

D Bala Subrahmanyam

List of Publications by Year in descending order

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44
papers

511
citations

623734

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all docs

47
docs citations

47
times ranked

416
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of sea/land breeze circulation along the west coast of Indian sub-continent during pre-monsoon season. <i>Atmospheric Research</i> , 2010, 95, 367-378.	4.1	56
2	Variability of Mixed-Layer Heights over the Indian Ocean and Central Arabian Sea during INDOEX, IFP-99. <i>Boundary-Layer Meteorology</i> , 2003, 107, 683-695.	2.3	32
3	Vertical profiles of aerosol black carbon in the atmospheric boundary layer over a tropical coastal station: Perturbations during an annular solar eclipse. <i>Atmospheric Research</i> , 2011, 99, 471-478.	4.1	30
4	Observations of the atmospheric surface layer parameters over a semi arid region during the solar eclipse of August 11th, 1999. <i>Journal of Earth System Science</i> , 2004, 113, 353-363.	1.3	29
5	Seasonal variability in mixed layer height and its impact on trace gas distribution over a tropical urban site: Ahmedabad. <i>Atmospheric Research</i> , 2010, 96, 79-87.	4.1	28
6	Characterization of the Vertical Structure of Coastal Atmospheric Boundary Layer over Thumba (,) during Different Seasons. <i>Advances in Meteorology</i> , 2011, 2011, 1-9.	1.6	26
7	Solar eclipse induced impacts on sea/land breeze circulation over Thumba: A case study. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 703-708.	1.6	23
8	Diurnal variations of the low-level jet over peninsular India during the onset of Asian summer monsoon. <i>Theoretical and Applied Climatology</i> , 2015, 120, 287-298.	2.8	16
9	Wind Speed dependence of Air-Sea Exchange parameters over the Indian Ocean during INDOEX, IFP-99. <i>Annales Geophysicae</i> , 2003, 21, 1667-1679.	1.6	16
10	Atmospheric Surface-Layer Response to the Annular Solar Eclipse of 15 January 2010 over Thiruvananthapuram, India. <i>Boundary-Layer Meteorology</i> , 2011, 141, 325-332.	2.3	15
11	Two years observations on the diurnal evolution of coastal atmospheric boundary layer features over Thiruvananthapuram (8.5° N, 76.9° E), India. <i>Theoretical and Applied Climatology</i> , 2018, 131, 77-90.	2.8	15
12	Air-sea interface fluxes over the Indian Ocean during INDOEX, IFP-99. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 291-305.	1.6	14
13	Characterization of air-sea interaction processes over the Bay of Bengal during the winter phase of ICARB field experiment. <i>Atmospheric Research</i> , 2011, 99, 97-111.	4.1	14
14	Performance evaluation of COSMO numerical weather prediction model in prediction of OCKHI: one of the rarest very severe cyclonic storms over the Arabian Sea—a case study. <i>Natural Hazards</i> , 2019, 96, 431-459.	3.4	14
15	Spatio-temporal Variability of Surface-layer Turbulent Fluxes Over the Bay of Bengal and Arabian sea During the ICARB Field Experiment. <i>Boundary-Layer Meteorology</i> , 2008, 126, 297-309.	2.3	13
16	On the marine atmospheric boundary layer characteristics over Bay of Bengal and Arabian Sea during the Integrated Campaign for Aerosols, gases and Radiation Budget (ICARB). <i>Journal of Earth System Science</i> , 2008, 117, 281-291.	1.3	13
17	Airborne measurements of O ₃ , CO, CH ₄ and NMHCs over the Bay of Bengal during winter. <i>Atmospheric Environment</i> , 2012, 59, 597-609.	4.1	12
18	A sea breeze induced thunderstorm over an inland station over Indian South Peninsula – A case study. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 148, 96-111.	1.6	12

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19	Parameterization of sea surface drag under varying sea state and its dependence on wave age. <i>Natural Hazards</i> , 2009, 49, 187-197.	3.4	11
20	Spatial and temporal variabilities in vertical structure of the Marine Atmospheric Boundary Layer over Bay of Bengal during Winter Phase of Integrated Campaign for Aerosols, gases and Radiation Budget. <i>Atmospheric Research</i> , 2012, 107, 178-185.	4.1	11
21	Impact of Annular Solar Eclipse of 15 January 2010 on the Atmospheric Boundary Layer Characteristics Over Thumba: A Case Study. <i>Pure and Applied Geophysics</i> , 2012, 169, 741-753.	1.9	11
22	Vertical structure of sea-breeze circulation over Thumba (8.5°N, 76.9°E, India) in the winter months and a case study during W-ICARB field experiment. <i>Meteorology and Atmospheric Physics</i> , 2012, 115, 113-121.	2.0	10
23	Parameterization of Wave Attenuation in Muddy Beds and Implication on Coastal Structures. <i>Coastal Engineering Journal</i> , 2008, 50, 309-324.	1.9	8
24	Parameterization of rain induced surface roughness and its validation study using a third generation wave model. <i>Ocean Science Journal</i> , 2009, 44, 125-143.	1.3	8
25	Evaluation of ABL parametrization schemes in the COSMO, a regional non-hydrostatic atmospheric model over an inhomogeneous environment. <i>Modeling Earth Systems and Environment</i> , 2015, 1, 1.	3.4	8
26	Prediction of heavy rainfall days over a peninsular Indian station using the machine learning algorithms. <i>Journal of Earth System Science</i> , 2021, 130, 1.	1.3	8
27	Impact of wind speed and atmospheric stability on air-sea interface fluxes over the East Asian Marginal Seas. <i>Atmospheric Research</i> , 2009, 94, 81-90.	4.1	7
28	Air-sea interaction processes over the east-asian marginal seas surrounding the Korean peninsula. <i>Annales Geophysicae</i> , 2007, 25, 1477-1486.	1.6	6
29	Intercomparison of Air-sea Interface Fluxes over the Yellow Sea and Korea Strait: Impact of Tsushima Warm Current. <i>Boundary-Layer Meteorology</i> , 2008, 127, 333-344.	2.3	6
30	Location-specific weather predictions for Sriharikota (13.72°N, 80.22°E) through numerical atmospheric models during satellite launch campaigns. <i>Natural Hazards</i> , 2012, 61, 893-910.	3.4	5
31	Effect of varied atmospheric stability on sea surface drag in shallow seas and its impact on wind-wave growth. <i>Natural Hazards</i> , 2009, 49, 213-224.	3.4	4
32	Assessment of a surface-layer parameterization scheme in an atmospheric model for varying meteorological conditions. <i>Annales Geophysicae</i> , 2014, 32, 669-675.	1.6	4
33	A case study of sea breeze circulation at Thumba Coast through observations and modelling. , 2006, , .		3
34	Nudging of vertical profiles of meteorological parameters in one-dimensional atmospheric model: A step towards improvements in numerical simulations. <i>Ocean Science Journal</i> , 2008, 43, 165-173.	1.3	3
35	Improvements in Sensible Heat-Flux Parametrization in the High-Resolution Regional Model (HRM) Through the Modified Treatment of the Roughness Length for Heat. <i>Boundary-Layer Meteorology</i> , 2013, 147, 569-578.	2.3	3
36	Impact of a very severe cyclonic storm "Ockhi"™ on the vertical structure of marine atmospheric boundary layer over the Arabian Sea. <i>Bulletin of Atmospheric Science and Technology</i> , 2020, 1, 407-431.	0.9	3

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37	Improvements in simulation of atmospheric boundary layer parameters through data assimilation in ARPS mesoscale atmospheric model. , 2006, 6404, 115.		2
38	A comparative study of air-sea exchange coefficients and turbulent fluxes over Indian sub-continent and Korean peninsula. , 2006, 6404, 263.		2
39	Short period variations of the aerosol mass concentrations over Bay of Bengal: Association with quasi-periodic variations in the Marine Atmospheric Boundary Layer parameters and fluxes. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 77, 78-84.	1.6	2
40	An assessment of a very severe cyclonic storm in the Arabian sea using the COSMO model. SN Applied Sciences, 2020, 2, 1.	2.9	2
41	Prediction of tropical cyclone trajectories over the Northern Indian Ocean using COSMO. Meteorology and Atmospheric Physics, 2021, 133, 789-802.	2.0	2
42	Numerical simulation of sea-breeze circulation over the Arabian Sea during the passage of a cyclonic storm OCKHI using a regional atmospheric model COSMO. Dynamics of Atmospheres and Oceans, 2021, 96, 101265.	1.8	1
43	Atmospheric Boundary-Layer Processes and Atmospheric Modeling. Advances in Meteorology, 2015, 2015, 1-2.	1.6	0
44	Applications of Mesoscale Atmospheric Models in Short-Range Weather Predictions During Satellite Launch Campaigns in India. , 0, , .		0