

Samir Pokhrel

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,410
citations

411340

20
h-index

388640

36
g-index

51
all docs

51
docs citations

51
times ranked

1688
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of Indian Summer Monsoon Rainfall (ISMR) with fully coupled regional chemistry transport model: A case study for 2017. <i>Atmospheric Environment</i> , 2022, 268, 118785.	1.9	3
2	Seasonal Predictability of Lightning Over the Global Hotspot Regions. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
3	Unraveling the global teleconnections of Indian summer monsoon clouds: expedition from CMIP5 to CMIP6. <i>Global and Planetary Change</i> , 2022, 215, 103873.	1.6	7
4	Interplay Between Subseasonal Rainfall and Global Predictors in Modulating Interannual to Multidecadal Predictability of the ISMR. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	14
5	Evaluating different lightning parameterization schemes to simulate lightning flash counts over Maharashtra, India. <i>Atmospheric Research</i> , 2021, 255, 105532.	1.8	20
6	Role of Microphysics and Convective Autoconversion for the Better Simulation of Tropical Intraseasonal Oscillations (MISO and MJO). <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002540.	1.3	6
7	Role of cloud microphysics in improved simulation of the Asian monsoon quasi-biweekly mode (QBM). <i>Climate Dynamics</i> , 2020, 54, 599-614.	1.7	9
8	Role of convective and microphysical processes on the simulation of monsoon intraseasonal oscillation. <i>Climate Dynamics</i> , 2020, 55, 2377-2403.	1.7	10
9	Reply to Comment by E. T. Swenson, D. Das, and J. Shukla on "Unraveling the Mystery of Indian Summer Monsoon Prediction: Improved Estimate of Predictability Limit". <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033242.	1.2	7
10	Evaluation of Different Heat Flux Products Over the Tropical Indian Ocean. <i>Earth and Space Science</i> , 2020, 7, e2019EA000988.	1.1	23
11	Effects of a multilayer snow scheme on the global teleconnections of the Indian summer monsoon. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 1102-1117.	1.0	3
12	Simulation of extreme Indian summer monsoon years in Coupled Model Intercomparison Project Phase 5 models: Role of cloud processes. <i>International Journal of Climatology</i> , 2019, 39, 901-920.	1.5	5
13	Unraveling the Mystery of Indian Summer Monsoon Prediction: Improved Estimate of Predictability Limit. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1962-1974.	1.2	59
14	New spatial and temporal indices of Indian summer monsoon rainfall. <i>Theoretical and Applied Climatology</i> , 2019, 135, 979-990.	1.3	8
15	Contrast in monsoon precipitation over oceanic region of north Bay of Bengal and east equatorial Indian Ocean. <i>International Journal of Climatology</i> , 2018, 38, e1061.	1.5	5
16	SST and OLR relationship during Indian summer monsoon: a coupled climate modelling perspective. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 211-225.	0.9	9
17	Unraveling of cloud types during phases of monsoon intra-seasonal oscillations by a Ka-band Doppler weather radar. <i>Atmospheric Science Letters</i> , 2018, 19, e847.	0.8	8
18	Hindcast skill improvement in Climate Forecast System (CFSv2) using modified cloud scheme. <i>International Journal of Climatology</i> , 2018, 38, 2994-3012.	1.5	14

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19	Effects of multilayer snow scheme on the simulation of snow: O ffline N oah and coupled with NCEP CFS v2. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 271-290.	1.3	27
20	Effect of cloud microphysics on Indian summer monsoon precipitating clouds: A coupled climate modeling study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3786-3805.	1.2	34
21	Progress Towards Achieving the Challenge of Indian Summer Monsoon Climate Simulation in a Coupled Ocean-Atmosphere Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2268-2290.	1.3	29
22	The Dominant Modes of Recycled Monsoon Rainfall over India. <i>Journal of Hydrometeorology</i> , 2017, 18, 2647-2657.	0.7	8
23	Clouds- SST relationship and interannual variability modes of Indian summer monsoon in the context of clouds and SSTs : observational and modelling aspects. <i>International Journal of Climatology</i> , 2016, 36, 4723-4740.	1.5	13
24	Influence of upper ocean on Indian summer monsoon rainfall: studies by observation and NCEP climate forecast system (CFSv2). <i>Theoretical and Applied Climatology</i> , 2016, 125, 413-426.	1.3	7
25	Seasonal prediction of Indian summer monsoon rainfall in NCEP CFSv2: forecast and predictability error. <i>Climate Dynamics</i> , 2016, 46, 2305-2326.	1.7	42
26	Potential predictability of I ndian summer monsoon rainfall in NCEP CFSv2. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 96-120.	1.3	48
27	Predictability of global monsoon rainfall in NCEP CFSv2. <i>Climate Dynamics</i> , 2016, 47, 1693-1715.	1.7	16
28	Indian summer monsoon precipitating clouds: role of microphysical process rates. <i>Climate Dynamics</i> , 2016, 46, 2551-2571.	1.7	22
29	Indian summer monsoon simulations with CFSv2: a microphysics perspective. <i>Theoretical and Applied Climatology</i> , 2016, 125, 253-269.	1.3	14
30	Improved depiction of Indian summer monsoon in latest high resolution NCEP climate forecast system reanalysis. <i>International Journal of Climatology</i> , 2015, 35, 3102-3119.	1.5	10
31	Influence of preonset land atmospheric conditions on the Indian summer monsoon rainfall variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4551-4563.	1.2	18
32	Air Pollution, Air Quality, and Climate Change. <i>Advances in Meteorology</i> , 2014, 2014, 1-2.	0.6	126
33	Improved simulation of Indian summer monsoon in latest NCEP climate forecast system free run. <i>International Journal of Climatology</i> , 2014, 34, 1628-1641.	1.5	100
34	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.	1.5	53
35	Influence of Eurasian snow on Indian summer monsoon in NCEP CFSv2 freerun. <i>Climate Dynamics</i> , 2013, 41, 1801-1815.	1.7	62
36	Seasonal prediction of Indian summer monsoon in NCEP coupled and uncoupled model. <i>Theoretical and Applied Climatology</i> , 2013, 114, 459-477.	1.3	32

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37	Status of NCEP CFS vis-a-vis IPCC AR4 models for the simulation of Indian summer monsoon. Theoretical and Applied Climatology, 2013, 111, 65-78.	1.3	21
38	Variability of the TRMM-PR total and convective and stratiform rain fractions over the Indian region during the summer monsoon. Climate Dynamics, 2013, 41, 21-44.	1.7	51
39	ENSO, IOD and Indian Summer Monsoon in NCEP climate forecast system. Climate Dynamics, 2012, 39, 2143-2165.	1.7	82
40	Evaporation-precipitation variability over Indian Ocean and its assessment in NCEP Climate Forecast System (CFSv2). Climate Dynamics, 2012, 39, 2585-2608.	1.7	62
41	Why is Indian Ocean warming consistently?. Climatic Change, 2012, 110, 709-719.	1.7	131
42	Modulation of SST, SSS over northern Bay of Bengal on ISO time scale. Journal of Geophysical Research, 2011, 116, .	3.3	35
43	Anomalous low tropospheric column ozone over Eastern India during the severe drought event of monsoon 2002: a case study. Environmental Science and Pollution Research, 2011, 18, 1442-1455.	2.7	20
44	The long-lived monsoon depressions of 2006 and their linkage with the Indian Ocean Dipole. International Journal of Climatology, 2011, 31, 1334-1352.	1.5	37
45	Surface Freshwater Flux Estimation Using TRMM Measurements Over the Tropical Oceans. Atmospheric and Climate Sciences, 2011, 01, 225-234.	0.1	8
46	Unusual Central Indian Drought of Summer Monsoon 2008: Role of Southern Tropical Indian Ocean Warming. Journal of Climate, 2010, 23, 5163-5174.	1.2	72
47	Study of geophysical parameters associated with the Orissa super cyclone using active and passive microwave remote sensing measurements. International Journal of Remote Sensing, 2006, 27, 3753-3765.	1.3	4
48	Distribution and intraseasonal variability of rain over Indian Oceanic region from Indian Remote Sensing Satellite IRS-P4 Multifrequency Scanning Microwave Radiometer. Journal of Geophysical Research, 2003, 108, .	3.3	2
49	Rain rate measurements over global oceans from IRS-P4 MSMR. Journal of Earth System Science, 2002, 111, 257-266.	0.6	7