

Helmut Mayer, retd

List of Publications by Year in descending order

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22
papers

4,968
citations

393982

19
h-index

676716

22
g-index

22
all docs

22
docs citations

22
times ranked

3236
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar elevation impact on the heat stress mitigation of pedestrians on tree-lined sidewalks of E-W street canyons – Analysis under Central European heat wave conditions. <i>Urban Forestry and Urban Greening</i> , 2021, 58, 126905.	2.3	17
2	Impact of the spacing between tree crowns on the mitigation of daytime heat stress for pedestrians inside E-W urban street canyons under Central European conditions. <i>Urban Forestry and Urban Greening</i> , 2020, 48, 126558.	2.3	52
3	To what extent does the air flow initialisation of the ENVI-met model affect human heat stress simulated in a common street canyon?. <i>International Journal of Biometeorology</i> , 2019, 63, 73-81.	1.3	9
4	Maximum extent of human heat stress reduction on building areas due to urban greening. <i>Urban Forestry and Urban Greening</i> , 2018, 32, 154-167.	2.3	46
5	Thermal comfort of pedestrians in an urban street canyon is affected by increasing albedo of building walls. <i>International Journal of Biometeorology</i> , 2018, 62, 1199-1209.	1.3	44
6	Validation of the mean radiant temperature simulated by the RayMan software in urban environments. <i>International Journal of Biometeorology</i> , 2016, 60, 1775-1785.	1.3	83
7	Intra-urban differences of mean radiant temperature in different urban settings in Shanghai and implications for heat stress under heat waves: A GIS-based approach. <i>Energy and Buildings</i> , 2016, 130, 829-842.	3.1	68
8	Contribution of trees and grasslands to the mitigation of human heat stress in a residential district of Freiburg, Southwest Germany. <i>Landscape and Urban Planning</i> , 2016, 148, 37-50.	3.4	352
9	Importance of 3-D radiant flux densities for outdoor human thermal comfort on clear-sky summer days in Freiburg, Southwest Germany. <i>Meteorologische Zeitschrift</i> , 2014, 23, 315-330.	0.5	71
10	Long-term analysis of heat waves in Ukraine. <i>International Journal of Climatology</i> , 2014, 34, 1642-1650.	1.5	73
11	Modification of Human-Biometeorologically Significant Radiant Flux Densities by Shading as Local Method to Mitigate Heat Stress in Summer within Urban Street Canyons. <i>Advances in Meteorology</i> , 2013, 2013, 1-13.	0.6	97
12	Impacts of street design parameters on human-biometeorological variables. <i>Meteorologische Zeitschrift</i> , 2011, 20, 541-552.	0.5	92
13	Water fluxes within beech stands in complex terrain. <i>International Journal of Biometeorology</i> , 2010, 54, 23-36.	1.3	42
14	Modelling radiation fluxes in simple and complex environments: basics of the RayMan model. <i>International Journal of Biometeorology</i> , 2010, 54, 131-139.	1.3	919
15	Evolution of the air pollution in SW Germany evaluated by the long-term air quality index LAQx. <i>Atmospheric Environment</i> , 2008, 42, 5071-5078.	1.9	26
16	Human thermal comfort in summer within an urban street canyon in Central Europe. <i>Meteorologische Zeitschrift</i> , 2008, 17, 241-250.	0.5	174
17	Effects of asymmetry, galleries, overhanging façades and vegetation on thermal comfort in urban street canyons. <i>Solar Energy</i> , 2007, 81, 742-754.	2.9	415
18	Modelling radiation fluxes in simple and complex environments – application of the RayMan model. <i>International Journal of Biometeorology</i> , 2007, 51, 323-334.	1.3	962

#	ARTICLE	IF	CITATIONS
19	Heat and drought 2003 in Europe: a climate synthesis. <i>Annals of Forest Science</i> , 2006, 63, 569-577.	0.8	253
20	Numerical study on the effects of aspect ratio and orientation of an urban street canyon on outdoor thermal comfort in hot and dry climate. <i>Building and Environment</i> , 2006, 41, 94-108.	3.0	710
21	Simulation of drought for a Scots pine forest (<i>Pinus sylvestris</i> L.) in the southern upper Rhine plain. <i>Meteorologische Zeitschrift</i> , 2005, 14, 143-150.	0.5	18
22	Air pollution in cities. <i>Atmospheric Environment</i> , 1999, 33, 4029-4037.	1.9	445