

Stefan Emeis

List of Publications by Year in descending order

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167
papers

3,932
citations

101543

36
h-index

149698

56
g-index

205
all docs

205
docs citations

205
times ranked

3591
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Some Major Limitations of Analytical Top-Down Wind-Farm Models. <i>Boundary-Layer Meteorology</i> , 2023, 187, 423-435.	2.3	2
2	A year of H&sub>2&sub>O measurements at Weybourne Atmospheric Observatory, UK. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 64, 17771.	1.6	13
3	The Role of Atmospheric Stability and Turbulence in Offshore Wind-Farm Wakes in the German Bight. <i>Boundary-Layer Meteorology</i> , 2022, 182, 441-469.	2.3	14
4	Urban Atmospheric Boundary-Layer Structure in Complex Topography: An Empirical 3D Case Study for Stuttgart, Germany. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	1
5	The five main influencing factors for lidar errors in complex terrain. <i>Wind Energy Science</i> , 2022, 7, 413-431.	3.3	3
6	Evaluation of a simple analytical model for offshore wind farm wake recovery by in situ data and Weather Research and Forecasting simulations. <i>Wind Energy</i> , 2021, 24, 212-228.	4.2	15
7	Analysis of decadal precipitation changes at the northern edge of the Alps. <i>Meteorologische Zeitschrift</i> , 2021, 30, 285-293.	1.0	3
8	How to bring urban and global climate studies together with urban planning and architecture?. <i>Developments in the Built Environment</i> , 2020, 4, 100023.	4.0	15
9	Offshore wind farm wake recovery: Airborne measurements and its representation in engineering models. <i>Wind Energy</i> , 2020, 23, 1249-1265.	4.2	51
10	Turbulent kinetic energy over large offshore wind farms observed and simulated by the mesoscale model WRF (3.8.1). <i>Geoscientific Model Development</i> , 2020, 13, 249-268.	3.6	42
11	Long-range modifications of the wind field by offshore wind parks“ results of the project WIPAFF. <i>Meteorologische Zeitschrift</i> , 2020, 29, 355-376.	1.0	30
12	In-situ airborne measurements of atmospheric and sea surface parameters related to offshore wind parks in the German Bight. <i>Earth System Science Data</i> , 2020, 12, 935-946.	9.9	16
13	Urban Climate Under Change [UC]“ A National Research Programme for Developing a Building-Resolving Atmospheric Model for Entire City Regions. <i>Meteorologische Zeitschrift</i> , 2019, 28, 95-104.	1.0	26
14	Three-Dimensional Observation of Atmospheric Processes in Cities. <i>Meteorologische Zeitschrift</i> , 2019, 28, 121-138.	1.0	24
15	Assessment of three-dimensional, fine-granular measurement of particulate matter by a smart air quality network in urban area. , 2019, , .		0
16	First in situ evidence of wakes in the far field behind offshore wind farms. <i>Scientific Reports</i> , 2018, 8, 2163.	3.3	124
17	Seasonal variability and source distribution of haze particles from a continuous one-year study in Beijing. <i>Atmospheric Pollution Research</i> , 2018, 9, 627-633.	3.8	14
18	Wind Energy Meteorology. <i>Green Energy and Technology</i> , 2018, , .	0.6	79

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19	Wind Data Sources. Green Energy and Technology, 2018, , 183-230.	0.6	1
20	Micrometeorological impacts of offshore wind farms as seen in observations and simulations. Environmental Research Letters, 2018, 13, 124012.	5.2	44
21	Evaluation of a Wind Farm Parametrization for Mesoscale Atmospheric Flow Models with Aircraft Measurements. Meteorologische Zeitschrift, 2018, 27, 401-415.	1.0	36
22	High-Resolution Observations of Transport and Exchange Processes in Mountainous Terrain. Atmosphere, 2018, 9, 457.	2.3	17
23	Vertical Profiles Over Flat Terrain. Green Energy and Technology, 2018, , 31-89.	0.6	1
24	Physics of Wind Parks. Green Energy and Technology, 2018, , 157-182.	0.6	3
25	Wind Regimes. Green Energy and Technology, 2018, , 11-30.	0.6	0
26	Offshore Winds. Green Energy and Technology, 2018, , 113-155.	0.6	0
27	Smart Air Quality Network for spatial high-resolution monitoring in urban area. , 2018, , .		0
28	Chemical characteristics of PM2.5 during haze episodes in spring 2013 in Beijing. Urban Climate, 2017, 22, 51-63.	5.7	26
29	High resolution climate projections to assess the future vulnerability of European urban areas to climatological extreme events. Theoretical and Applied Climatology, 2017, 127, 667-683.	2.8	23
30	Developing a Research Strategy to Better Understand, Observe, and Simulate Urban Atmospheric Processes at Kilometer to Subkilometer Scales. Bulletin of the American Meteorological Society, 2017, 98, ES261-ES264.	3.3	40
31	Measurements of heat and humidity fluxes in the wake of offshore wind turbines. Journal of Renewable and Sustainable Energy, 2017, 9, 053304.	2.0	11
32	Simultaneous multicopter-based air sampling and sensing of meteorological variables. Atmospheric Measurement Techniques, 2017, 10, 2773-2784.	3.1	69
33	The SCALEX Campaign: Scale-Crossing Land Surface and Boundary Layer Processes in the TERENO-preAlpine Observatory. Bulletin of the American Meteorological Society, 2017, 98, 1217-1234.	3.3	49
34	Upper limit for wind shear in stably stratified conditions expressed in terms of a bulk Richardson number. Meteorologische Zeitschrift, 2017, 26, 421-430.	1.0	10
35	SmartAQnet: remote and in-situ sensing of urban air quality. , 2017, , .		3
36	Standards â€“ An Important Step for the (Public) Use of Lidars. EPJ Web of Conferences, 2016, 119, 23023.	0.3	0

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37	Exploring the wakes of large offshore wind farms. Journal of Physics: Conference Series, 2016, 753, 092014.	0.4	18
38	Impact of meteorological conditions on airborne fine particle composition and secondary pollutant characteristics in urban area during winter-time. Meteorologische Zeitschrift, 2016, 25, 267-279.	1.0	13
39	Methane distributions and transports in the nocturnal boundary layer at a rural station. Proceedings of SPIE, 2016, , .	0.8	0
40	Characteristics and sources of PM in seasonal perspective – A case study from one year continuously sampling in Beijing. Atmospheric Pollution Research, 2016, 7, 235-248.	3.8	29
41	Secondary effects of urban heat island mitigation measures on air quality. Atmospheric Environment, 2016, 125, 199-211.	4.1	140
42	Pilot Actions in European Cities – Stuttgart. , 2016, , 281-303.		2
43	Cool Cities – Clean Cities? Secondary Impacts of Urban Heat Island Mitigation Strategies on Urban Air Quality. Springer Proceedings in Complexity, 2016, , 371-375.	0.3	0
44	ISARS 2014 special issue. Meteorologische Zeitschrift, 2015, 24, 545-546.	1.0	0
45	Half-Order Stable Boundary-Layer Parametrization Without the Eddy Viscosity Approach for Use in Numerical Weather Prediction. Boundary-Layer Meteorology, 2015, 154, 207-228.	2.3	4
46	Observational techniques to assist the coupling of CWE/CFD models and meso-scale meteorological models. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 144, 24-30.	3.9	11
47	Remote sensing winds in complex terrain – a review. Meteorologische Zeitschrift, 2015, 24, 547-555.	1.0	28
48	Wind speed and shear associated with low-level jets over Northern Germany. Meteorologische Zeitschrift, 2014, 23, 295-304.	1.0	33
49	Kerbside DOAS measurements of air pollutants. , 2014, , .		0
50	Current issues in wind energy meteorology. Meteorological Applications, 2014, 21, 803-819.	2.1	58
51	Physics of Wind Parks. Green Energy and Technology, 2013, , 135-153.	0.6	7
52	Vertical Profiles Over Flat Terrain. Green Energy and Technology, 2013, , 23-73.	0.6	1
53	A Vision for a new electronic journal based on a long tradition. Meteorologische Zeitschrift, 2013, 22, 3-4.	1.0	0
54	Long-term study of air urban quality together with mixing layer height. , 2013, , .		1

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55	Investigation of boundary layer dynamics, dust and volcanic ash clouds with laser ceilometer. Proceedings of SPIE, 2013, , .	0.8	2
56	Wind Energy Meteorology. Green Energy and Technology, 2013, , .	0.6	73
57	Urban Climateâ€™Impact and Interaction of Air Quality and Global Change. , 2013, , 345-354.		0
58	Areal-averaged trace gas emission rates from long-range open-path measurements in stable boundary layer conditions. Atmospheric Measurement Techniques, 2012, 5, 1571-1583.	3.1	9
59	AÃmann's development of aspiration psychrometers. Meteorologische Zeitschrift, 2012, 21, 431-435.	1.0	5
60	Mixing layer height and air pollution levels in urban area. Proceedings of SPIE, 2012, , .	0.8	10
61	20th anniversary of the Meteorologische Zeitschrift. Meteorologische Zeitschrift, 2012, 21, 3-7.	1.0	1
62	Results from long-term detection of mixing layer height: ceilometer and comparison with Radio-Acoustic Sounding System. , 2012, , .		0
63	Correlation equation for the marine drag coefficient and wave steepness. Ocean Dynamics, 2012, 62, 1323-1333.	2.2	3
64	A Method for Increasing the Turbulent Kinetic Energy in the Mellorâ€™Yamadaâ€™JanjiÃ Boundary-Layer Parametrization. Boundary-Layer Meteorology, 2012, 145, 329-349.	2.3	14
65	Evaluation of the Interpretation of Ceilometer Data with RASS and Radiosonde Data. Boundary-Layer Meteorology, 2012, 143, 25-35.	2.3	35
66	Enhancing the Simulation of Turbulent Kinetic Energy in the Marine Atmospheric Boundary Layer. Springer Proceedings in Physics, 2012, , 163-166.	0.2	0
67	Surface-Based Remote Sensing of the Atmospheric Boundary Layer. Atmospheric and Oceanographic Sciences Library, 2011, , .	0.1	46
68	Influences of the 2010 EyjafjallajÃkull volcanic plume on air quality in the northern Alpine region. Atmospheric Chemistry and Physics, 2011, 11, 8555-8575.	4.9	46
69	Measurement and simulation of the 16/17 April 2010 EyjafjallajÃkull volcanic ash layer dispersion in the northern Alpine region. Atmospheric Chemistry and Physics, 2011, 11, 2689-2701.	4.9	78
70	Detection of the temporal and spatial structure of a volcanic plume by ground-based remote sensing. Proceedings of SPIE, 2011, , .	0.8	0
71	A measurement based analysis of the spatial distribution, temporal variation and chemical composition of particulate matter in Munich and Augsburg. Meteorologische Zeitschrift, 2011, 20, 47-57.	1.0	13
72	Adding confidence levels and error bars to mixing layer heights detected by ceilometer. Proceedings of SPIE, 2011, , .	0.8	8

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73	Basic Principles of Surface-Based Remote Sensing. Atmospheric and Oceanographic Sciences Library, 2011, , 33-71.	0.1	0
74	Weitreichender Windschatten. Physik in Unserer Zeit, 2011, 42, 228-233.	0.0	0
75	Meteorological Aspects of Wind Park Design. Green, 2011, 1, .	0.4	2
76	On a relation between particle size distribution and mixing layer height. , 2011, , .		3
77	Comparison of continuous detection of mixing layer heights by ceilometer with radiosonde observations. Proceedings of SPIE, 2011, , .	0.8	1
78	Analytical Description and Vertical Structure of the Atmospheric Boundary Layer. Atmospheric and Oceanographic Sciences Library, 2011, , 9-32.	0.1	0
79	A simple analytical wind park model considering atmospheric stability. Wind Energy, 2010, 13, 459-469.	4.2	79
80	Temporal and spatial structure of a volcanic ash cloud: ground-based remote sensing and numerical modeling. , 2010, , .		1
81	Front Matter: Volume 7827. , 2010, , .		0
82	Combined evaluations of meteorological parameters, traffic noise and air pollution in an Alpine valley. Meteorologische Zeitschrift, 2010, 19, 47-61.	1.0	4
83	Revisiting the Definition of the Drag Coefficient in the Marine Atmospheric Boundary Layer. Journal of Physical Oceanography, 2010, 40, 2325-2332.	1.7	79
84	The dependence of offshore turbulence intensity on wind speed. Journal of Wind Engineering and Industrial Aerodynamics, 2010, 98, 466-471.	3.9	91
85	Application of continuous remote sensing of mixing layer height for assessment of airport air quality. , 2010, , .		1
86	Comparison of different remote sensing methods for mixing layer height monitoring. , 2010, , .		1
87	Waterspouts over the North and Baltic Seas: Observations and climatology, prediction and reporting. Meteorologische Zeitschrift, 2010, 19, 115-129.	1.0	23
88	Observation of the structure of the urban boundary layer with different ceilometers and validation by RASS data. Meteorologische Zeitschrift, 2009, 18, 149-154.	1.0	50
89	Chapter 26 Applications in Meteorology. Developments in Soil Science, 2009, 33, 603-622.	0.5	5
90	Wind-driven wave heights in the German Bight. Ocean Dynamics, 2009, 59, 463-475.	2.2	21

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91	Air Pollution Transport in an Alpine Valley: Results From Airborne and Ground-Based Observations. <i>Boundary-Layer Meteorology</i> , 2009, 131, 441-463.	2.3	93
92	A Comparison Between Modelled and Measured Mixing-Layer Height Over Munich. <i>Boundary-Layer Meteorology</i> , 2009, 131, 425-440.	2.3	26
93	Improved near-range performance of a low-cost one lens lidar scanning the boundary layer. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
94	Determination of mixing layer heights by ceilometer and influences upon air quality at Mexico City airport. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
95	Detection of pollution transport events southeast of Mexico City using ground-based visible spectroscopy measurements of nitrogen dioxide. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4827-4840.	4.9	16
96	Evaluation of continuous ceilometer-based mixing layer heights and correlations with PM 2.5 concentrations in Beijing. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
97	ISARS 2008 special issues. <i>Meteorologische Zeitschrift</i> , 2009, 18, 123-124.	1.0	1
98	ISARS 2008 special issues. <i>Meteorologische Zeitschrift</i> , 2009, 18, 235-236.	1.0	0
99	Application of open-path spectroscopic measurement techniques (FTIR) for the up-scaling of greenhouse gas emissions from soils. , 2009, , .		0
100	Derivation of Vertical Wind and Turbulence Profiles, the Mixing-Layer Height, and the Vertical Turbulent Exchange Coefficient from Sodar and Ceilometer Soundings in Urban Measurement Campaigns. , 2009, , 133-141.		0
101	Correlation of aerosol mass near the ground with aerosol optical depth during two seasons in Munich. <i>Atmospheric Environment</i> , 2008, 42, 4036-4046.	4.1	57
102	New results from continuous mixing layer height monitoring in urban atmosphere. , 2008, , .		3
103	Athens airport air quality study by remote sensing with DOAS, FTIR, and ceilometer. , 2008, , .		2
104	Examples for the determination of turbulent (sub-synoptic) fluxes with inverse methods. <i>Meteorologische Zeitschrift</i> , 2008, 17, 3-11.	1.0	14
105	History of the <i>Meteorologische Zeitschrift</i> . <i>Meteorologische Zeitschrift</i> , 2008, 17, 685-693.	1.0	12
106	Surface-based remote sensing of the mixing-layer height a review. <i>Meteorologische Zeitschrift</i> , 2008, 17, 621-630.	1.0	210
107	Special issue on METTOOLSVI. <i>Meteorologische Zeitschrift</i> , 2008, 17, 227-228.	1.0	0
108	Long-term observations of the urban mixing-layer height with ceilometers. <i>IOP Conference Series: Earth and Environmental Science</i> , 2008, 1, 012027.	0.3	13

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109	Comparative study of wintertime NO and NO ₂ measured by DOAS near a motorway in the Inn Valley. Proceedings of SPIE, 2008, , .	0.8	0
110	Atmospheric influences and local variability of air pollution close to a motorway in an Alpine valley during winter. Meteorologische Zeitschrift, 2008, 17, 297-309.	1.0	16
111	Emission rates with the boundary layer budget method supported by acoustic remote sensing. IOP Conference Series: Earth and Environmental Science, 2008, 1, 012055.	0.3	0
112	Air Pollution Assessment in an Alpine Valley. NATO Security Through Science Series C: Environmental Security, 2008, , 723-724.	0.1	0
113	Multiple atmospheric layering and mixing-layer height in the Inn valley observed by remote sensing. Meteorologische Zeitschrift, 2007, 16, 415-424.	1.0	88
114	Boundary-layer anemometry by optical remote sensing for wind energy applications. Meteorologische Zeitschrift, 2007, 16, 337-347.	1.0	85
115	Wind and turbulence in the urban boundary layer analysis from acoustic remote sensing data and fit to analytical relations. Meteorologische Zeitschrift, 2007, 16, 393-406.	1.0	43
116	Long-term monitoring of layering of lower atmosphere in urban environments by ceilometer. , 2007, 6745, 214.		1
117	ISARS 13 Special issues. Meteorologische Zeitschrift, 2007, 16, 323-324.	1.0	1
118	Comparison of Logarithmic Wind Profiles and Power Law Wind Profiles and their Applicability for Offshore Wind Profiles. , 2007, , 61-64.		8
119	Aerosol optical depth, aerosol composition and air pollution during summer and winter conditions in Budapest. Science of the Total Environment, 2007, 383, 141-163.	8.0	27
120	The surface energy balance and the mixing height in urban areasâ€”activities and recommendations of COST-Action 715. Boundary-Layer Meteorology, 2007, 124, 3-24.	2.3	57
121	Assessment of air pollution in the vicinity of major alpine routes. Alliance for Global Sustainability Bookseries, 2007, , 203-214.	0.2	2
122	Report on the Research Project OWID â€œ Offshore Wind Design Parameter. , 2007, , 81-85.		3
123	Mixing layer height over Munich, Germany: Variability and comparisons of different methodologies. Journal of Geophysical Research, 2006, 111, .	3.3	69
124	Development and validation of tools for the implementation of european air quality policy in Germany (Project VALIUM). Atmospheric Chemistry and Physics, 2006, 6, 3077-3083.	4.9	11
125	Airport air quality and emission studies by remote sensing and inverse dispersion modelling. , 2006, 6362, 352.		1
126	Highway emission study by DOAS within the Inn valley near Innsbruck. , 2006, , .		0

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127	Remote Sensing Methods to Investigate Boundary-layer Structures relevant to Air Pollution in Cities. Boundary-Layer Meteorology, 2006, 121, 377-385.	2.3	99
128	Influence of mixing layer height upon air pollution in urban and sub-urban areas. Meteorologische Zeitschrift, 2006, 15, 647-658.	1.0	100
129	Continuous monitoring of multiple layering by ceilometer in the Inn valley. , 2006, , .		1
130	Air quality and engine emission at Paris CDG airport during AIRPUR field campaigns. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	3
131	PM10, PM2.5, and PM1 spatial distribution in the region of Munich determined by satellite images on the basis of the ICAROS NET platform. , 2005, , .		0
132	Field measurements within a quarter of a city including a street canyon to produce a validation data set. International Journal of Environment and Pollution, 2005, 25, 201.	0.2	10
133	Evaluation of mixing layer height monitoring by ceilometer with SODAR and microlight aircraft measurements. , 2005, , .		3
134	Frequency distributions of the mixing height over an urban area from SODAR data. Meteorologische Zeitschrift, 2004, 13, 361-367.	1.0	44
135	Vertical wind profiles over an urban area. Meteorologische Zeitschrift, 2004, 13, 353-359.	1.0	23
136	Determination of mixing layer heights from ceilometer data. , 2004, 5571, 248.		24
137	Fusion of air pollution data in the region of Munich, Germany, by the ICAROS NET platform. , 2004, , .		3
138	Aerosol concentration measurements with a lidar ceilometer: results of a one year measuring campaign. , 2004, 5235, 486.		17
139	Atmospheric boundary-layer structure from simultaneous SODAR, RASS, and ceilometer measurements. Atmospheric Environment, 2004, 38, 273-286.	4.1	152
140	Parameterization of turbulent viscosity over orography. Meteorologische Zeitschrift, 2004, 13, 33-38.	1.0	5
141	The discovery of latent heat 250 years ago. Meteorologische Zeitschrift, 2004, 13, 329-333.	1.0	4
142	Apportionment of emission source strengths using optical remote sensing and dispersion modeling. , 2004, , .		0
143	Observation of aerosol in the mixing layer by a ground-based lidar ceilometer. , 2003, , .		5
144	VOC emission source strengths of tankers during refuelling activities determined by spectroscopic remote sensing and inverse dispersion modeling. , 2002, 4539, 247.		0

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145	Development of Emission Models and Improvement of Emission Data for Germany. Journal of Atmospheric Chemistry, 2002, 42, 179-206.	3.2	14
146	Title is missing!. Water, Air and Soil Pollution, 2002, 2, 91-102.	0.8	7
147	Three-Dimensional Ground-Based Measurements of Urban Air Quality to Evaluate Satellite Derived Interpretations for Urban Air Pollution. , 2002, , 91-102.		1
148	The BAYSOFI Campaign. Meteorologische Zeitschrift, 2001, 10, 163-164.	1.0	0
149	Vertical variation of frequency distributions of wind speed in and above the surface layer observed by sodar. Meteorologische Zeitschrift, 2001, 10, 141-149.	1.0	31
150	Assessing the meteorological conditions of a deep Italian Alpine valley system by means of a measuring campaign and simulations with two models during a summer smog episode. Atmospheric Environment, 2001, 35, 5441-5454.	4.1	20
151	Process-based modelling of isoprene emission by oak leaves. Plant, Cell and Environment, 2000, 23, 585-595.	5.7	104
152	Nocturnal secondary ozone concentration maxima analysed by sodar observations and surface measurements. Atmospheric Environment, 2000, 34, 4315-4329.	4.1	74
153	The VOTALP Mesolcina Valley Campaign 1996 – concept, background and some highlights. Atmospheric Environment, 2000, 34, 1395-1412.	4.1	50
154	Application of a multiscale, coupled MM5/chemistry model to the complex terrain of the VOTALP valley campaign. Atmospheric Environment, 2000, 34, 1435-1453.	4.1	188
155	Who created R�aumur’s thermometer scale?. Meteorologische Zeitschrift, 2000, 9, 185-187.	1.0	3
156	SODAR Messungen zur Atmosph�renforschung und Umwelt�berwachung. Meteorologische Zeitschrift, 1998, 7, 11-14.	1.0	11
157	<title>Measuring the emissions of trace compounds from a livestock building</title>. , 1997, 3106, 137.		2
158	<title>Numerical dispersion models for emission monitoring by spectroscopic remote sensing methods</title>. , 1997, 3106, 120.		1
159	Sensitivit�t der Ozonbildung auf Emissionen von VOCs und NOx – Eine Fallstudie mit dem Boxmodell BAYROZON. Meteorologische Zeitschrift, 1997, 6, 60-72.	1.0	9
160	Modification of air flow over an escarpment ? Results from the Hjardem� experiment. Boundary-Layer Meteorology, 1995, 74, 131-161.	2.3	39
161	Flow over an embankment: Speed-up and pressure perturbation. Boundary-Layer Meteorology, 1993, 63, 163-182.	2.3	16
162	Reduction of horizontal wind speed in a boundary layer with obstacles. Boundary-Layer Meteorology, 1993, 64, 297-305.	2.3	49

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163	Resistance law, effective roughness length, and deviation angle over hilly terrain. <i>Boundary-Layer Meteorology</i> , 1991, 55, 191-198.	2.3	6
164	Surface pressure distribution and pressure drag on mountains. <i>Meteorology and Atmospheric Physics</i> , 1990, 43, 173-185.	2.0	8
165	Pressure Drag of Obstacles in the Atmospheric Boundary Layer. <i>Journal of Applied Meteorology and Climatology</i> , 1990, 29, 461-476.	1.7	14
166	Pressure drag and effective roughness length with neutral stratification. <i>Boundary-Layer Meteorology</i> , 1987, 39, 379-401.	2.3	20
167	A diagnostic model for synoptic heat budgets. <i>Archives for Meteorology, Geophysics and Bioclimatology, Series A</i> , 1985, 33, 407-420.	0.4	3