

# William Shaw

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,910  
citations

257101

24  
h-index

344852

36  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the WFIP2 updates to the HRRR model using scanning Doppler lidar measurements in the complex terrain of the Columbia River Basin. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, .	0.8	8
2	On Bridging A Modeling Scale Gap: Mesoscale to Microscale Coupling for Wind Energy. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 2533-2550.	1.7	53
3	Data assimilation impact of in situ and remote sensing meteorological observations on wind power forecasts during the first Wind Forecast Improvement Project (WFIP). <i>Wind Energy</i> , 2019, 22, 932-944.	1.9	13
4	The Second Wind Forecast Improvement Project (WFIP2): Observational Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1701-1723.	1.7	55
5	The Second Wind Forecast Improvement Project (WFIP2): General Overview. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1687-1699.	1.7	45
6	Large-eddy simulation sensitivities to variations of configuration and forcing parameters in canonical boundary-layer flows for wind energy applications. <i>Wind Energy Science</i> , 2018, 3, 589-613.	1.2	22
7	Comparison of Measured and Numerically Simulated Turbulence Statistics in a Convective Boundary Layer Over Complex Terrain. <i>Boundary-Layer Meteorology</i> , 2017, 163, 69-89.	1.2	49
8	Assessing State-of-the-Art Capabilities for Probing the Atmospheric Boundary Layer: The XPIA Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 289-314.	1.7	59
9	Sensitivity of Turbine-Height Wind Speeds to Parameters in Planetary Boundary-Layer and Surface-Layer Schemes in the Weather Research and Forecasting Model. <i>Boundary-Layer Meteorology</i> , 2017, 162, 117-142.	1.2	56
10	Vertical profiles of the 3-D wind velocity retrieved from multiple wind lidars performing triple range-height-indicator scans. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 431-444.	1.2	16
11	Semantic catalog of things, services, and data to support a wind data management facility. <i>Information Systems Frontiers</i> , 2016, 18, 679-691.	4.1	6
12	Turbine-scale wind field measurements using dual-Doppler lidar. <i>Wind Energy</i> , 2015, 18, 219-235.	1.9	34
13	Effect of aerosols and NO <sub>2</sub> concentration on ultraviolet actinic flux near Mexico City during MILAGRO: measurements and model calculations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1011-1022.	1.9	19
14	Dual-Doppler Lidar for Measurement of Wind Turbine Inflow-Outflow and Wake Effects. , 2012, , .		2
15	Transport and mixing patterns over Central California during the carbonaceous aerosol and radiative effects study (CARES). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1759-1783.	1.9	67
16	Overview of the 2010 Carbonaceous Aerosols and Radiative Effects Study (CARES). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7647-7687.	1.9	94
17	Research Needs For Wind Resource Characterization. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 535-538.	1.7	25
18	Basin-scale wind transport during the MILAGRO field campaign and comparison to climatology using cluster analysis. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1209-1224.	1.9	130

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19	The T1-T2 study: evolution of aerosol properties downwind of Mexico City. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 1585-1598.	1.9	124
20	Modification of Summertime Arctic Cloud Characteristics between a Coastal and Inland Site. <i>Journal of Climate</i> , 2006, 19, 3207-3219.	1.2	8
21	Influence of wind speed averaging on estimates of dimethylsulfide emission fluxes. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 1-1-ACH 1-10.	3.3	15
22	Observations of Systematic Boundary Layer Divergence Patterns and Their Relationship to Land Use and Topography. <i>Journal of Climate</i> , 2001, 14, 1753-1764.	1.2	23
23	Cold Pools in the Columbia Basin. <i>Weather and Forecasting</i> , 2001, 16, 432-447.	0.5	148
24	Meteorological Processes Affecting the Evolution of a Wintertime Cold Air Pool in the Columbia Basin. <i>Monthly Weather Review</i> , 2001, 129, 2600-2613.	0.5	78
25	Evaluation of an Inexpensive Temperature Datalogger for Meteorological Applications. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000, 17, 77-81.	0.5	72
26	The evolution of the boundary layer and its effect on air chemistry in the Phoenix area. <i>Journal of Geophysical Research</i> , 2000, 105, 22833-22848.	3.3	53
27	Particulate Air Pollution in Mexico City: A Collaborative Research Project. <i>Journal of the Air and Waste Management Association</i> , 1999, 49, 1221-1229.	0.9	125
28	A technique for determining the spatial and temporal distributions of surface fluxes of heat and moisture over the Southern Great Plains Cloud and Radiation Testbed. <i>Journal of Geophysical Research</i> , 1998, 103, 6109-6121.	3.3	30
29	The IMADA-AVER Boundary Layer Experiment in the Mexico City Area. <i>Bulletin of the American Meteorological Society</i> , 1998, 79, 2497-2508.	1.7	100
30	Observations of Spatial Variations of Boundary Layer Structure over the Southern Great Plains Cloud and Radiation Testbed. <i>Journal of Applied Meteorology and Climatology</i> , 1997, 36, 1221-1231.	1.7	19
31	Influence of Subgrid Variability on Surface Hydrology. <i>Journal of Climate</i> , 1997, 10, 3157-3166.	1.2	39
32	Boundary Layer Characteristics over Areas of Inhomogeneous Surface Fluxes. <i>Journal of Applied Meteorology and Climatology</i> , 1995, 34, 559-571.	1.7	58
33	Comments on ?derivation of water vapor fluxes from lidar measurements? by W. E. Eichinger et al.. <i>Boundary-Layer Meteorology</i> , 1994, 68, 433-437.	1.2	0
34	A Laboratory in the Sky NEW FRONTIERS IN MEASUREMENTS ALOFT. <i>Environmental Science &amp; Technology</i> , 1994, 28, 412A-420A.	4.6	2
35	Intermittency and the Organization of Turbulence in the Near-Neutral Marine Atmospheric Boundary Layer. <i>Journals of the Atmospheric Sciences</i> , 1985, 42, 2563-2584.	0.6	31
36	The response of the marine boundary layer to mesoscale variations in sea-surface temperature. <i>Dynamics of Atmospheres and Oceans</i> , 1984, 8, 267-281.	0.7	52

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37	An international turbulence comparison experiment (ITCE 1976). <i>Boundary-Layer Meteorology</i> , 1982, 24, 181-209.	1.2	52
38	The Effect of and Correction for Different Wet-Bulb and Dry-Bulb Response in Thermocouple Psychrometry. <i>Journal of Applied Meteorology</i> , 1980, 19, 90-97.	1.1	17