Christoph Beck

List of Publications by Year
in descending order

50 papers	10,868 citations	279701 23 h-index	243529 44 g-index
51 all docs	51 docs citations	51 times ranked	15555 citing authors

#	Article	IF	Citations
1	The phenomenon of thunderstorm asthma in Bavaria, Southern Germany: a statistical approach. International Journal of Environmental Health Research, 2022, 32, 2678-2694.	1.3	1
2	Arctic glaciers record wavier circumpolar winds. Nature Climate Change, 2022, 12, 249-255.	8.1	7
3	Mapping the time-varying spatial heterogeneity of temperature processes over the urban landscape of Augsburg, Germany. Urban Climate, 2022, 43, 101160.	2.4	4
4	Cloud cover changes driven by atmospheric circulation in Europe during the last decades. International Journal of Climatology, 2021, 41, E2211.	1.5	18
5	Threshold temperatures for subjective heat stress in urban apartmentsâ€"Analysing nocturnal bedroom temperatures during a heat wave in Germany. Climate Risk Management, 2021, 32, 100286.	1.5	13
6	Influence of Local Sources and Meteorological Parameters on the Spatial and Temporal Distribution of Ultrafine Particles in Augsburg, Germany. Frontiers in Environmental Science, 2021, 8, .	1.5	12
7	Assessing local daily temperatures by means of novel analog approaches: a case study based on the city of Augsburg, Germany. Theoretical and Applied Climatology, 2021, 145, 31-46.	1.3	3
8	Heat adaptation measures in private households: an application and adaptation of the protective action decision model. Humanities and Social Sciences Communications, 2021, 8, .	1.3	8
9	Thunderstorm Asthma: In Search For Relationships With Airborne Pollen And Fungal Spores From 23 Sites In Bavaria, Germany. A Rare Incident Or A Common Threat?. Journal of Allergy and Clinical Immunology, 2020, 145, AB336.	1.5	9
10	Towards quantifying forest recreation: Exploring outdoor thermal physiology and human well-being along exemplary pathways in a central European urban forest (Augsburg, SE-Germany). Urban Forestry and Urban Greening, 2020, 49, 126622.	2.3	27
11	Spatiotemporal Variability of the Southern Annular Mode and its Influence on Antarctic Surface Temperatures. Journal of Geophysical Research D: Atmospheres, 2020, 125, .	1.2	17
12	New Insights into Weather and Stroke: Influences of Specific Air Masses and Temperature Changes on Stroke Incidence. Cerebrovascular Diseases, 2019, 47, 275-284.	0.8	6
13	Statistical modelling of spatial patterns of the urban heat island intensity in the urban environment of Augsburg, Germany. Urban Climate, 2019, 29, 100491.	2.4	34
14	Mobile Sensing for Wellbeing Estimation of Urban Green using Physiological Signals. , 2019, , .		2
15	The Human Influence Experiment (Part 2): Guidelines for Improved Mapping of Local Climate Zones Using a Supervised Classification. Urban Science, 2019, 3, 27.	1.1	10
16	Generating WUDAPT Level 0 data â€“ Current status of production and evaluation. Urban Climate, 2019, 27, 24-45.	2.4	148
17	Towards the determination of driving factors of varying LST-LCZ relationships: A case study over 25 cities. Geographica Pannonica, 2019, 23, 289-307.	0.5	10
18	Evaluation of Tree Growth Relevant Atmospheric Circulation Patterns for Geopotential Height Field Reconstructions for Asia. Journal of Climate, 2018, 31, 4391-4401.	1.2	5

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19	The potential of local climate zones maps as a heat stress assessment tool, supported by simulated air temperature data. Landscape and Urban Planning, 2018, 178, 183-197.	3.4	85
20	Air temperature characteristics of local climate zones in the Augsburg urban area (Bavaria, southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.4	66
21	P II â€“ 1â€“8â€...Development of land-use regression models for air temperature and relative humidity in augsburg, germany. , 2018, , .		0
22	Synoptic-scale circulation patterns during summer derived from tree rings in mid-latitude Asia. Climate Dynamics, 2017, 49, 1917-1931.	1.7	7
23	Trends in frequency and persistence of atmospheric circulation types over Europe derived from a multitude of classifications. International Journal of Climatology, 2017, 37, 2502-2521.	1.5	32
24	Quality of Crowdsourced Data on Urban Morphologyâ€"The Human Influence Experiment (HUMINEX). Urban Science, 2017, 1, 15.	1.1	67
25	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.	1.7	49
26	Development and comparison of circulation type classifications using the <scp>COST</scp> 733 dataset and software. International Journal of Climatology, 2016, 36, 2673-2691.	1.5	151
27	Synopticâ€climatological evaluation of the classifications of atmospheric circulation patterns over Europe. International Journal of Climatology, 2016, 36, 2710-2726.	1.5	35
28	The effect of domain size on the relationship between circulation type classifications and surface climate. International Journal of Climatology, 2016, 36, 2692-2709.	1.5	35
29	Sensitivity of proxies on non-linear interactions in the climate system. Scientific Reports, 2016, 5, 18560.	1.6	7
30	Automated Synoptic Classifications. , 2015, , .		0
31	Identification and monitoring of Saharan dust: An inventory representative for south Germany since 1997. Atmospheric Environment, 2015, 109, 87-96.	1.9	29
32	A review of non-stationarities in climate variability of the last century with focus on the North Atlanticâ€"European sector. Earth-Science Reviews, 2015, 147, 1-17.	4.0	24
33	Interannual drought index variations in Central Europe related to the large-scale atmospheric circulationâ€"application and evaluation of statistical downscaling approaches based on circulation type classifications. Theoretical and Applied Climatology, 2015, 121, 713-732.	1.3	13
34	Downscaling of monthly PM 10 indices at different sites in Bavaria (Germany) based on circulation type classifications. Atmospheric Pollution Research, 2014, 5, 741-752.	1.8	9
35	Are there weekly cycles in occurrence frequencies of largeâ€scale circulation types?. Atmospheric Science Letters, 2012, 13, 238-243.	0.8	3
36	Circulation types related to lightning activity over Catalonia and the Principality of Andorra. Physics and Chemistry of the Earth, 2010, 35, 469-476.	1.2	16

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37	Cost733cat â€“ A database of weather and circulation type classifications. Physics and Chemistry of the Earth, 2010, 35, 360-373.	1.2	290
38	Evaluation and comparison of circulation type classifications for the European domain. Physics and Chemistry of the Earth, 2010, 35, 374-387.	1.2	93
39	Classifications of Atmospheric Circulation Patterns. Annals of the New York Academy of Sciences, 2008, 1146, 105-152.	1.8	492
40	Winter â€œweekend effectâ€•in southern Europe and its connections with periodicities in atmospheric dynamics. Geophysical Research Letters, 2008, 35, .	1.5	35
41	Frequency and within-type variations of large-scale circulation types and their effects on low-frequency climate variability in central europe since 1780. International Journal of Climatology, 2007, 27, 473-491.	1.5	115
42	World Map of the KÃ¶ppen-Geiger climate classification updated. Meteorologische Zeitschrift, 2006, 15, 259-263.	0.5	8,026
43	Atmospheric circulation variability in the North-Atlantic-European area since the mid-seventeenth century. Climate Dynamics, 2003, 20, 341-352.	1.7	127
44	Reconstruction of sea level pressure fields over the Eastern North Atlantic and Europe back to 1500. Climate Dynamics, 2002, 18, 545-561.	1.7	378
45	Title is missing!. Climatic Change, 2001, 49, 441-462.	1.7	186
46	Zonal Indices for Europe 1780â€“1995 and Running Correlations with Temperature. Climatic Change, 2001, 48, 219-241.	1.7	103
47	Circulation Changes in Europe since the 1780s. , 2001, , 79-99.		11
48	Variability of North-Atlantic-European Circulation Patterns Since 1780 and Corresponding Variations in Central European Climate. , 2001, , 321-331.		9
49	Zonal Indices for Europe 1780â€“1995 and Running Correlations with Temperature. , 2001, , 219-241.		16
50	Atmospheric circulation types and extreme areal precipitation in southern central Europe. Advances in Science and Research, 0, 14, 71-75.	1.0	12