

# S K Roy Bhowmik

## List of Publications by Year in descending order

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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	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
2	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
3	Operational Tropical Cyclone Forecasts Models at IMD and Their Performance. , 2016, , 449-464.		0
4	Analysis of monthly cloud climatology of the Indian subcontinent as observed by <scp>TRMM</scp> precipitation radar. <i>International Journal of Climatology</i> , 2015, 35, 2080-2091.	3.5	9
5	Growth of cyclone Viyaru and Phailin â€“ a comparative study. <i>Journal of Earth System Science</i> , 2014, 123, 1619-1635.	1.3	9
6	Forecasting of cyclone Viyaru and Phailin by NWP-based cyclone prediction system (CPS) of IMD â€“ an evaluation. <i>Journal of Earth System Science</i> , 2014, 123, 1637-1652.	1.3	3
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Processing of Indian Doppler Weather Radar data for mesoscale applications. <i>Meteorology and Atmospheric Physics</i> , 2011, 111, 133-147.	2.0	35
16	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
17	Doppler weather radar based nowcasting of cyclone Ogni. <i>Journal of Earth System Science</i> , 2010, 119, 183-199.	1.3	24
18	A Dynamical Statistical Model for Prediction of a Tropical Cyclone. <i>Marine Geodesy</i> , 2010, 33, 412-423.	2.0	2

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19	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
20	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
21	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
22	Operational tropical cyclone intensity prediction— an empirical technique. <i>Natural Hazards</i> , 2007, 41, 447-455.	3.4	11
23	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
24	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
25	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
26	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
27	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
28	Mesoscale Signatures within the Tropics Generated by Physical Initialization. <i>Monthly Weather Review</i> , 1995, 123, 2771-2790.	1.4	22