Raghavendra Krishnamurthy

List of Publications by Year
in descending order

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28	549	687363 13	677142 22
papers	citations	h-index	g-index

42	42	42	520
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Time Evolution and Diurnal Variability of the Parametric Sensitivity of Turbineâ€Height Winds in the MYNNâ€EDMF Parameterization. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034000.	3.3	6
3	On the estimation of boundary layer heights: a machine learning approach. Atmospheric Measurement Techniques, 2021, 14, 4403-4424.	3.1	26
4	Large-Scale Synoptic Systems and Fog During the C-FOG Field Experiment. Boundary-Layer Meteorology, 2021, 181, 171-202.	2.3	6
5	Fog Formation Related to Gravity Currents Interacting with Coastal Topography. Boundary-Layer Meteorology, 2021, 181, 499.	2.3	5
6	Atmospheric Turbulence Measurements at a Coastal Zone with and without Fog. Boundary-Layer Meteorology, 2021, 181, 395-422.	2.3	10
7	Study of Stratus-Lowering Marine-Fog Events Observed During C-FOG. Boundary-Layer Meteorology, 2021, 181, 317-344.	2.3	9
8	Analysis of Coastal Fog from a Ship During the C-FOG Campaign. Boundary-Layer Meteorology, 2021, 181, 365.	2.3	6
9	Analysis of Random Forest Modeling Strategies for Multi-Step Wind Speed Forecasting. Energies, 2020, 13, 5488.	3.1	29
10	Wind Ramp Events Validation in NWP Forecast Models during the Second Wind Forecast Improvement Project (WFIP2) Using the Ramp Tool and Metric (RT&M). Weather and Forecasting, 2020, 35, 2407-2421.	1.4	4
11	Decreasing wind speed extrapolation error via domain-specific feature extraction and selection. Wind Energy Science, 2020, 5, 959-975.	3.3	17
12	Validation of Reanalysis-Based Offshore Wind Resource Characterization Using Lidar Buoy Observations. Marine Technology Society Journal, 2020, 54, 44-61.	0.4	12
13	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
14	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
15	Spatial and temporal variability of turbulence dissipation rate in complex terrain. Atmospheric Chemistry and Physics, 2019, 19, 4367-4382.	4.9	23
16	The Second Wind Forecast Improvement Project (WFIP2): Observational Field Campaign. Bulletin of the American Meteorological Society, 2019, 100, 1701-1723.	3.3	55
17	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
18	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

#	Article	IF	Citations
19	The PerdigÃ£o: Peering into Microscale Details of Mountain Winds. Bulletin of the American Meteorological Society, 2019, 100, 799-819.	3.3	93
20	Offshore Wind Turbine Wake characteristics using Scanning Doppler Lidar. Energy Procedia, 2017, 137, 428-442.	1.8	11
21	2D VAR single Doppler lidar vector retrieval and its application in offshore wind energy. Energy Procedia, 2017, 137, 497-504.	1.8	7
22	Current Applications of Scanning Coherent Doppler Lidar in Wind Energy Industry. EPJ Web of Conferences, 2016, 119, 10003.	0.3	2
23	Wind and EDR Measurements with Scanning Doppler LIDARs for Preparing Future Weather Dependent Separation Concepts (Invited). , 2015, , .		8
24	3D Wind and Turbulence Characteristics of the Atmospheric Boundary Layer. Bulletin of the American Meteorological Society, 2014, 95, 743-756.	3.3	30
25	Coherent Doppler lidar for wind farm characterization. Wind Energy, 2013, 16, 189-206.	4.2	53
26	Mesoscale model evaluation with coherent Doppler lidar for wind farm assessment. Remote Sensing Letters, 2013, 4, 579-588.	1.4	3
27	Wind turbulence estimates in a valley by coherent Doppler lidar. Meteorological Applications, 2011, 18, 361-371.	2.1	25
28	Large-Eddy Simulation-Based Retrieval of Dissipation from Coherent Doppler Lidar Data. Boundary-Layer Meteorology, 2010, 136, 45-57.	2.3	8