

Raghavendra Krishnamurthy

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

549
citations

687363

13
h-index

677142

22
g-index

42
all docs

42
docs citations

42
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	The PerdigÃ£o: Peering into Microscale Details of Mountain Winds. Bulletin of the American Meteorological Society, 2019, 100, 799-819.	3.3	93
2	The Second Wind Forecast Improvement Project (WFIP2): Observational Field Campaign. Bulletin of the American Meteorological Society, 2019, 100, 1701-1723.	3.3	55
3	Coherent Doppler lidar for wind farm characterization. Wind Energy, 2013, 16, 189-206.	4.2	53
4	3D Wind and Turbulence Characteristics of the Atmospheric Boundary Layer. Bulletin of the American Meteorological Society, 2014, 95, 743-756.	3.3	30
5	Analysis of Random Forest Modeling Strategies for Multi-Step Wind Speed Forecasting. Energies, 2020, 13, 5488.	3.1	29
6	On the estimation of boundary layer heights: a machine learning approach. Atmospheric Measurement Techniques, 2021, 14, 4403-4424.	3.1	26
7	Wind turbulence estimates in a valley by coherent Doppler lidar. Meteorological Applications, 2011, 18, 361-371.	2.1	25
8	Spatial Variability of Winds and HRRRâ€™NCEP Model Error Statistics at Three Doppler-Lidar Sites in the Wind-Energy Generation Region of the Columbia River Basin. Journal of Applied Meteorology and Climatology, 2019, 58, 1633-1656.	1.5	25
9	Identification and Characterization of Persistent Cold Pool Events from Temperature and Wind Profilers in the Columbia River Basin. Journal of Applied Meteorology and Climatology, 2019, 58, 2533-2551.	1.5	23
10	Spatial and temporal variability of turbulence dissipation rate in complex terrain. Atmospheric Chemistry and Physics, 2019, 19, 4367-4382.	4.9	23
11	Impact of model improvements on 80â€™m wind speeds during the second Wind Forecast Improvement Project (WFIP2). Geoscientific Model Development, 2019, 12, 4803-4821.	3.6	18
12	Decreasing wind speed extrapolation error via domain-specific feature extraction and selection. Wind Energy Science, 2020, 5, 959-975.	3.3	17
13	Utilizing physics-based input features within a machine learning model to predict wind speed forecasting error. Wind Energy Science, 2021, 6, 295-309.	3.3	13
14	Validation of Reanalysis-Based Offshore Wind Resource Characterization Using Lidar Buoy Observations. Marine Technology Society Journal, 2020, 54, 44-61.	0.4	12
15	Offshore Wind Turbine Wake characteristics using Scanning Doppler Lidar. Energy Procedia, 2017, 137, 428-442.	1.8	11
16	Atmospheric Turbulence Measurements at a Coastal Zone with and without Fog. Boundary-Layer Meteorology, 2021, 181, 395-422.	2.3	10
17	Measurement-Based Numerical Study of the Effects of Realistic Land Topography and Stratification on the Coastal Marine Atmospheric Surface Layer. Boundary-Layer Meteorology, 2019, 171, 289-314.	2.3	9
18	Study of Stratus-Lowering Marine-Fog Events Observed During C-FOG. Boundary-Layer Meteorology, 2021, 181, 317-344.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Large-Eddy Simulation-Based Retrieval of Dissipation from Coherent Doppler Lidar Data. <i>Boundary-Layer Meteorology</i> , 2010, 136, 45-57.	2.3	8
20	Wind and EDR Measurements with Scanning Doppler LIDARs for Preparing Future Weather Dependent Separation Concepts (Invited). , 2015, , .		8
21	2D VAR single Doppler lidar vector retrieval and its application in offshore wind energy. <i>Energy Procedia</i> , 2017, 137, 497-504.	1.8	7
22	Time Evolution and Diurnal Variability of the Parametric Sensitivity of Turbineâ€Height Winds in the MYNNâ€EDMF Parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034000.	3.3	6
23	Large-Scale Synoptic Systems and Fog During the C-FOG Field Experiment. <i>Boundary-Layer Meteorology</i> , 2021, 181, 171-202.	2.3	6
24	Analysis of Coastal Fog from a Ship During the C-FOG Campaign. <i>Boundary-Layer Meteorology</i> , 2021, 181, 365.	2.3	6
25	Fog Formation Related to Gravity Currents Interacting with Coastal Topography. <i>Boundary-Layer Meteorology</i> , 2021, 181, 499.	2.3	5
26	Wind Ramp Events Validation in NWP Forecast Models during the Second Wind Forecast Improvement Project (WFIP2) Using the Ramp Tool and Metric (RT&M). <i>Weather and Forecasting</i> , 2020, 35, 2407-2421.	1.4	4
27	Mesoscale model evaluation with coherent Doppler lidar for wind farm assessment. <i>Remote Sensing Letters</i> , 2013, 4, 579-588.	1.4	3
28	Current Applications of Scanning Coherent Doppler Lidar in Wind Energy Industry. <i>EPJ Web of Conferences</i> , 2016, 119, 10003.	0.3	2