

Hari Prasad Dasari

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

928
citations

394421

19
h-index

501196

28
g-index

42
all docs

42
docs citations

42
times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Weather Research and Forecasting model downscaled rainfall and its variability over India. International Journal of Climatology, 2022, 42, 1418-1444.	3.5	12
2	Seasonal simulations of summer aerosol optical depth over the Arabian Peninsula using WRF-Chem: Validation, climatology, and variability. International Journal of Climatology, 2022, 42, 2901-2922.	3.5	5
3	Long-term changes in the Arabian Peninsula rainfall and their relationship with the ENSO signals in the tropical Indo-Pacific. Climate Dynamics, 2022, 59, 1715-1731.	3.8	6
4	Sea-level extremes of meteorological origin in the Red Sea. Weather and Climate Extremes, 2022, 35, 100409.	4.1	1
5	Enhanced Simulation of the Indian Summer Monsoon Rainfall Using Regional Climate Modeling and Continuous Data Assimilation. Frontiers in Climate, 2022, 4, .	2.8	5
6	Three-dimensional structure and transport pathways of dust aerosols over West Asia. Npj Climate and Atmospheric Science, 2022, 5, .	6.8	9
7	Variability of monsoon inversion over the Arabian Sea and its impact on rainfall. International Journal of Climatology, 2021, 41, E2979.	3.5	12
8	Extreme water levels along the central Red Sea coast of Saudi Arabia: processes and frequency analysis. Natural Hazards, 2021, 105, 1797-1814.	3.4	6
9	Representation of Arabian Peninsula summer climate in a regional atmospheric model using spectral nudging. Theoretical and Applied Climatology, 2021, 145, 13-30.	2.8	4
10	Analysis of Outdoor Thermal Discomfort Over the Kingdom of Saudi Arabia. GeoHealth, 2021, 5, e2020GH000370.	4.0	12
11	Natural processes dominate the pollution levels during COVID-19 lockdown over India. Scientific Reports, 2021, 11, 15110.	3.3	14
12	Cloud resolving simulation of extremely heavy rainfall event over Kerala in August 2018 – Sensitivity to microphysics and aerosol feedback. Atmospheric Research, 2021, 258, 105613.	4.1	12
13	Study of Active and Break Spell Phenomena of Indian Summer Monsoon Using WRF Downscaled Data. Pure and Applied Geophysics, 2021, 178, 4195-4219.	1.9	6
14	Impact of assimilation of SCATSAT-1 data on coupled ocean-atmospheric simulations of tropical cyclones over Bay of Bengal. Atmospheric Research, 2021, 261, 105733.	4.1	6
15	Variability of monsoon low-level jet and associated rainfall over India. International Journal of Climatology, 2020, 40, 1067-1089.	3.5	42
16	Impact of ocean mixed-layer depth initialization on the simulation of tropical cyclones over the Bay of Bengal using the WRF-CRW model. Meteorological Applications, 2020, 27, e1862.	2.1	18
17	Wave modeling of a reef-sheltered coastal zone in the Red Sea. Ocean Engineering, 2020, 207, 107378.	4.3	10
18	Atmospheric conditions and air quality assessment over NEOM, kingdom of Saudi Arabia. Atmospheric Environment, 2020, 230, 117489.	4.1	25

#	ARTICLE	IF	CITATIONS
19	Major Changes in Extreme Dust Events Dynamics Over the Arabian Peninsula During 2003–2017 Driven by Atmospheric Conditions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032931.	3.3	32
20	Evaluating Cumulus Parameterization Schemes for the Simulation of Arabian Peninsula Winter Rainfall. <i>Journal of Hydrometeorology</i> , 2020, 21, 1089-1114.	1.9	19
21	Mapping groundwater abstractions from irrigated agriculture: big data, inverse modeling, and a satellite–model fusion approach. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5251-5277.	4.9	19
22	Efficient dynamical downscaling of general circulation models using continuous data assimilation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 3175-3194.	2.7	29
23	High-resolution assessment of solar energy resources over the Arabian Peninsula. <i>Applied Energy</i> , 2019, 248, 354-371.	10.1	48
24	Surface air temperature variability over the Arabian Peninsula and its links to circulation patterns. <i>International Journal of Climatology</i> , 2019, 39, 445-464.	3.5	52
25	On the Recent Amplification of Dust Over the Arabian Peninsula During 2002–2012. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13220-13229.	3.3	24
26	A diagnostic study of extreme precipitation over Kerala during August 2018. <i>Atmospheric Science Letters</i> , 2019, 20, e941.	1.9	42
27	The role of the Indian Summer Monsoon variability on Arabian Peninsula summer climate. <i>Climate Dynamics</i> , 2019, 52, 3389-3404.	3.8	37
28	Role of Planetary Boundary Layer Processes in the Simulation of Tropical Cyclones Over the Bay of Bengal. <i>Pure and Applied Geophysics</i> , 2019, 176, 951-977.	1.9	15
29	Assessment of Land Surface Models in a High-Resolution Atmospheric Model during Indian Summer Monsoon. <i>Pure and Applied Geophysics</i> , 2018, 175, 3671-3696.	1.9	20
30	ENSO influence on the interannual variability of the Red Sea convergence zone and associated rainfall. <i>International Journal of Climatology</i> , 2018, 38, 761-775.	3.5	41
31	Prominent mode of summer surface air temperature variability and associated circulation anomalies over the Arabian Peninsula. <i>Atmospheric Science Letters</i> , 2018, 19, e860.	1.9	22
32	Aerosol Optical Depth variability over the Arabian Peninsula as inferred from satellite measurements. <i>Atmospheric Environment</i> , 2018, 187, 346-357.	4.1	28
33	Climatic features of the Red Sea from a regional assimilative model. <i>International Journal of Climatology</i> , 2017, 37, 2563-2581.	3.5	70
34	An Iberian climatology of solar radiation obtained from WRF regional climate simulations for 1950–2010 period. <i>Atmospheric Research</i> , 2017, 198, 151-162.	4.1	11
35	Analysis of a severe weather event over Mecca, Kingdom of Saudi Arabia, using observations and high-resolution modelling. <i>Meteorological Applications</i> , 2017, 24, 612-627.	2.1	7
36	A high-resolution assessment of wind and wave energy potentials in the Red Sea. <i>Applied Energy</i> , 2016, 181, 244-255.	10.1	79

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37	Variability and trends of downward surface global solar radiation over the Iberian Peninsula based on <scp>ERA</scp>â€40 reanalysis. International Journal of Climatology, 2016, 36, 3917-3933.	3.5	14
38	Numerical modelling of heavy rainfall event over Madeira Island in Portugal: sensitivity to different micro physical processes. Meteorological Applications, 2015, 22, 113-127.	2.1	25
39	A Study of Precipitation Climatology and Its Variability over Europe Using an Advanced Regional Model (WRF). American Journal of Climate Change, 2015, 04, 22-39.	0.9	6
40	A Regional Climate Simulation Study Using WRF-ARW Model over Europe and Evaluation for Extreme Temperature Weather Events. International Journal of Atmospheric Sciences, 2014, 2014, 1-22.	0.5	28
41	An integrated WRF/HYSPLIT modeling approach for the assessment of PM2.5 source regions over the Mississippi Gulf Coast region. Air Quality, Atmosphere and Health, 2012, 5, 401-412.	3.3	40
42	Simulation of Atmospheric Dispersion of Elevated Releases from Point Sources in Mississippi Gulf Coast with Different Meteorological Data. International Journal of Environmental Research and Public Health, 2009, 6, 1055-1074.	2.6	15