

# Krzysztof Fortuniak

## List of Publications by Year in descending order

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39  
papers

2,826  
citations

361045

20  
h-index

344852

36  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3185  
citing authors

#	ARTICLE	IF	CITATIONS
1	Urban Water Storage Capacity Inferred From Observed Evapotranspiration Recession. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
2	A new approach to simulate peat accumulation, degradation and stability in a global land surface scheme (JULES vn5.8_accumulate_soil) for northern and temperate peatlands. <i>Geoscientific Model Development</i> , 2022, 15, 1633-1657.	1.3	6
3	Assessing methane emissions for northern peatlands in ORCHIDEE-PEAT revision 7020. <i>Geoscientific Model Development</i> , 2022, 15, 2813-2838.	1.3	8
4	Temperate mire fluctuations from carbon sink to carbon source following changes in water table. <i>Science of the Total Environment</i> , 2021, 756, 144071.	3.9	16
5	LSTM Processing of Experimental Time Series with Varied Quality. <i>Lecture Notes in Computer Science</i> , 2021, , 581-593.	1.0	1
6	Characterizing the State of the Urban Surface Layer Using Radon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 770-788.	1.2	26
7	Lodz research on urban climate. <i>Acta Geographica Lodziensia</i> , 2019, 108, .	0.8	1
8	Climatological Aspects of Convective Parameters over Europe: A Comparison of ERA-Interim and Sounding Data. <i>Journal of Climate</i> , 2018, 31, 4281-4308.	1.2	78
9	Long-term Turbulent Sensible-Heat-Flux Measurements with a Large-Aperture Scintillometer in the Centre of Å³dÅ³, Central Poland. <i>Boundary-Layer Meteorology</i> , 2018, 167, 469-492.	1.2	7
10	ORCHIDEE-PEAT (revision 4596), a model for northern peatland CO&lt;sub&gt;2&lt;/sub&gt;, water, and energy fluxes on daily to annual scales. <i>Geoscientific Model Development</i> , 2018, 11, 497-519.	1.3	43
11	Sea water surface energy balance in the Arctic fjord (Hornsund, SW Spitsbergen) in May&quot;November 2014. <i>Theoretical and Applied Climatology</i> , 2017, 128, 959-970.	1.3	3
12	Developing a Research Strategy to Better Understand, Observe, and Simulate Urban Atmospheric Processes at Kilometer to Subkilometer Scales. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, ES261-ES264.	1.7	40
13	Influence of Mean Rooftop-Level Estimation Method on Sensible Heat Flux Retrieved from a Large-Aperture Scintillometer Over a City Centre. <i>Boundary-Layer Meteorology</i> , 2017, 164, 281-301.	1.2	5
14	Methane and carbon dioxide fluxes of a temperate mire in Central Europe. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 306-318.	1.9	47
15	The efficient urban canopy dependency parametrization (SURY) v1.0 for atmospheric modelling: description and application with the COSMO-CLM model for a Belgian summer. <i>Geoscientific Model Development</i> , 2016, 9, 3027-3054.	1.3	96
16	Urban &quot;Wetland contrast in turbulent exchange of methane. <i>Atmospheric Environment</i> , 2016, 145, 176-191.	1.9	6
17	Wetland Evapotranspiration: Eddy Covariance Measurement in the Biebrza Valley, Poland. <i>Wetlands</i> , 2016, 36, 1055-1067.	0.7	17
18	Eddy covariance measurements of the net turbulent methane flux in the city centre &quot; results of 2-year campaign in Å³dÅ³, Poland. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8281-8294.	1.9	14

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19	Selected Spectral Characteristics of Turbulence over an Urbanized Area in the Centre of Å³dÅ°, Poland. Boundary-Layer Meteorology, 2015, 154, 137-156.	1.2	9
20	Integral Turbulence Statistics Over a Central European City Centre. Boundary-Layer Meteorology, 2013, 146, 257-276.	1.2	45
21	Turbulent sensible heat flux in Å³dÅ°, Central Poland, obtained from scintillometer and eddy covariance measurements. Meteorologische Zeitschrift, 2013, 22, 603-613.	0.5	18
22	9th ECAC Å– Special issue. Meteorologische Zeitschrift, 2013, 22, 531-532.	0.5	0
23	Coreless winters in the European sector of the Arctic and their synoptic conditions. Polish Polar Research, 2012, 33, 19-34.	0.9	4
24	Turbulent Sensible Heat Flux in Å³dÅ° Obtained from Scintillometer Measurements â€“ Comparison of Free and Mix Algorithms. Contemporary Trends in Geoscience, 2012, 1, 109-117.	0.5	4
25	Initial results from Phase 2 of the international urban energy balance model comparison. International Journal of Climatology, 2011, 31, 244-272.	1.5	284
26	Carbon dioxide flux in the centre of Å³dÅ°, Polandâ€”analysis of a 2â€year eddy covariance measurement data set. International Journal of Climatology, 2011, 31, 232-243.	1.5	65
27	The occurrence of coreless winters in central Spitsbergen and their synoptic conditions. Polar Research, 2011, 30, 12218.	1.6	8
28	The International Urban Energy Balance Models Comparison Project: First Results from Phase 1. Journal of Applied Meteorology and Climatology, 2010, 49, 1268-1292.	0.6	397
29	Climate and More Sustainable Cities: Climate Information for Improved Planning and Management of Cities (Producers/Capabilities Perspective). Procedia Environmental Sciences, 2010, 1, 247-274.	1.3	211
30	Multiâ€indices analysis of southern Scandinavian storminess 1780â€2005 and links to interdecadal variations in the NW Europeâ€North Sea region. International Journal of Climatology, 2009, 29, 373-384.	1.5	55
31	Urban Surface Energy Balance Models: Model Characteristics and Methodology for a Comparison Study. , 2009, , 97-123.		17
32	Numerical estimation of the effective albedo of an urban canyon. Theoretical and Applied Climatology, 2008, 91, 245-258.	1.3	46
33	Intraurban Differences of Surface Energy Fluxes in a Central European City. Journal of Applied Meteorology and Climatology, 2006, 45, 125-136.	0.6	94
34	Urbanâ€rural contrasts of meteorological parameters in Å³dÅ°. Theoretical and Applied Climatology, 2006, 84, 91-101.	1.3	124
35	Temporal variations in heat fluxes over a central European city centre. Theoretical and Applied Climatology, 2006, 84, 103-115.	1.3	87
36	Heat storage and anthropogenic heat flux in relation to the energy balance of a central European city centre. International Journal of Climatology, 2005, 25, 1405-1419.	1.5	184

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37	Changes in the Probability of Heavy Precipitation: Important Indicators of Climatic Change. Climatic Change, 1999, 42, 243-283.	1.7	495
38	Temporal and spatial characteristics of the urban heat island of Århus, Poland. Atmospheric Environment, 1999, 33, 3885-3895.	1.9	225
39	Interdecadal variations of surface wind direction in Lund, southern Sweden, 1741-1990. International Journal of Climatology, 1995, 15, 447-461.	1.5	24