	Diversity in the representation of large-scale circulation associated with ENSO-Indian summer monsoon teleconnections in CMIP5 models. *Theoretical and Applied Climatology*, **2018**, 132, 465-478	3	14
50	Tropical Indian Ocean surface salinity bias in Climate Forecasting System coupled models and the role of upper ocean processes. *Climate Dynamics*, **2016**, 46, 2403-2422	4.2	13
49	Subseasonal variations of Indian summer monsoon with special emphasis on drought and excess rainfall years. *International Journal of Climatology*, **2015**, 35, 570-582	3.5	13
48	Impact of tropical cyclones on the intensity and phase propagation of fall Wyrtki jets. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	13
47	Indian Ocean Warming **2020**, 191-206		13
46	Impact of El Niño Modoki on Indian summer monsoon rainfall: Role of western north Pacific circulation in observations and CMIP5 models. *International Journal of Climatology*, **2020**, 40, 2117-2133	3.5	13
45	Reanalysis of the Indian summer monsoon: four dimensional data assimilation of AIRS retrievals in a regional data assimilation and modeling framework. *Climate Dynamics*, **2018**, 50, 2905-2923	4.2	12
44	. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2015**, 8, 1591-1600	4.7	11
43	Arabian Sea SST evolution during spring to summer transition period and the associated processes in coupled climate models. *International Journal of Climatology*, **2016**, 36, 2541-2554	3.5	11
42	A study on the variability of atmospheric and oceanic processes over the Arabian Sea during contrasting monsoons. *Meteorology and Atmospheric Physics*, **2006**, 94, 65-85	2	11
41	Precipitation Changes in India **2020**, 47-72		11
40	Association between mean and interannual equatorial Indian Ocean subsurface temperature bias in a coupled model. *Climate Dynamics*, **2018**, 50, 1659-1673	4.2	11
39	The role of Arabian Sea in the evolution of Indian Ocean Dipole. *International Journal of Climatology* , **2014**, 34, 1845-1859	3.5	9
38	Interannual spring Wyrtki jet variability and its regional impacts. *Dynamics of Atmospheres and Oceans*, **2017**, 78, 26-37	1.9	8
37	Indian summer monsoon rainfall variability during 2014 and 2015 and associated Indo-Pacific upper ocean temperature patterns. *Theoretical and Applied Climatology*, **2018**, 131, 1235-1247	3	8
36	Role of Ocean Initial Conditions to Diminish Dry Bias in the Seasonal Prediction of Indian Summer Monsoon Rainfall: A Case Study Using Climate Forecast System. *Journal of Advances in Modeling Earth Systems*, **2018**, 10, 603-616	7.1	8

35	Coupled effects of ocean current on wind stress in the Bay of Bengal: Eddy energetics and upper ocean stratification. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2019**, 168, 104617	2.3	8
34	North-East monsoon rainfall extremes over the southern peninsular India and their association with El Niño. *Dynamics of Atmospheres and Oceans*, **2017**, 80, 1-11	1.9	8
33	Evolution of Sea Surface Salinity Anomalies in the Southwestern Tropical Indian Ocean During 2010–2011 Influenced by a Negative IOD Event. *Journal of Geophysical Research: Oceans*, **2019**, 124, 3428-3445	3.3	7
32	Indian summer monsoon rainfall predictability and variability associated with Northwest Pacific circulation in a suit of coupled model hindcasts. *Theoretical and Applied Climatology*, **2014**, 118, 69-79	3	7
31	Asymmetry in the tropical Indian Ocean subsurface temperature variability. *Dynamics of Atmospheres and Oceans*, **2020**, 90, 101142	1.9	6
30	Water mass properties and transports in the Arabian Sea from Argo observations. *Vital*, **2005**, 10, 235-260		6
29	Recent changes in the summer monsoon circulation and their impact on dynamics and thermodynamics of the Arabian Sea. *Theoretical and Applied Climatology*, **2019**, 136, 321-331	3	6
28	Evolution and collapse of Arabian Sea warm pool during two contrasting monsoons 2002 and 2003. *Mausam*, **2022**, 56, 187-200	0.8	5
27	Interdecadal modulation of the Indo-western Pacific Ocean Capacitor mode and its influence on Indian summer monsoon rainfall. *Climate Dynamics*, **2020**, 54, 1761-1777	4.2	5
26	Month-to-month variability of Indian summer monsoon rainfall in 2016: role of the Indo-Pacific climatic conditions. *Climate Dynamics*, **2019**, 52, 1157-1171	4.2	5
25	Impact of differences in the decaying phase of El Niño on South and East Asia summer monsoon in CMIP5 models. *International Journal of Climatology*, **2019**, 39, 5503-5521	3.5	4
24	Impact of satellite data assimilation on the predictability of monsoon intraseasonal oscillations in a regional model. *Remote Sensing Letters*, **2017**, 8, 686-695	2.3	3
23	Decadal variability of tropical Indian Ocean sea surface temperature and its impact on the Indian summer monsoon. *Theoretical and Applied Climatology*, **2020**, 141, 551-566	3	3
22	Diversity in ENSO remote connection to northeast monsoon rainfall in observations and CMIP5 models. *Theoretical and Applied Climatology*, **2020**, 141, 827-839	3	3
21	Role of ocean-atmosphere interactions in modulating the 2016 La Niña like pattern over the tropical Pacific. *Dynamics of Atmospheres and Oceans*, **2018**, 83, 100-110	1.9	3
20	Sea Level Variability and Trends in the North Indian Ocean. *Springer Geology*, **2017**, 181-192	0.8	3
19	Interdecadal modulation of interannual ENSO-Indian summer monsoon rainfall teleconnections in observations and CMIP6 models: Regional patterns. *International Journal of Climatology*, **2021**, 41, 2528-2552	3.5	3
18	Meridional displacement of the Asian jet and its impact on Indian summer monsoon rainfall in observations and CFSv2 hindcast. *Climate Dynamics*,1	4.2	3

17	Response of the tropical Indian Ocean SST to decay phase of La Niña and associated processes. *Dynamics of Atmospheres and Oceans*, **2017**, 80, 110-123	1.9	2
16	Tropospheric biennial oscillation and south Asian summer monsoon rainfall in a coupled model. *Journal of Earth System Science*, **2018**, 127, 1	1.8	2
15	Northeast monsoon rainfall variability over the southern Peninsular India associated with multiyear La Niña events. *Climate Dynamics*, **2019**, 53, 6265-6291	4.2	2
14	Assessment of CMIP6 modelsaskill for tropical Indian Ocean sea surface temperature variability. *International Journal of Climatology*, **2021**, 41, 2568-2588	3.5	2
13	Biases in the Tropical Indian Ocean subsurface temperature variability in a coupled model. *Climate Dynamics*, **2019**, 52, 5325-5344	4.2	2
12	Impact of multiyear La Niña events on the South and East Asian summer monsoon rainfall in observations and CMIP5 models. *Climate Dynamics*, **2019**, 52, 6989-7011	4.2	2
11	Teleconnection along the Asian jet stream and its association with the Asian summer monsoon **2021**, 287-298		2
10	Evaluation of Upper Tropospheric Humidity in WRF Model during Indian Summer Monsoon. *Asia-Pacific Journal of Atmospheric Sciences*, **2019**, 55, 575-588	2.1	1
9	Relationship between the Indo-western Pacific Ocean capacitor mode and Indian summer monsoon rainfall in CMIP6 models. *Climate Dynamics*,1	4.2	1
8	Sensitivity of Subsurface Processes of Equatorial Pacific Ocean to the Heat and Momentum Fluxes: A Case Study of 1997-98 El Niño. *Journal of Coastal Research*, **2020**, 89, 26	0.6	1
7	Indian Summer Monsoon Sub-seasonal Low-Level Circulation Predictability and its Association with Rainfall in a Coupled Model. *Pure and Applied Geophysics*, **2018**, 175, 449-463	2.2	1
6	Prolonged La Niña events and the associated heat distribution in the Tropical Indian Ocean. *Climate Dynamics*,1	4.2	0
5	Drivers of the Indian summer monsoon climate variability **2021**, 1-28		0
4	Increasing 2020-Like Boreal Summer Rainfall Extremes Over Northeast Indian Subcontinent Under Greenhouse Warming. *Geophysical Research Letters*, **2022**, 49,	4.9	0
3	Decadal prediction skill for spring and summer surface air-temperature over India and its association with SST patterns in CFSv2 and CNRM coupled models. *Journal of Earth System Science*, **2021**, 130, 1	1.8	
2	Assessment of APCC models fidelity in simulating the Northeast monsoon rainfall variability over Southern Peninsular India. *Theoretical and Applied Climatology*, **2021**, 144, 931-948	3	
1	Influence of multi-mission chlorophyll-a data on the simulation of upper ocean thermal structure in the eastern Pacific Ocean. *International Journal of Remote Sensing*, **2021**, 42, 3445-3455	3.1	