

S K Roy Bhowmik

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

506
citations

687363

13
h-index

677142

22
g-index

31
all docs

31
docs citations

31
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of cyclogenesis parameter for developing and nondeveloping low-pressure systems over the Indian Sea. <i>Natural Hazards</i> , 2009, 50, 389-402.	3.4	67
2	Analysis of large-scale conditions associated with convection over the Indian monsoon region. <i>International Journal of Climatology</i> , 2008, 28, 797-821.	3.5	61
3	A statistical cyclone intensity prediction (SCIP) model for the Bay of Bengal. <i>Journal of Earth System Science</i> , 2008, 117, 157-168.	1.3	42
4	Prediction of Indian summer monsoon in short to medium range time scale with high resolution global forecast system (GFS) T574 and T382. <i>Climate Dynamics</i> , 2014, 42, 1527-1551.	3.8	36
5	Processing of Indian Doppler Weather Radar data for mesoscale applications. <i>Meteorology and Atmospheric Physics</i> , 2011, 111, 133-147.	2.0	35
6	Rainfall analysis for Indian monsoon region using the merged rain gauge observations and satellite estimates: Evaluation of monsoon rainfall features. <i>Journal of Earth System Science</i> , 2007, 116, 187-198.	1.3	27
7	Some characteristics of Limited-Area Model-Precipitation forecast of Indian monsoon and evaluation of associated flow features. <i>Meteorology and Atmospheric Physics</i> , 2001, 76, 223-236.	2.0	24
8	Doppler weather radar based nowcasting of cyclone Ogni. <i>Journal of Earth System Science</i> , 2010, 119, 183-199.	1.3	24
9	An Empirical Model for Predicting the Decay of Tropical Cyclone Wind Speed after Landfall over the Indian Region. <i>Journal of Applied Meteorology and Climatology</i> , 2005, 44, 179-185.	1.7	23
10	Application of multimodel ensemble techniques for real time district level rainfall forecasts in short range time scale over Indian region. <i>Meteorology and Atmospheric Physics</i> , 2010, 106, 19-35.	2.0	23
11	Mesoscale Signatures within the Tropics Generated by Physical Initialization. <i>Monthly Weather Review</i> , 1995, 123, 2771-2790.	1.4	22
12	Development of multimodel ensemble based district level medium range rainfall forecast system for Indian region. <i>Journal of Earth System Science</i> , 2012, 121, 273-285.	1.3	17
13	Assimilation of Indian radar data with ADAS and 3DVAR techniques for simulation of a small-scale tropical cyclone using ARPS model. <i>Natural Hazards</i> , 2011, 58, 15-29.	3.4	14
14	Operational tropical cyclone intensity prediction—“an empirical technique. <i>Natural Hazards</i> , 2007, 41, 447-455.	3.4	11
15	Evaluation of precipitation prediction skill of IMD operational NWP system over Indian monsoon region. <i>Meteorology and Atmospheric Physics</i> , 2007, 95, 205-221.	2.0	11
16	Potential vorticity diagnosis of rapid intensification of very severe cyclone GIRI (2010) over the Bay of Bengal. <i>Natural Hazards</i> , 2012, 60, 461-484.	3.4	10
17	Growth of cyclone Viyaru and Phailin – a comparative study. <i>Journal of Earth System Science</i> , 2014, 123, 1619-1635.	1.3	9
18	Analysis of monthly cloud climatology of the Indian subcontinent as observed by TRMM precipitation radar. <i>International Journal of Climatology</i> , 2015, 35, 2080-2091.	3.5	9

#	ARTICLE	IF	CITATIONS
19	Optimization of Nowcast Software WDSS-II for operational application over the Indian region. <i>Meteorology and Atmospheric Physics</i> , 2014, 124, 143-166.	2.0	8
20	Impact of Assimilation of Conventional and Satellite Radiance GTS Observations on Simulation of Mesoscale Convective System Over Southeast India Using WRF-3DVar. <i>Pure and Applied Geophysics</i> , 2018, 175, 479-500.	1.9	7
21	Prediction of monsoon rainfall with a nested grid mesoscale limited area model. <i>Journal of Earth System Science</i> , 2003, 112, 499-519.	1.3	6
22	Assimilation of Indian Doppler Weather Radar observations for simulation of mesoscale features of a land-falling cyclone. <i>Natural Hazards</i> , 2011, 59, 1339-1355.	3.4	6
23	The rapid growth and decay of severe cyclone JAL (2010) over the Bay of Bengal. <i>Meteorology and Atmospheric Physics</i> , 2013, 121, 161-179.	2.0	6
24	Forecasting of cyclone Viyaru and Phailin by NWP-based cyclone prediction system (CPS) of IMD – an evaluation. <i>Journal of Earth System Science</i> , 2014, 123, 1637-1652.	1.3	3
25	Diurnal variability of convection over northwest Indian subcontinent observed by the Doppler weather radar data. <i>Meteorology and Atmospheric Physics</i> , 2019, 131, 1577-1604.	2.0	3
26	A Dynamical Statistical Model for Prediction of a Tropical Cyclone. <i>Marine Geodesy</i> , 2010, 33, 412-423.	2.0	2
27	Operational Tropical Cyclone Forecasts Models at IMD and Their Performance. , 2016, , 449-464.		0
28	Assimilation of Doppler Weather Radar Data in WRF Model for Numerical Simulation of Structure of Cyclone Aila (2009) of the Bay of Bengal at the Time of Landfall. , 2014, , 309-318.		0