

Suryachandra A Rao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/698662/suryachandra-a-rao-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

71
papers

4,968
citations

30
h-index

70
g-index

74
ext. papers

5,611
ext. citations

3.8
avg, IF

5.43
L-index

#	Paper	IF	Citations
71	El Niño Modoki and its possible teleconnection. <i>Journal of Geophysical Research</i> , 2007 , 112,		1770
70	Impacts of recent El Niño Modoki on dry/wet conditions in the Pacific rim during boreal summer. <i>Climate Dynamics</i> , 2007 , 29, 113-129	4.2	427
69	Interannual subsurface variability in the tropical Indian Ocean with a special emphasis on the Indian Ocean Dipole. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 1549-1572	2.3	257
68	A CGCM Study on the Interaction between IOD and ENSO. <i>Journal of Climate</i> , 2006 , 19, 1688-1705	4.4	229
67	Coupled Ocean-Atmosphere Variability in the Tropical Indian Ocean. <i>Geophysical Monograph Series</i> , 2013 , 189-211	1.1	181
66	Subsurface influence on SST in the tropical Indian Ocean: structure and interannual variability. <i>Dynamics of Atmospheres and Oceans</i> , 2005 , 39, 103-135	1.9	143
65	Simulation of boreal summer intraseasonal oscillations in the latest CMIP5 coupled GCMs. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 4401-4420	4.4	108
64	Why is Indian Ocean warming consistently?. <i>Climatic Change</i> , 2012 , 110, 709-719	4.5	97
63	Comments on Dipoles, Temperature Gradients, and Tropical Climate Anomalies <i>Bulletin of the American Meteorological Society</i> , 2003 , 84, 1418-1422	6.1	96
62	Abrupt termination of Indian Ocean dipole events in response to intraseasonal disturbances. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	93
61	Improved simulation of Indian summer monsoon in latest NCEP climate forecast system free run. <i>International Journal of Climatology</i> , 2014 , 34, 1628-1641	3.5	82
60	Modulation of Sri Lankan Maha rainfall by the Indian Ocean Dipole. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	78
59	Indian summer monsoon rainfall simulation and prediction skill in the CFSv2 coupled model: Impact of atmospheric horizontal resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 2205-2221	4.4	73
58	Why ensemble mean projection of south Asian monsoon rainfall by CMIP5 models is not reliable?. <i>Climate Dynamics</i> , 2015 , 45, 161-174	4.2	72
57	Indian Ocean Dipole Modulates the Number of Extreme Rainfall Events over India in a Warming Environment. <i>Journal of the Meteorological Society of Japan</i> , 2008 , 86, 245-252	2.8	70
56	Comments on A Cautionary Note on the Interpretation of EOFs <i>Journal of Climate</i> , 2003 , 16, 1087-1093	4.4	67
55	Simulation of monsoon intraseasonal variability in NCEP CFSv2 and its role on systematic bias. <i>Climate Dynamics</i> , 2014 , 43, 2725-2745	4.2	65

54	ENSO, IOD and Indian Summer Monsoon in NCEP climate forecast system. <i>Climate Dynamics</i> , 2012 , 39, 2143-2165	4.2	61
53	Unusual Central Indian Drought of Summer Monsoon 2008: Role of Southern Tropical Indian Ocean Warming. <i>Journal of Climate</i> , 2010 , 23, 5163-5174	4.4	59
52	On the relationship between Indian summer monsoon withdrawal and Indo-Pacific SST anomalies before and after 1976/1977 climate shift. <i>Climate Dynamics</i> , 2012 , 39, 841-859	4.2	58
51	Generation and termination of Indian Ocean dipole events in 2003, 2006 and 2007. <i>Climate Dynamics</i> , 2009 , 33, 751-767	4.2	56
50	Influence of Indian Ocean Dipole on Poleward Propagation of Boreal Summer Intraseasonal Oscillations. <i>Journal of Climate</i> , 2008 , 21, 5437-5454	4.4	49
49	Why were cool SST anomalies absent in the Bay of Bengal during the 1997 Indian Ocean Dipole Event?. <i>Geophysical Research Letters</i> , 2002 , 29, 50-1	4.9	48
48	Model biases in long coupled runs of NCEP CFS in the context of Indian summer monsoon. <i>International Journal of Climatology</i> , 2013 , 33, 1057-1069	3.5	46
47	Monsoons to Mixing in the Bay of Bengal: Multiscale Air-Sea Interactions and Monsoon Predictability. <i>Oceanography</i> , 2016 , 29, 18-27	2.3	44
46	Chlorophyll-a bloom along the southern coasts of Java and Sumatra during 2006. <i>International Journal of Remote Sensing</i> , 2009 , 30, 663-671	3.1	39
45	Monsoon Mission: A Targeted Activity to Improve Monsoon Prediction across Scales. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 2509-2532	6.1	34
44	Large-scale teleconnection patterns of Indian summer monsoon as revealed by CFSv2 retrospective seasonal forecast runs. <i>International Journal of Climatology</i> , 2016 , 36, 3297-3313	3.5	34
43	Influence of extratropical sea-surface temperature on the Indian summer monsoon: an unexplored source of seasonal predictability. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015 , 141, 2760-2775	6.4	34
42	Impact of revised cloud microphysical scheme in CFSv2 on the simulation of the Indian summer monsoon. <i>International Journal of Climatology</i> , 2015 , 35, 4738-4755	3.5	31
41	Indian summer monsoon prediction and simulation in CFSv2 coupled model. <i>Atmospheric Science Letters</i> , 2016 , 17, 57-64	2.4	30
40	Modulation of SST, SSS over northern Bay of Bengal on ISO time scale. <i>Journal of Geophysical Research</i> , 2011 , 116,		30
39	Modulation of monsoon intraseasonal oscillations in the recent warming period. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 5185-5203	4.4	28
38	Diurnal Cycle Induced Amplification of Sea Surface Temperature Intraseasonal Oscillations Over the Bay of Bengal in Summer Monsoon Season. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011 , 8, 2062-2065	4.1	27
37	Termination of Indian Ocean Dipole Events in a Coupled General Circulation Model. <i>Journal of Climate</i> , 2007 , 20, 3018-3035	4.4	27

36	Role of Indian Ocean SST variability on the recent global warming hiatus. <i>Global and Planetary Change</i> , 2016 , 143, 21-30	4.2	24
35	Prediction of Indian Summer-Monsoon Onset Variability: A Season in Advance. <i>Scientific Reports</i> , 2017 , 7, 14229	4.9	23
34	Impact of a Narrow Coastal Bay of Bengal Sea Surface Temperature Front on an Indian Summer Monsoon Simulation. <i>Scientific Reports</i> , 2018 , 8, 17694	4.9	23
33	Prediction of seasonal summer monsoon rainfall over homogenous regions of India using dynamical prediction system. <i>Journal of Hydrology</i> , 2017 , 546, 103-112	6	22
32	Diagnosis of boreal summer intraseasonal oscillation in high resolution NCEP climate forecast system. <i>Climate Dynamics</i> , 2016 , 46, 3287-3303	4.2	20
31	Seasonal prediction skill of Indian summer monsoon rainfall in NMME models and monsoon mission CFSv2. <i>International Journal of Climatology</i> , 2018 , 38, e847-e861	3.5	18
30	How distinct are the two flavors of El Niño in retrospective forecasts of Climate Forecast System version 2 (CFSv2)?. <i>Climate Dynamics</i> , 2017 , 48, 3829-3854	4.2	17
29	Summer monsoon circulation and precipitation over the tropical Indian Ocean during ENSO in the NCEP climate forecast system. <i>Climate Dynamics</i> , 2014 , 42, 1925-1947	4.2	17
28	Indian summer monsoon drought 2009: role of aerosol and cloud microphysics. <i>Atmospheric Science Letters</i> , 2013 , 14, 181-186	2.4	17
27	Influence of Indian Ocean Dipole on boreal summer intraseasonal oscillations in a coupled general circulation model. <i>Journal of Geophysical Research</i> , 2009 , 114,		16
26	Structure, characteristics, and simulation of monsoon low-pressure systems in CFSv2 coupled model. <i>Journal of Geophysical Research: Oceans</i> , 2017 , 122, 6394-6415	3.3	15
25	Seminal role of stratiform clouds in large-scale aggregation of tropical rain in boreal summer monsoon intraseasonal oscillations. <i>Climate Dynamics</i> , 2017 , 48, 999-1015	4.2	12
24	Impact of convective parameterization on the seasonal prediction skill of Indian summer monsoon. <i>Climate Dynamics</i> , 2019 , 53, 6227-6243	4.2	11
23	Hindcast skill improvement in Climate Forecast System (CFSv2) using modified cloud scheme. <i>International Journal of Climatology</i> , 2018 , 38, 2994-3012	3.5	11
22	Loss of predictive skill of indian summer monsoon rainfall in NCEP CFSv2 due to misrepresentation of Atlantic zonal mode. <i>Climate Dynamics</i> , 2019 , 52, 4599-4619	4.2	10
21	Assessment of simulation of radiation in NCEP Climate Forecasting System (CFS V2). <i>Atmospheric Research</i> , 2017 , 193, 94-106	5.4	9
20	Shift in MONSOONBST teleconnections in the tropical Indian Ocean and ENSEMBLES climate models' fidelity in its simulation. <i>International Journal of Climatology</i> , 2017 , 37, 2280-2294	3.5	9
19	Potential predictability and actual skill of Boreal Summer Tropical SST and Indian summer monsoon rainfall in CFSv2-T382: Role of initial SST and teleconnections. <i>Climate Dynamics</i> , 2018 , 51, 493-510	4.2	9

18	Reduced Near-Surface Thermal Inversions in 2005-06 in the Southeastern Arabian Sea (Lakshadweep Sea)*. <i>Journal of Physical Oceanography</i> , 2009 , 39, 1184-1199	2.4	8
17	Seasonal variability of upper-layer geostrophic transport in the tropical Indian Ocean during 1992-1996 along TOGA-I XBT tracklines. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2000 , 47, 1569-1582	2.5	8
16	Drifting and Meandering of Olive Ridley Sea Turtles in the Bay of Bengal: Role of Oceanic Rossby Waves. <i>Marine Geodesy</i> , 2009 , 32, 372-378	1.2	6
15	Regime shift of Indian summer monsoon rainfall to a persistent arid state: external forcing versus internal variability. <i>Meteorology and Atmospheric Physics</i> , 2019 , 131, 211-224	2	5
14	Impact of the tropical Pacific SST biases on the simulation and prediction of Indian summer monsoon rainfall in CFSv2, ECMWF-System4, and NMME models. <i>Climate Dynamics</i> , 2021 , 56, 1699-1715	4.2	5
13	Evaluating different lightning parameterization schemes to simulate lightning flash counts over Maharashtra, India. <i>Atmospheric Research</i> , 2021 , 255, 105532	5.4	4
12	Impact of horizontal resolution on sea surface temperature bias and air-sea interactions over the tropical Indian Ocean in CFSv2 coupled model. <i>International Journal of Climatology</i> , 2020 , 40, 4903-4921	3.5	1
11	Assessment of prediction skill in equatorial Pacific Ocean in high resolution model of CFS. <i>Climate Dynamics</i> , 2018 , 51, 3389-3403	4.2	1
10	Analysis of Monsoon Mission Coupled Forecasting System (MMCFS) model simulations of sub-division scale temperatures over India for the hot weather season (April-June). <i>Journal of Earth System Science</i> , 2019 , 128, 1	1.8	1
9	Reducing Systematic Biases Over the Indian Region in CFS V2 by Dynamical Downscaling. <i>Earth and Space Science</i> , 2021 , 8, e2020EA001507	3.1	1
8	Factors responsible for consecutive deficit Indian monsoons during 2014 and 2015. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 1473-1486	3	1
7	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> , 2021 , 144, 917-929	3	0
6	Comparison of MMCFS and SINTEX-F2 for seasonal prediction of Indian summer monsoon rainfall. <i>International Journal of Climatology</i> , 2021 , 41, 6084	3.5	0
5	Gain of one-month lead time in seasonal prediction of Indian summer monsoon prediction: comparison of initialization strategies. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 1083-1096	3	0
4	Evaluation of state-of-the-art GCMs in simulating Indian summer monsoon rainfall. <i>Meteorology and Atmospheric Physics</i> , 2021 , 133, 1429-1445	2	0
3	Impact of high- and low-vorticity turbulence on cloud-environment mixing and cloud microphysics processes. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 12317-12329	6.8	0
2	Why coupled general circulation models overestimate the ENSO and Indian Summer Monsoon Rainfall (ISMR) relationship?. <i>Climate Dynamics</i> , 1	4.2	0
1	Are ocean-moored buoys redundant for prediction of Indian monsoon?. <i>Meteorology and Atmospheric Physics</i> , 2021 , 133, 1075-1088	2	

