

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	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
2	Climatic features of the Red Sea from a regional assimilative model. <i>International Journal of Climatology</i> , 2017, 37, 2563-2581.	3.5	70
3	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
4	High-resolution assessment of solar energy resources over the Arabian Peninsula. <i>Applied Energy</i> , 2019, 248, 354-371.	10.1	48
5	A diagnostic study of extreme precipitation over Kerala during August 2018. <i>Atmospheric Science Letters</i> , 2019, 20, e941.	1.9	42
6	Variability of monsoon low-level jet and associated rainfall over India. <i>International Journal of Climatology</i> , 2020, 40, 1067-1089.	3.5	42
7	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
8	An integrated WRF/HYSPLIT modeling approach for the assessment of PM2.5 source regions over the Mississippi Gulf Coast region. <i>Air Quality, Atmosphere and Health</i> , 2012, 5, 401-412.	3.3	40
9	The role of the Indian Summer Monsoon variability on Arabian Peninsula summer climate. <i>Climate Dynamics</i> , 2019, 52, 3389-3404.	3.8	37
10	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
11	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
12	A Regional Climate Simulation Study Using WRF-ARW Model over Europe and Evaluation for Extreme Temperature Weather Events. <i>International Journal of Atmospheric Sciences</i> , 2014, 2014, 1-22.	0.5	28
13	Aerosol Optical Depth variability over the Arabian Peninsula as inferred from satellite measurements. <i>Atmospheric Environment</i> , 2018, 187, 346-357.	4.1	28
14	Numerical modelling of heavy rainfall event over Madeira Island in Portugal: sensitivity to different micro physical processes. <i>Meteorological Applications</i> , 2015, 22, 113-127.	2.1	25
15	Atmospheric conditions and air quality assessment over NEOM, kingdom of Saudi Arabia. <i>Atmospheric Environment</i> , 2020, 230, 117489.	4.1	25
16	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
17	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
18	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

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19	Evaluating Cumulus Parameterization Schemes for the Simulation of Arabian Peninsula Winter Rainfall. <i>Journal of Hydrometeorology</i> , 2020, 21, 1089-1114.	1.9	19
20	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
21	Impact of ocean mixed–layer depth initialization on the simulation of tropical cyclones over the Bay of Bengal using the WRF–ARW model. <i>Meteorological Applications</i> , 2020, 27, e1862.	2.1	18
22	Simulation of Atmospheric Dispersion of Elevated Releases from Point Sources in Mississippi Gulf Coast with Different Meteorological Data. <i>International Journal of Environmental Research and Public Health</i> , 2009, 6, 1055-1074.	2.6	15
23	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
24	Variability and trends of downward surface global solar radiation over the Iberian Peninsula based on ERA-40 reanalysis. <i>International Journal of Climatology</i> , 2016, 36, 3917-3933.	3.5	14
25	Natural processes dominate the pollution levels during COVID-19 lockdown over India. <i>Scientific Reports</i> , 2021, 11, 15110.	3.3	14
26	Variability of monsoon inversion over the Arabian Sea and its impact on rainfall. <i>International Journal of Climatology</i> , 2021, 41, E2979.	3.5	12
27	Analysis of Outdoor Thermal Discomfort Over the Kingdom of Saudi Arabia. <i>GeoHealth</i> , 2021, 5, e2020GH000370.	4.0	12
28	Cloud resolving simulation of extremely heavy rainfall event over Kerala in August 2018 – Sensitivity to microphysics and aerosol feedback. <i>Atmospheric Research</i> , 2021, 258, 105613.	4.1	12
29	Evaluation of Weather Research and Forecasting model downscaled rainfall and its variability over India. <i>International Journal of Climatology</i> , 2022, 42, 1418-1444.	3.5	12
30	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
31	Wave modeling of a reef-sheltered coastal zone in the Red Sea. <i>Ocean Engineering</i> , 2020, 207, 107378.	4.3	10
32	Three-dimensional structure and transport pathways of dust aerosols over West Asia. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	9
33	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
34	Extreme water levels along the central Red Sea coast of Saudi Arabia: processes and frequency analysis. <i>Natural Hazards</i> , 2021, 105, 1797-1814.	3.4	6
35	Study of Active and Break Spell Phenomena of Indian Summer Monsoon Using WRF Downscaled Data. <i>Pure and Applied Geophysics</i> , 2021, 178, 4195-4219.	1.9	6
36	Impact of assimilation of SCATSAT-1 data on coupled ocean-atmospheric simulations of tropical cyclones over Bay of Bengal. <i>Atmospheric Research</i> , 2021, 261, 105733.	4.1	6

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37	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
38	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
39	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
40	Enhanced Simulation of the Indian Summer Monsoon Rainfall Using Regional Climate Modeling and Continuous Data Assimilation. Frontiers in Climate, 2022, 4, .	2.8	5
41	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
42	Sea-level extremes of meteorological origin in the Red Sea. Weather and Climate Extremes, 2022, 35, 100409.	4.1	1