Andreas Matzarakis

List of Publications by Year in Descending Order

253 papers	9,590 citations	49 h-index	90 g-index
274 ext. papers	11,186 ext. citations	3.6 avg, IF	6.94 L-index

#	Paper	IF	Citations
253	Biometeorological Conditions during the August 2015 Mega-Heat Wave and the Summer 2010 Mega-Heat Wave in Ukraine. *Atmosphere*, **2022**, 13, 99	2.7	2
252	Human Bioclimate Analysis for the Paris Olympic Games. *Atmosphere*, **2022**, 13, 269	2.7	0
251	The predicted effectiveness of thermal condition mitigation strategies for a climate-resilient archaeological park. *Sustainable Cities and Society*, **2022**, 76, 103457	10.1	2
250	Long-term analysis of thermal comfort conditions during heat waves in Ukraine. *Geographia Polonica*, **2022**, 95, 53-70	1.5	1
249	A systematic review advocating a framework and benchmarks for assessing outdoor human thermal perception.. *Science of the Total Environment*, **2022**, 155128	10.2	0
248	Urban performance based on biometeorology index in high-density, hot, and humid cities. *Sustainable Cities and Society*, **2022**, 80, 103767	10.1	1
247	The application of the physiologically equivalent temperature to determine impacts of locally defined extreme heat events within vulnerable dwellings during the 2020 summer in Ankara. *Sustainable Cities and Society*, **2022**, 81, 103833	10.1	0
246	Extreme Weather Conditions and Cardiovascular Hospitalizations in Southern Brazil. *Sustainability*, **2021**, 13, 12194	3.6	2
245	Modelling in Human Biometeorology: Spatial-Temporal Analysis of Thermal Indices. *Environmental Sciences Proceedings*, **2021**, 8, 28	1	0
244	A Study Regarding the Thermal Environment and Thermal Comfort during the 2021 National Intercollegiate Athletic Games and Related Activities in Taiwan. *Environmental Sciences Proceedings*, **2021**, 8, 32	1	
243	Assessing the influence of street configurations on human thermal conditions in open balconies in the Mediterranean climate. *Urban Climate*, **2021**, 40, 100975	6.8	0
242	Climate characteristics and the adaptation level to formulate mitigation strategies for a climate-resilient archaeological park. *Urban Climate*, **2021**, 36, 100811	6.8	0
241	Comments about Urban Bioclimate Aspects for Consideration in Urban Climate and Planning Issues in the Era of Climate Change. *Atmosphere*, **2021**, 12, 546	2.7	3
240	Geometrical Assessment of Sunlit and Shaded Area of Urban Trees Based on Aligned Orthographic Views. *Atmosphere*, **2021**, 12, 968	2.7	
239	Temporal Analysis of Urban-Suburban PET, mPET and UTCI Indices in Belgrade (Serbia). *Atmosphere*, **2021**, 12, 916	2.7	7
238	RayMan and SkyHelios Model **2021**, 339-361		2
237	Temporal and spatial analysis of thermal stress and its trend in Iran. *Meteorological Applications*, **2021**, 28, e1977	2.1	0

236	Human Biometeorological Models: Existing and Future Reflections for Lisbon **2021**, 443-464		1
235	The complex interplay of climate, TBEV vector dynamics and TBEV infection rates in ticks-Monitoring a natural TBEV focus in Germany, 2009-2018. *PLoS ONE*, **2021**, 16, e0244668	3.7	5
234	How Does Radial Growth of Water-Stressed Populations of European Beech (Fagus sylvatica L.) Trees Vary under Multiple Drought Events?. *Forests*, **2021**, 12, 129	2.8	3
233	Analysis of air temperature dynamics in the "local climate zones" of Novi Sad (Serbia) based on long-term database from an urban meteorological network. *International Journal of Biometeorology* , **2021**, 1	3.7	8
232	Quantification of thermal stress abatement by trees, its dependence on morphology and wind: A case study at Patna, Bihar, India. *Urban Forestry and Urban Greening*, **2021**, 63, 127213	5.4	3
231	A quantitative assessment of the dependence of outdoor thermal-stresses on tree-building morphology and wind: A case-study in sub-tropical Patna, India. *Sustainable Cities and Society*, **2021**, 73, 103085	10.1	
230	Improving the suitability of selected thermal indices for predicting outdoor thermal sensation in Tehran. *Sustainable Cities and Society*, **2021**, 74, 103205	10.1	3
229	A Note on the Assessment of the Effect of Atmospheric Factors and Components on Humans. *Atmosphere*, **2020**, 11, 1283	2.7	3
228	A Study of the Thermal Environment and Air Quality in Hot□Humid Regions during Running Events in Southern Taiwan. *Atmosphere*, **2020**, 11, 1101	2.7	1
227	Comparison of Thermal Comfort between Sapporo and Tokyo□The Case of the Olympics 2020. *Atmosphere*, **2020**, 11, 444	2.7	11
226	Mean radiant temperature in urban canyons from solar calculations, climate and surface properties □Theory, validation and ?Mr.T□software. *Building and Environment*, **2020**, 178, 106927	6.5	8
225	Overview of the PALM model system 6.0. *Geoscientific Model Development*, **2020**, 13, 1335-1372	6.3	67
224	The Heat Health Warning System in Germany□Application and Warnings for 2005 to 2019. *Atmosphere*, **2020**, 11, 170	2.7	27
223	Human-biometeorological conditions during heat waves in Poland. *International Journal of Climatology*, **2020**, 40, 5043-5055	3.5	15
222	Heat-Related Mortality. *Deutsches Ärzteblatt International*, **2020**, 117, 603-609	2.5	5
221	Calculating human thermal comfort and thermal stress in the PALM model system 6.0. *Geoscientific Model Development*, **2020**, 13, 3055-3065	6.3	15
220	Recent trends on human thermal bioclimate conditions in Kyiv, Ukraine. *Geographia Polonica*, **2020**, 93, 89-106	1.5	15
219	Das Hitzewarnsystem des Deutschen Wetterdienstes (DWD). *Public Health Forum*, **2020**, 28, 26-28	0.1	0

218	Hitze in der Stadt Mikroklima und Anpassungsma ahmen: ein Fallbeispiel aus Freiburg. *Public Health Forum*, **2020**, 28, 46-49	0.1	
217	A review of outdoor thermal comfort indices and neutral ranges for hot-humid regions. *Urban Climate*, **2020**, 31, 100531	6.8	52
216	UV-Index Climatology for Europe Based on Satellite Data. *Atmosphere*, **2020**, 11, 727	2.7	11
215	Concepts and New Implements for Modified Physiologically Equivalent Temperature. *Atmosphere*, **2020**, 11, 694	2.7	4
214	Comparison of Respiratory and Ischemic Heart Mortalities and their Relationship to the Thermal Environment. *Atmosphere*, **2020**, 11, 826	2.7	5
213	Tourism-related climate information for adjusted and responsible planning in the tourism industry in Barcelona, Spain. *Theoretical and Applied Climatology*, **2020**, 142, 1003-1014	3	6
212	Accuracy of Mean Radiant Temperature Derived from Active and Passive Radiometry. *Atmosphere*, **2020**, 11, 805	2.7	7
211	The influence of foehn winds on the incidence of severe injuries in southern Bavaria - an analysis of the TraumaRegister DGU . *BMC Musculoskeletal Disorders*, **2020**, 21, 568	2.8	2
210	Review of Biometeorology of Heatwaves and Warm Extremes in Europe. *Atmosphere*, **2020**, 11, 1276	2.7	13
209	Approaching environmental human thermophysiological thresholds for the case of Ankara, Turkey. *Theoretical and Applied Climatology*, **2020**, 143, 1-23	3	3
208	Overview of the PALM model system 6.0 **2019**,		3
207	Environmental Controls on the Seasonal Variation in Gas Exchange and Water Balance in a Near-Coastal Mediterranean Pinus halepensis Forest. *Forests*, **2019**, 10, 313	2.8	5
206	Implementation of human thermal comfort and air humidity in K ppen-Geiger climate classification and importance towards the achievement of Sustainable Development Goals. *Theoretical and Applied Climatology*, **2019**, 138, 981-998	3	3
205	Present and Future Climate Tourism Conditions in Milos Island, Greece. *Atmosphere*, **2019**, 10, 145	2.7	9
204	A New Approach for Generating Human Biometeorological Information Based on Gridded High-Resolution Data (Basic Data of Test-Reference-Years). *Atmosphere*, **2019**, 10, 334	2.7	0
203	Visualization of Climate Factors for Sports Events and Activities The Tokyo 2020 Olympic Games. *Atmosphere*, **2019**, 10, 572	2.7	8
202	Urban morphology aspects on microclimate in a hot and humid climate. *Geographica Pannonica*, **2019**, 23, 398-410	1.9	12
201	Development of a new urban climate model based on the model PALM Project overview, planned work, and first achievements. *Meteorologische Zeitschrift*, **2019**, 28, 105-119	3.1	25

200	The Maturing Interdisciplinary Relationship between Human Biometeorological Aspects and Local Adaptation Processes: An Encompassing Overview. *Climate*, **2019**, 7, 134	3.1	5
199	Effect of radiation and wind on thermal comfort in urban environments - Application of the RayMan and SkyHelios model. *Urban Climate*, **2019**, 27, 1-7	6.8	39
198	Selection of Appropriate Thermal Indices for Applications in Human Biometeorological Studies. *Atmosphere*, **2019**, 10, 18	2.7	59
197	The potential of a modified physiologically equivalent temperature (mPET) based on local thermal comfort perception in hot and humid regions. *Theoretical and Applied Climatology*, **2019**, 135, 873-876	3	14
196	Identifying outdoor thermal risk areas and evaluation of future thermal comfort concerning shading orientation in a traditional settlement. *Science of the Total Environment*, **2018**, 626, 567-580	10.2	21
195	Influence of aspect ratio and orientation on large courtyard thermal conditions in the historical centre of Camagüey-Cuba. *Renewable Energy*, **2018**, 125, 840-856	8.1	32
194	Spatio-temporal analysis of present and future precipitation responses over South Germany. *Journal of Water and Climate Change*, **2018**, 9, 490-499	2.3	2
193	Outdoor human thermal perception in various climates: A comprehensive review of approaches, methods and quantification. *Science of the Total Environment*, **2018**, 631-632, 390-406	10.2	183
192	Operational forecasting of human-biometeorological conditions. *International Journal of Biometeorology*, **2018**, 62, 1339-1343	3.7	9
191	Analysis and mapping of present and future drought conditions over Greek areas with different climate conditions. *Theoretical and Applied Climatology*, **2018**, 131, 259-270	3	12
190	A short note on the inclusion of sultriness issues in perceived temperature in mild climates. *Theoretical and Applied Climatology*, **2018**, 131, 819-826	3	2
189	A comprehensive analysis of physiologically equivalent temperature changes of Iranian selected stations for the last half century. *Theoretical and Applied Climatology*, **2018**, 131, 19-41	3	13
188	Spatial and temporal analysis of extreme bioclimate conditions in Vojvodina, Northern Serbia. *International Journal of Climatology*, **2018**, 38, 142-157	3.5	13
187	High-resolution grids of hourly meteorological variables for Germany. *Theoretical and Applied Climatology*, **2018**, 131, 899-926	3	21
186	Erratum to "Seasonal Regional Differentiation of Human Thermal Comfort Conditions in Algeria" *Advances in Meteorology*, **2018**, 2018, 1-1	1.7	
185	The Impact of Tipuana tipu Species on Local Human Thermal Comfort Thresholds in Different Urban Canyon Cases in Mediterranean Climates: Lisbon, Portugal. *Atmosphere*, **2018**, 9, 12	2.7	14
184	Approaches to Outdoor Thermal Comfort Thresholds through Public Space Design: A Review. *Atmosphere*, **2018**, 9, 108	2.7	41
183	An Original Approach Combining CFD, Linearized Models, and Deformation of Trees for Urban Wind Power Assessment. *Sustainability*, **2018**, 10, 1915	3.6	1

182	Design of natural elements in open spaces of cities with a Mediterranean climate, conditions for comfort and urban ecology. *Environmental Science and Pollution Research*, **2018**, 25, 26643-26652	5.1	10
181	Spatial Estimation of Thermal Indices in Urban Areas-Basics of the SkyHelios Model. *Atmosphere*, **2018**, 9, 209	2.7	20
180	Bioclimatic and climatic tourism conditions at Zlatibor Mountain (Western Serbia). *Idojaras*, **2018**, 122, 321-343	1.7	2
179	Modified physiologically equivalent temperature-basics and applications for western European climate. *Theoretical and Applied Climatology*, **2018**, 132, 1275-1289	3	48
178	Confronting potential future augmentations of the physiologically equivalent temperature through public space design: The case of Rossio, Lisbon. *Sustainable Cities and Society*, **2018**, 37, 7-25	10.1	19
177	Thermal map assessment under climate and land use changes; a case study for Uzundere Basin. *Environmental Science and Pollution Research*, **2018**, 25, 940-951	5.1	4
176	Effect of asymmetrical street canyons on pedestrian thermal comfort in warm-humid climate of Cuba. *Theoretical and Applied Climatology*, **2018**, 133, 663-679	3	33
175	Influence of urban green on human thermal bioclimate – application of thermal indices and micro-scale models. *Acta Horticulturae*, **2018**, 1-10	0.3	4
174	Quantifying Thermal Stress for Sport Events-The Case of the Olympic Games 2020 in Tokyo. *Atmosphere*, **2018**, 9, 479	2.7	18
173	Climatology and trends of the Euro-Mediterranean thermal bioclimate. *International Journal of Climatology*, **2018**, 38, 3290-3308	3.5	10
172	Beyond Singular Climatic Variables-Identifying the Dynamics of Wholesome Thermo-Physiological Factors for Existing/Future Human Thermal Comfort during Hot Dry Mediterranean Summers. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	13
171	Quantification of the Tourism Climate of Algeria Based on the Climate-Tourism-Information-Scheme. *Atmosphere*, **2018**, 9, 250	2.7	6
170	Building Configuration of Low-Cost Apartments in Bandung-Its Contribution to the Microclimate and Outdoor Thermal Comfort. *Buildings*, **2018**, 8, 123	3.2	9
169	Sensitivity analysis and comparison of various potential evapotranspiration formulae for selected Greek areas with different climate conditions. *Theoretical and Applied Climatology*, **2017**, 128, 745-759	3	18
168	A methodology for the evaluation of the human-bioclimatic performance of open spaces. *Theoretical and Applied Climatology*, **2017**, 128, 811-820	3	10
167	Assessment of human thermal perception in the hot-humid climate of Dar es Salaam, Tanzania. *International Journal of Biometeorology*, **2017**, 61, 69-85	3.7	41
166	Comparison of selected approaches for urban roughness determination based on voronoi cells. *International Journal of Biometeorology*, **2017**, 61, 189-198	3.7	11
165	Assessment of future climate change impacts on the hydrological regime of selected Greek areas with different climate conditions **2017**, 48, 1327-1342		6

164	Urban thermal stress climatic mapping: Combination of long-term climate data and thermal stress risk evaluation. *Sustainable Cities and Society*, **2017**, 34, 12-21	10.1	20
163	Influence of multiple biotic and abiotic factors on the crown die-back of European beech trees at their drought limit. *Flora: Morphology, Distribution, Functional Ecology of Plants*, **2017**, 229, 58-70	1.9	14
162	Influence of height/width proportions on the thermal comfort of courtyard typology for Italian climate zones. *Sustainable Cities and Society*, **2017**, 29, 97-106	10.1	56
161	Seasonal Regional Differentiation of Human Thermal Comfort Conditions in Algeria. *Advances in Meteorology*, **2017**, 2017, 1-14	1.7	5
160	Microclimatic modelling in assessing the impact of urban geometry on urban thermal environment. *Sustainable Cities and Society*, **2017**, 34, 293-308	10.1	65
159	Assessment of continuous sky view factor based on ultra-high resolution natural colour images acquired by remotely piloted airborne systems for applications in an urban area of Athens. *International Journal of Remote Sensing*, **2017**, 38, 5814-5829	3.1	2
158	Present and future assessment of growing degree days over selected Greek areas with different climate conditions. *Meteorology and Atmospheric Physics*, **2017**, 129, 453-467	2	5
157	The Heat Health Warning System of DWD□oncept and Lessons Learned. *Springer Atmospheric Sciences*, **2017**, 191-196	0.7	7
156	Examining default urban-aspect-ratios and sky-view-factors to identify priorities for thermal-sensitive public space design in hot-summer Mediterranean climates: The Lisbon case. *Building and Environment*, **2017**, 126, 442-456	6.5	22
155	The Summers 2003 and 2015 in South-West Germany: Heat Waves and Heat-Related Mortality in the Context of Climate Change. *Atmosphere*, **2017**, 8, 224	2.7	55
154	Urban Roughness Estimation Based on Digital Building Models for Urban Wind and Thermal Condition Estimation□pplication of the SkyHelios Model. *Atmosphere*, **2017**, 8, 247	2.7	8
153	Biometeorological Assessment of Mortality Related to Extreme Temperatures in Helsinki Region, Finland, 1972-2014. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	26
152	Tourismus **2017**, 235-241		2
151	Effects of ventilation behaviour on indoor heat load based on test reference years. *International Journal of Biometeorology*, **2016**, 60, 277-87	3.7	11
150	Quantification and assessment of heat and cold waves in Novi Sad, Northern Serbia. *International Journal of Biometeorology*, **2016**, 60, 139-50	3.7	33
149	A quantitative sensitivity analysis on the behaviour of common thermal indices under hot and windy conditions in Doha, Qatar. *Theoretical and Applied Climatology*, **2016**, 124, 179-187	3	22
148	Quantification of thermal bioclimate for the management of urban design in Mediterranean climate of Barcelona, Spain. *International Journal of Biometeorology*, **2016**, 60, 1261-70	3.7	21
147	Implementation of human thermal comfort information in K□ppen-Geiger climate classification-the example of China. *International Journal of Biometeorology*, **2016**, 60, 1801-1805	3.7	15

146	Mapping of drought for Sperchios River basin in central Greece. *Hydrological Sciences Journal*, **2016**, 1-11	3.5	5
145	Human thermal comfort conditions and urban planning in hot-humid climates-The case of Cuba. *International Journal of Biometeorology*, **2016**, 60, 1151-64	3.7	19
144	Modeling of mean radiant temperature based on comparison of airborne remote sensing data with surface measured data. *Atmospheric Research*, **2016**, 174-175, 151-159	5.4	10
143	Integrated analysis of present and future responses of precipitation over selected Greek areas with different climate conditions. *Atmospheric Research*, **2016**, 169, 199-208	5.4	21
142	Integrated analysis and mapping of aridity over Greek areas with different climate conditions. *Global Nest Journal*, **2016**, 18, 131-145	1.4	11
141	Pilot Actions in European Cities Stuttgart **2016**, 281-303		1
140	Anpassung des Tourismus an den Klimawandel in Mitteleuropa **2016**, 31-88		
139	Forecasting Models for Urban Warming in Climate Change **2016**, 3-39		1
138	Spatial-temporal study on the effects of urban street configurations on human thermal comfort in the world heritage city of Camagey-Cuba. *Building and Environment*, **2016**, 101, 85-101	6.5	81
137	Mapping the Physiologically Equivalent Temperature in urban areas using artificial neural network. *Landscape and Urban Planning*, **2016**, 150, 1-9	7.7	23
136	Relevance of Thermal Indices for the Assessment of the Urban Heat Island **2016**, 93-107		2
135	Sport events and climate for visitors--the case of FIFA World Cup in Qatar 2022. *International Journal of Biometeorology*, **2015**, 59, 481-6	3.7	24
134	Climatic and thermal comfort analysis of the Tel-Aviv Geddes Plan: A historical perspective. *Building and Environment*, **2015**, 93, 302-318	6.5	13
133	Effect of tree planting design and tree species on human thermal comfort in the tropics. *Landscape and Urban Planning*, **2015**, 138, 99-109	7.7	208
132	Comparison of different methods for the assessment of the urban heat island in Stuttgart, Germany. *International Journal of Biometeorology*, **2015**, 59, 1299-309	3.7	35
131	Weather as physiologically equivalent was not associated with ischemic stroke onsets in Vienna, 2004-2010. *Environmental Science and Pollution Research*, **2015**, 22, 8756-62	5.1	3
130	Assessment of the influence of daily shadings pattern on human thermal comfort and attendance in Rome during summer period. *Building and Environment*, **2015**, 92, 30-38	6.5	58
129	Dynamic modeling of human thermal comfort after the transition from an indoor to an outdoor hot environment. *International Journal of Biometeorology*, **2015**, 59, 205-16	3.7	23

128	Evaluation of thermal bioclimate based on observational data and numerical simulations: an application to Greece. *International Journal of Biometeorology*, **2015**, 59, 151-64	3.7	7
127	Multicriteria analysis model for urban open space renovation: An application for Rome. *Sustainable Cities and Society*, **2015**, 14, e10-e20	10.1	17
126	A note on the evolution of the daily pattern of thermal comfort-related micrometeorological parameters in small urban sites in Athens. *International Journal of Biometeorology*, **2015**, 59, 1223-36	3.7	13
125	Urban atmospheric environment and human biometeorological studies in Dar es Salaam, Tanzania. *Air Quality, Atmosphere and Health*, **2015**, 8, 175-191	5.6	36
124	Thermal bioclimate and climate tourism analysis for odessa, black sea. *Geografiska Annaler, Series A: Physical Geography*, **2015**, 97, 671-679	1.1	11
123	Temporal Differences of Urban-Rural Human Biometeorological Factors for Planning and Tourism in Szeged, Hungary. *Advances in Meteorology*, **2015**, 2015, 1-8	1.7	8
122	Advances in Urban Biometeorology 2014. *Advances in Meteorology*, **2015**, 2015, 1-3	1.7	1
121	Customized rating assessment of climate suitability (CRACS): climate satisfaction evaluation based on subjective perception. *International Journal of Biometeorology*, **2015**, 59, 1825-37	3.7	17
120	Analysis of microclimatic diversity and outdoor thermal comfort perceptions in the tropical megacity Dhaka, Bangladesh. *Building and Environment*, **2015**, 94, 734-750	6.5	61
119	Application and comparison of UTCI and PET in temperate climate conditions **2015**, 49,		17
118	Outdoor thermal perception in different climatic regions. Initial results from Taichung (Taiwan) and Lisbon (Portugal) **2015**, 49,		2
117	Outdoor thermal comfort characteristics in the hot and humid region from a gender perspective. *International Journal of Biometeorology*, **2014**, 58, 1927-39	3.7	60
116	Impact of heat waves on mortality in Croatia. *International Journal of Biometeorology*, **2014**, 58, 1135-45	3.7	20
115	The climatic wind energy potential present and future: GIS-analysis in the region of Freiburg im Breisgau based on observed data and Regional Climate Models. *Open Geosciences*, **2014**, 6,	1.3	2
114	Quantification of climate tourism potential of Croatia based on measured data and regional modeling. *International Journal of Biometeorology*, **2014**, 58, 1369-81	3.7	18
113	Comparison of different methods of estimating the mean radiant temperature in outdoor thermal comfort studies. *International Journal of Biometeorology*, **2014**, 58, 1727-37	3.7	42
112	Assessment of bioclimatic conditions on Crete Island, Greece. *Regional Environmental Change*, **2014**, 14, 1967-1981	4.3	49
111	Evidence of past and future changes in health-related meteorological variables across Luxembourg. *Air Quality, Atmosphere and Health*, **2014**, 7, 71-81	5.6	11

110	Hydroclimatic assessment of water resources of low Pacific islands: evaluating sensitivity to climatic change and variability. *International Journal of Climatology*, **2014**, 34, 881-892	3.5	5
109	Human-biometeorological assessment of heat stress reduction by replanning measures in Stuttgart, Germany. *Landscape and Urban Planning*, **2014**, 122, 78-88	7.7	121
108	Human-biometeorological assessment of the urban heat island in a city with complex topography The case of Stuttgart, Germany. *Urban Climate*, **2014**, 10, 573-584	6.8	42
107	A simple model for the estimation of wine characteristics in SW Germany. *Theoretical and Applied Climatology*, **2014**, 116, 259-271	3	2
106	Thermal bioclimate in idealized urban street canyons in Campinas, Brazil. *Theoretical and Applied Climatology*, **2014**, 115, 333-340	3	41
105	Estimation of wine characteristics using a modified Heliothermal Index in Baden-Wttemberg, SW Germany. *International Journal of Biometeorology*, **2014**, 58, 407-15	3.7	9
104	Comparison of mean radiant temperature from field experiment and modelling: a case study in Freiburg, Germany. *Theoretical and Applied Climatology*, **2014**, 118, 535-551	3	73
103	Daytime relapse of the mean radiant temperature based on the six-directional method under unobstructed solar radiation. *International Journal of Biometeorology*, **2014**, 58, 1615-25	3.7	19
102	Thermal bioclimate as a factor in urban and architectural planning in tropical climates The case of Campinas, Brazil. *Urban Ecosystems*, **2014**, 17, 489-500	2.8	16
101	Planning with urban climate in different climatic zones. *Geographicalia*, **2014**, 5	2	3
100	Estimation and comparison of potential evapotranspiration based on daily and monthly data from Sperchios valley in Central Greece. *Global Nest Journal*, **2014**, 16, 204-217	1.4	11
99	Potential climate change impacts on winegrape must density and titratable acidity in southwest Germany. *Climate Research*, **2014**, 59, 161-172	1.6	6
98	Analysis of thermal bioclimate in various urban configurations in Athens, Greece. *Urban Ecosystems*, **2013**, 16, 217-233	2.8	76
97	Assessment of thermal bioclimate and tourism climate potential for central Europe the example of Luxembourg. *Theoretical and Applied Climatology*, **2013**, 114, 193-202	3	36
96	Basic analysis of climate and urban bioclimate of Dar es Salaam, Tanzania. *Theoretical and Applied Climatology*, **2013**, 114, 213-226	3	36
95	Relevance of thermal environment to human health: a case study of Ondo State, Nigeria. *Theoretical and Applied Climatology*, **2013**, 113, 205-212	3	18
94	Research on ecological design to enhance comfort in open spaces of a city (Valencia, Spain). Utility of the physiological equivalent temperature (PET). *Ecological Engineering*, **2013**, 57, 27-39	3.9	50
93	Modeling of changes in thermal bioclimate: examples based on urban spaces in Freiburg, Germany. *Theoretical and Applied Climatology*, **2013**, 111, 547-558	3	70

92	Human thermal perception of Coastal Mediterranean outdoor urban environments. *Applied Geography*, **2013**, 37, 1-10	4.4	145
91	Human Bioclimatic Conditions, Trends, and Variability in the Athens University Campus, Greece. *Advances in Meteorology*, **2013**, 2013, 1-8	1.7	22
90	Human-Biometeorological Assessment of Urban Structures in Extreme Climate Conditions: The Example of Birobidzhan, Russian Far East. *Advances in Meteorology*, **2013**, 2013, 1-10	1.7	11
89	Advances in Urban Biometeorology. *Advances in Meteorology*, **2013**, 2013, 1-3	1.7	1
88	Effects of Urban Configuration on Human Thermal Conditions in a Typical Tropical African Coastal City. *Advances in Meteorology*, **2013**, 2013, 1-12	1.7	14
87	Acute coronary syndromes related to bio-climate in a Mediterranean area. The case of Ierapetra, Crete Island, Greece. *International Journal of Environmental Health Research*, **2013**, 23, 76-90	3.6	12
86	The effects of elevation on thermal bioclimatic conditions in Uluda (Turkey). *Atmosfera*, **2013**, 26, 45-57	2.5	4
85	Vertical variability of thermal comfort in urban areas: The example of Taipei 101. *Meteorologische Zeitschrift*, **2013**, 22, 753-759	3.1	1
84	The importance of thermal comfort in different elevation for city planning. *Global Nest Journal*, **2013**, 15, 408-420	1.4	10
83	The Climate and Bioclimate of Nev hir from the Perspective of Tourism. *Springer Atmospheric Sciences*, **2013**, 397-402	0.7	2
82	Evaluation of Potential Evapotranspiration in Central Macedonia by EmPEst. *Springer Atmospheric Sciences*, **2013**, 451-456	0.7	3
81	Transferring Climate Information for Application and Planning: The Climate-Tourism/Transfer-Information-Scheme. *Springer Atmospheric Sciences*, **2013**, 591-597	0.7	2
80	Modeling of Changes in Human Thermal Bioclimate Resulting from Changes in Urban Design: Example Based on a Popular Place in Freiburg, Southwest Germany. *Springer Atmospheric Sciences*, **2013**, 443-449	0.7	
79	The use of polyurethane as encapsulating method for polymer solar cells An inter laboratory study on outdoor stability in 8 countries. *Solar Energy Materials and Solar Cells*, **2012**, 99, 292-300	6.4	34
78	The climate and bioclimate of Bursa (Turkey) from the perspective of tourism. *Theoretical and Applied Climatology*, **2012**, 107, 417-425	3	30
77	Evaluation of thermal comfort conditions in Ourmieh Lake, Iran. *Theoretical and Applied Climatology* , **2012**, 107, 451-459	3	29
76	Mean radiant temperature in idealised urban canyons--examples from Freiburg, Germany. *International Journal of Biometeorology*, **2012**, 56, 199-203	3.7	78
75	Quantification of the effect of thermal indices and sky view factor on park attendance. *Landscape and Urban Planning*, **2012**, 107, 137-146	7.7	133

74	The climate tourism potential of Alpine destinations using the example of Sonnblick, Rauris and Salzburg. *Theoretical and Applied Climatology*, **2012**, 110, 645-658	3	24
73	Effect of thermal environment on the temporal, spatial and seasonal occurrence of measles in Ondo state, Nigeria. *International Journal of Biometeorology*, **2012**, 56, 873-85	3.7	8
72	The effect of air temperature and human thermal indices on mortality in Athens, Greece. *Theoretical and Applied Climatology*, **2012**, 108, 591-599	3	125
71	Daily and seasonal climatic conditions of green urban open spaces in the Mediterranean climate and their impact on human comfort. *Building and Environment*, **2012**, 51, 285-295	6.5	143
70	Assessment of tourism and recreation destinations under climate change conditions in Austria. *Meteorologische Zeitschrift*, **2012**, 21, 157-165	3.1	10
69	Artificial snowmaking possibilities and climate change based on regional climate modeling in the Southern Black Forest. *Meteorologische Zeitschrift*, **2012**, 21, 167-172	3.1	12
68	Derivation of a climatic dataset for water balance modelling of Pacific atolls. *Meteorologische Zeitschrift*, **2011**, 20, 565-570	3.1	1
67	Climate and bioclimate analysis of Ondo State, Nigeria. *Meteorologische Zeitschrift*, **2011**, 20, 531-539	3.1	22
66	The influence of the summer sea breeze on thermal comfort in Funchal (Madeira). A contribution to tourism and urban planning. *Meteorologische Zeitschrift*, **2011**, 20, 553-564	3.1	34
65	When stroke epidemiology meets weather and climate: a heat exposure index from human biometeorology. *International Journal of Stroke*, **2011**, 6, 176	6.3	14
64	Climate and tourism in the Black Forest during the warm season. *International Journal of Biometeorology*, **2011**, 55, 173-86	3.7	25
63	Climatic potential for tourism in the Black Forest, Germany--winter season. *International Journal of Biometeorology*, **2011**, 55, 339-51	3.7	25
62	Estimation of the tourism climate in the Hunter Region, Australia, in the early twenty-first century. *International Journal of Biometeorology*, **2011**, 55, 565-74	3.7	17
61	Analysis of high-resolution simulations for the Black Forest region from a point of view of tourism climatology a comparison between two regional climate models (REMO and CLM). *Theoretical and Applied Climatology*, **2011**, 103, 427-440	3	8
60	Human biometeorological evaluation of heat-related mortality in Vienna. *Theoretical and Applied Climatology*, **2011**, 105, 1-10	3	54
59	Human-biometeorological assessment of heat waves in Athens. *Theoretical and Applied Climatology* , **2011**, 105, 99-106	3	67
58	Comparison of models calculating the sky view factor used for urban climate investigations. *Theoretical and Applied Climatology*, **2011**, 105, 521-527	3	53
57	A mapping tool for climatological applications. *Meteorological Applications*, **2011**, 18, 230-237	2.1	8

56	Evaluation of 13 Empirical Reference Potential Evapotranspiration Equations on the Island of Crete in Southern Greece. *Journal of Irrigation and Drainage Engineering - ASCE*, **2011**, 137, 211-222	1.1	62
55	Seasonal effects of urban street shading on long-term outdoor thermal comfort. *Building and Environment*, **2011**, 46, 863-870	6.5	199
54	Tourism climate information based on human thermal perception in Taiwan and Eastern China. *Tourism Management*, **2011**, 32, 492-500	10.8	73
53	Environmental impacts on human health during a Saharan dust episode at Crete Island, Greece. *Meteorologische Zeitschrift*, **2011**, 20, 517-529	3.1	33
52	Estimation of Reference Potential Evapotranspiration with Focus on Vegetation Science the EmPEst Software. *Journal of Irrigation and Drainage Engineering - ASCE*, **2011**, 137, 616-619	1.1	7
51	Sky view factor as a parameter in applied climatology rapid estimation by the SkyHelios model. *Meteorologische Zeitschrift*, **2011**, 20, 39-45	3.1	69
50	Viticulture in southwest Germany under climate change conditions. *Climate Research*, **2011**, 47, 161-169	1.6	23
49	Climate change and mortality in Vienna--a human biometeorological analysis based on regional climate modeling. *International Journal of Environmental Research and Public Health*, **2010**, 7, 2965-77	4.6	42
48	Bioclimatic maps for tourism purposes. *Physics and Chemistry of the Earth*, **2010**, 35, 57-62	3	17
47	Use of beanplots in applied climatology A comparison with boxplots. *Meteorologische Zeitschrift*, **2010**, 19, 641-644	3.1	6
46	Chapter 14 Climate change and adaptation at regional and local scale. *Bridging Tourism Theory and Practice*, **2010**, 237-259	0.1	13
45	Chapter 15 Climate change and tourism in the eastern Baltic Sea region. *Bridging Tourism Theory and Practice*, **2010**, 261-281	0.1	2
44	Evaluation of atmospheric thermal radiation algorithms for daylight hours. *Theoretical and Applied Climatology*, **2010**, 102, 227-241	3	5
43	Vertical gradient of climate change and climate tourism conditions in the Black Forest. *International Journal of Biometeorology*, **2010**, 54, 45-61	3.7	31
42	Modelling radiation fluxes in simple and complex environments: basics of the RayMan model. *International Journal of Biometeorology*, **2010**, 54, 131-9	3.7	629
41	Climate change and thermal bioclimate in cities: impacts and options for adaptation in Freiburg, Germany. *International Journal of Biometeorology*, **2010**, 54, 479-83	3.7	98
40	Summer climate and mortality in Vienna - a human-biometeorological approach of heat-related mortality during the heat waves in 2003. *Wiener Klinische Wochenschrift*, **2010**, 122, 525-31	2.3	27
39	Shading effect on long-term outdoor thermal comfort. *Building and Environment*, **2010**, 45, 213-221	6.5	375

38	Analysis of growing degree-days as a climate impact indicator in a region with extreme annual air temperature amplitude. *Climate Research*, **2010**, 42, 143-154	1.6	32
37	Quantification of climate for tourism in the northwest of Iran. *Meteorological Applications*, **2009**, 16, 545-555	2.5	28
36	Thermal bioclimate in Strasbourg - the 2003 heat wave. *Theoretical and Applied Climatology*, **2009**, 98, 209-220	3	68
35	The bioclimatological leaflet as a means conveying climatological information to tourists and the tourism industry. *International Journal of Biometeorology*, **2009**, 53, 369-74	3.7	67
34	Seasonal and interannual ecophysiological responses of beech (Fagus sylvatica) at its south-eastern distribution limit in Europe. *Forest Ecology and Management*, **2009**, 257, 1157-1164	3.9	55
33	Adaptation in the Tourism and Recreation Sector **2009**, 171-194		49
32	Human-Biometeorological Effects on Sleep Disturbances in Athens, Greece: A Preliminary Evaluation. *Indoor and Built Environment*, **2008**, 17, 535-542	1.8	18
31	Variability of tropical days over Greece within the second half of the twentieth century. *Theoretical and Applied Climatology*, **2008**, 93, 75-89	3	33
30	Tourism climate and thermal comfort in Sun Moon Lake, Taiwan. *International Journal of Biometeorology*, **2008**, 52, 281-90	3.7	338
29	The drought tolerance limit of Fagus sylvatica forest on limestone in southwestern Germany. *Journal of Vegetation Science*, **2008**, 19, 757-768	3.1	26
28	Physiological Equivalent Temperature as Indicator for Impacts of Climate Change on Thermal Comfort of Humans **2008**, 161-172		75
27	Weather and cycling□ first approach to the effects of weather conditions on cycling. *Meteorological Applications*, **2007**, 14, 61-67	2.1	61
26	Modelling radiation fluxes in simple and complex environments--application of the RayMan model. *International Journal of Biometeorology*, **2007**, 51, 323-34	3.7	761
25	Climatology of growing degree days in Greece. *Climate Research*, **2007**, 34, 233-240	1.6	17
24	Weather- and climate-related information for tourism. *Tourism and Hospitality Planning and Development*, **2006**, 3, 99-115		98
23	Thermal comfort trends and variability in the Croatian and Slovenian mountains. *Meteorologische Zeitschrift*, **2006**, 15, 243-251	3.1	16
22	Carbon isotopic composition and oxygen isotopic enrichment in phloem and total leaf organic matter of European beech (Fagus sylvatica L.) along a climate gradient. *Plant, Cell and Environment*, **2006**, 29, 1492-507	8.4	93
21	Assessment of the microclimatic and human comfort conditions in a complex urban environment: Modelling and measurements. *Building and Environment*, **2006**, 41, 1713-1722	6.5	212

20	Sunshine duration hours over the Greek region. *Theoretical and Applied Climatology*, **2006**, 83, 107-120	3	19
19	Seasonal courses of key parameters of nitrogen, carbon and water balance in European beech (Fagus sylvatica L.) grown on four different study sites along a European North-South climate gradient during the 2003 drought. *Trees - Structure and Function*, **2006**, 21, 79-92	2.6	32
18	Weather impacts on respiratory infections in Athens, Greece. *International Journal of Biometeorology*, **2006**, 50, 358-69	3.7	54
17	Soluble N compound profiles and concentrations in European beech (Fagus sylvatica L.) are influenced by local climate and thinning. *European Journal of Forest Research*, **2006**, 125, 1-14	2.7	23
16	Measuring and modelling plant area index in beech stands. *International Journal of Biometeorology*, **2004**, 48, 192-201	3.7	49
15	Heating degree-days over Greece as an index of energy consumption. *International Journal of Climatology*, **2004**, 24, 1817-1828	3.5	65
14	Spatio-temporal variability of moisture conditions within the Urban Canopy Layer. *Theoretical and Applied Climatology*, **2003**, 76, 165-179	3	27
13	Downward atmospheric longwave irradiance under clear and cloudy skies: Measurement and parameterization. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2003**, 65, 1107-1116	2	139
12	Carbon and oxygen isotope composition of organic compounds in the phloem sap provides a short-term measure for stomatal conductance of European beech (Fagus sylvatica L.). *Plant, Cell and Environment*, **2003**, 26, 1157-1168	8.4	154
11	Assessment of Atmospheric Impacts on Human Beings an a Regional Scale **2003**, 211-219		
10	Radiation balance over low-lying and mountainous areas in south-west Germany. *Theoretical and Applied Climatology*, **2001**, 68, 219-231	3	8
9	Radiation modifies the effect of water availability on the carbon isotope composition of beech (Fagus sylvatica). *New Phytologist*, **2001**, 150, 653-664	9.8	97
8	Impacts of the solar eclipse of 11 August 1999 on routinely recorded meteorological and air quality data in south-west Germany. *Meteorologische Zeitschrift*, **2001**, 10, 215-223	3.1	26
7	Empirical Models for Estimating Net Radiative Flux: A Case Study for Three Mid-Latitude Sites with Orographic Variability. *Astrophysics and Space Science*, **2000**, 273, 313-330	1.6	24
6	Applications of a universal thermal index: physiological equivalent temperature. *International Journal of Biometeorology*, **1999**, 43, 76-84	3.7	627
5	Heat stress in Greece. *International Journal of Biometeorology*, **1997**, 41, 34-9	3.7	125
4	The extreme heat wave in Athens in July 1987 from the point of view of human biometeorology. *Atmospheric Environment Part B Urban Atmosphere*, **1991**, 25, 203-211		44
3	Routledge Handbook of Urban Forestry		9

2	Present and future responses of growing degree days for Crete Island in Greece. *Advances in Science and Research*,14, 1-5		3
1	Temporal analysis of thermal bioclimate conditions between Kolkata (India) and its three neighbouring suburban sites. *Theoretical and Applied Climatology*,1	3	1