

# Eduardo Krger

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85  
papers

1,872  
citations

24  
h-index

42  
g-index

104  
ext. papers

2,143  
ext. citations

4  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
85	Impact of urban geometry on outdoor thermal comfort and air quality from field measurements in Curitiba, Brazil. <i>Building and Environment</i> , <b>2011</b> , 46, 621-634	6.5	270
84	Instruments and methods in outdoor thermal comfort studies – The need for standardization. <i>Urban Climate</i> , <b>2014</b> , 10, 346-366	6.8	219
83	Predicting urban outdoor thermal comfort by the Universal Thermal Climate Index UTCI--a case study in Southern Brazil. <i>International Journal of Biometeorology</i> , <b>2012</b> , 56, 471-80	3.7	128
82	Urban heat island and its impact on climate change resilience in a shrinking city: The case of Glasgow, UK. <i>Building and Environment</i> , <b>2012</b> , 53, 137-149	6.5	104
81	Acoustic, thermal and luminous comfort in classrooms. <i>Building and Environment</i> , <b>2004</b> , 39, 1055-1063	6.5	76
80	Evaluating the impact of canyon geometry and orientation on cooling loads in a high-mass building in a hot dry environment. <i>Applied Energy</i> , <b>2010</b> , 87, 2068-2078	10.7	69
79	Effect of personal and microclimatic variables on observed thermal sensation from a field study in southern Brazil. <i>Building and Environment</i> , <b>2011</b> , 46, 690-697	6.5	66
78	Urban heat island and differences in outdoor comfort levels in Glasgow, UK. <i>Theoretical and Applied Climatology</i> , <b>2013</b> , 112, 127-141	3	64
77	Effectiveness of indirect evaporative cooling and thermal mass in a hot arid climate. <i>Building and Environment</i> , <b>2010</b> , 45, 1422-1433	6.5	48
76	Thermal monitoring and indoor temperature predictions in a passive solar building in an arid environment. <i>Building and Environment</i> , <b>2008</b> , 43, 1792-1804	6.5	44
75	Outdoor measurements and temperature comparisons of seven monitoring stations: Preliminary studies in Curitiba, Brazil. <i>Building and Environment</i> , <b>2007</b> , 42, 1685-1698	6.5	43
74	Comparison of different methods of estimating the mean radiant temperature in outdoor thermal comfort studies. <i>International Journal of Biometeorology</i> , <b>2014</b> , 58, 1727-37	3.7	42
73	Outdoor comfort study in Rio de Janeiro: site-related context effects on reported thermal sensation. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 463-475	3.7	39
72	Identifying potential effects from anthropometric variables on outdoor thermal comfort. <i>Building and Environment</i> , <b>2017</b> , 117, 230-237	6.5	37
71	Short- and long-term acclimatization in outdoor spaces: Exposure time, seasonal and heatwave adaptation effects. <i>Building and Environment</i> , <b>2017</b> , 116, 17-29	6.5	36
70	Evaluation of a Trombe wall system in a subtropical location. <i>Energy and Buildings</i> , <b>2013</b> , 66, 364-372	7	36
69	Calibration of the physiological equivalent temperature index for three different climatic regions. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 1323-1336	3.7	34

68	The role of evaporation in the energy balance of an open-air scaled urban surface. <i>International Journal of Climatology</i> , <b>2009</b> , 29, 911-920	3.5	34
67	The effect of urban evaporation on building energy demand in an arid environment. <i>Energy and Buildings</i> , <b>2008</b> , 40, 2090-2098	7	33
66	Comparing energy efficiency labelling systems in the EU and Brazil: Implications, challenges, barriers and opportunities. <i>Energy Policy</i> , <b>2017</b> , 109, 310-323	7.2	32
65	Predicting thermal performance in occupied dwellings. <i>Energy and Buildings</i> , <b>2004</b> , 36, 301-307	7	32
64	Evaluating the potential of an indirect evaporative passive cooling system for Brazilian dwellings. <i>Building and Environment</i> , <b>2015</b> , 87, 265-273	6.5	29
63	Assessment of daytime outdoor comfort levels in and outside the urban area of Glasgow, UK. <i>International Journal of Biometeorology</i> , <b>2013</b> , 57, 521-33	3.7	28
62	Daylighting analysis in a public school in Curitiba, Brazil. <i>Renewable Energy</i> , <b>2008</b> , 33, 1695-1702	8.1	24
61	Accounting for atmospheric stability conditions in urban heat island studies: The case of Glasgow, UK. <i>Landscape and Urban Planning</i> , <b>2013</b> , 117, 112-121	7.7	23
60	UTCI: validation and practical application to the assessment of urban outdoor thermal comfort. <i>Geographia Polonica</i> , <b>2013</b> , 86, 11-20	1.5	23
59	Implications of air-conditioning use on thermal perception in open spaces: A field study in downtown Rio de Janeiro. <i>Building and Environment</i> , <b>2015</b> , 94, 417-425	6.5	21
58	Impact of site-specific morphology on outdoor thermal perception: A case-study in a subtropical location. <i>Urban Climate</i> , <b>2017</b> , 21, 123-135	6.8	18
57	Definição de faixas de conforto e desconforto térmico para espaços abertos em Curitiba, PR, com o índice UTCI. <i>Ambiente Construído</i> , <b>2012</b> , 12, 41-59	0.4	18
56	Effects of atmospheric stability and urban morphology on daytime intra-urban temperature variability for Glasgow, UK. <i>Science of the Total Environment</i> , <b>2018</b> , 627, 782-791	10.2	14
55	Thermal performance evaluation of a low-cost housing prototype made with plywood panels in Southern Brazil. <i>Applied Energy</i> , <b>2010</b> , 87, 661-672	10.7	14
54	Urban heat island and indoor comfort effects in social housing dwellings. <i>Landscape and Urban Planning</i> , <b>2015</b> , 134, 147-156	7.7	13
53	Thermal analysis of wood element panels: Heat flux and indoor temperature measurements in test cells. <i>Construction and Building Materials</i> , <b>2009</b> , 23, 2299-2305	6.7	13
52	Thermal performance of different configurations of a roof pond-based system for subtropical conditions. <i>Building and Environment</i> , <b>2016</b> , 107, 90-98	6.5	13
51	Relationship between indoor thermal comfort conditions and the Time Weighted Preservation Index (TWPI) in three Brazilian archives. <i>Applied Energy</i> , <b>2011</b> , 88, 712-723	10.7	11

50	Identifying relationships between daylight variables and human preferences in a climate chamber. <i>Science of the Total Environment</i> , <b>2018</b> , 642, 1292-1302	10.2	11
49	Interferences of urban form on human thermal perception. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 1067-1076	10.2	10
48	Evaluating daylighting potential and energy efficiency in a classroom building. <i>Journal of Renewable and Sustainable Energy</i> , <b>2011</b> , 3, 063112	2.5	9
47	Calibrating UTCIS comfort assessment scale for three Brazilian cities with different climatic conditions. <i>International Journal of Biometeorology</i> , <b>2021</b> , 65, 1463-1472	3.7	7
46	Thermal analysis of wood-based test cells. <i>Construction and Building Materials</i> , <b>2010</b> , 24, 999-1007	6.7	7
45	Daytime microclimatic impacts of the SOVALP project in summer: A case study in Geneva, Switzerland. <i>Simulation</i> , <b>2014</b> , 90, 857-873	1.2	5
44	MODELO PREDITIVO DE SENSAT��T��RMICA EM ESPA��S ABERTOS EM CURITIBA, PR. <i>RATEGA - O Espaço Geogr��fico Em An��lise</i> , <b>2013</b> , 29, 209	0.2	5
43	Estrat��gias de melhoria do ambiente t��rmico diurno em situa��o de ver��o de uma fra��o urbana da cidade de S��o Paulo. <i>Ambiente Constr��do</i> , <b>2012</b> , 12, 139-158	0.4	5
42	Thermal and daylighting evaluation of the effect of varying aspect ratios in urban canyons in Curitiba, Brazil. <i>Journal of Renewable and Sustainable Energy</i> , <b>2009</b> , 1, 033108	2.5	5
41	Classification and energy analysis of bank building stock: A case study in Curitiba, Brazil. <i>Journal of Building Engineering</i> , <b>2019</b> , 23, 259-269	5.2	5
40	Shading analysis of urban squares using open-source software and free satellite imagery. <i>Applied Geomatics</i> , <b>2020</b> , 12, 441-454	2.2	4
39	Evaluation of the thermal performance of insulation sheets in fiberglass security booths. <i>Building and Environment</i> , <b>2018</b> , 136, 1-10	6.5	4
38	Acoustic and thermal field investigation of low-cost dwellings, a case study in Brazil. <i>Applied Acoustics</i> , <b>2007</b> , 68, 1213-1223	3.1	4
37	Estudo de conforto em espa��s abertos em regi��o de clima temperado: o caso de Glasgow, Reino Unido. <i>Ambiente Constr��do</i> , <b>2012</b> , 12, 7-25	0.4	4
36	Proposi��o do ��ndice "fra��o vegetada" e sua rela��o com altera��es na temperatura do ar e no conforto t��rmico no per��odo diurno e em situa��o de ver��o para Curitiba. <i>Ambiente Constr��do</i> , <b>2017</b> , 17, 353-371	0.4	4
35	Proposition of a simplified method for predicting hourly indoor temperatures in test cells. <i>Ambiente Constr��do</i> , <b>2017</b> , 17, 57-70	0.4	3
34	Recommendations of Height Restrictions for Urban Canyons in Curitiba, Brazil. <i>Journal of Asian Architecture and Building Engineering</i> , <b>2009</b> , 8, 447-452	1	3
33	An��lise da efici��cia energ��tica da envolt��ria de um projeto padr��o de uma ag��ncia banc��ria em diferentes zonas bioclim��ticas brasileiras. <i>Ambiente Constr��do</i> , <b>2012</b> , 12, 89-106	0.4	3

32	Impactos do uso de climatiza�� artificial na percep�� t�mica em espa�s abertos no centro do Rio de Janeiro. <i>Ambiente Construido</i> , <b>2016</b> , 16, 133-148	0.4	3
31	Urban climate studies in a subtropical location: literature review and current perspectives for Curitiba, Brazil. <i>Energy and Emission Control Technologies</i> , <b>2015</b> , 55		2
30	Quantifica�� da ilha de calor de Curitiba considerando aspectos de estabilidade atmosf�rica. <i>Revista Brasileira De Meteorologia</i> , <b>2015</b> , 30, 394-404	0.4	2
29	Simplified method for yearlong thermal analysis of building prototypes. <i>Renewable Energy</i> , <b>2011</b> , 36, 699-708	8.1	2
28	Impactos da altera�� no albedo das superf�cies no microclima e nos n�veis de conforto t�mico de pedestres em c�nions urbanos. <i>Ambiente Construido</i> , <b>2016</b> , 16, 89-106	0.4	2
27	Energy performance evaluation and comparison of sampled Brazilian bank buildings with the existing and proposed energy rating systems. <i>Energy and Buildings</i> , <b>2020</b> , 225, 110304	7	2
26	Efeitos da ilha de calor nos n�veis de conforto em ambientes externos e internos para as condi�es clim�ticas de Curitiba. <i>Engenharia Sanitaria E Ambiental</i> , <b>2016</b> , 21, 459-467	0.4	2
25	Atmospheric Impacts on Daytime Urban Heat Island. <i>Air, Soil and Water Research</i> , <b>2018</b> , 11, 117862211881020	10.2	2
24	Identifying solar access effects on visitors' behavior in outdoor resting areas in a subtropical location: a case study in Japan Square in Curitiba, Brazil. <i>International Journal of Biometeorology</i> , <b>2019</b> , 63, 301-313	3.7	1
23	Quantifica�� dos impactos da climatiza�� artificial na sensa�� t�mica de transeuntes em termos de altera��s no microclima. <i>Urbe</i> , <b>2017</b> , 9, 301-312	0.9	1
22	An�lise do efeito diurno do fator de vis�o do c�u no microclima e nos n�veis de conforto t�mico em ruas de pedestres em Curitiba. <i>Ambiente Construido</i> , <b>2011</b> , 11, 123-143	0.4	1
21	Interfer�ncias do fator cor da pele na percep�� t�mica de transeuntes. <i>Ambiente Construido</i> , <b>2017</b> , 17, 83-96	0.4	1
20	Efeito de uma onda de calor na aclimata�� no curto prazo durante experimentos suportados por c�nara clim�tica. <i>Ambiente Construido</i> , <b>2018</b> , 18, 491-501	0.4	1
19	Thermal Monitoring and Indoor Temperature Predictions in a Passive Solar Building in an Arid Environment <b>2008</b> , 431-435		1
18	Proposed Framework for Establishing a Global Database for Outdoor Thermal Comfort Research <b>2021</b> , 209-223		1
17	Calibra�� do �ndice de conforto para espa�s externos Physiological Equivalent Temperature (PET) para Curitiba. <i>Ambiente Construido</i> , <b>2018</b> , 18, 135-148	0.4	1
16	Green roof retrofitting of a lightweight security booth under subtropical conditions. <i>Urban Forestry and Urban Greening</i> , <b>2019</b> , 43, 126361	5.4	0
15	Regional Adaptation of the UTCI: Comparisons Between Different Datasets in Brazil <b>2021</b> , 113-135		0

- 14 Long and Short-Term Acclimatization Effects on Outdoor Thermal Perception Versus UTCI **2021**, 81-112 ○
- 13 Literature Review on UTCI Applications **2021**, 23-65 ○
- 12 Viabilidade energético-econômica de habitações de interesse social em Brasília com uso de blocos de concreto e entulho. *Revista Escola De Minas*, **2007**, 60, 519-524
- 11 Application of Arduino-Based Systems as Monitoring Tools in Indoor Comfort Studies: A Bibliometric Analysis. *International Journal of Architectural Engineering Technology*, **2020**, 7, 1-12 0.3
- 10 Experimental study on a low energy radiant-capacitive heating and cooling system. *Energy and Buildings*, **2021**, 255, 111674 7
- 9 Estudo sobre interferências da morfologia urbana na percepção térmica humana. *Brazilian Journal of Development*, **2019**, 5, 11746-11758 ○
- 8 Avaliação Pê-Ocupação de uma Câmara Bioclimática de Baixo Custo: a percepção térmica e acústica no diagnóstico de um ambiente construído. *Ambiente Construído*, **2020**, 20, 285-303 0.4
- 7 Efeito de orientação de janela nas condições térmicas do ambiente e na percepção do usuário. *Ambiente Construído*, **2020**, 20, 79-98 0.4
- 6 Estudo piloto em câmara climática: efeito da luz natural em aspectos de saúde e bem-estar não relacionados à visibilidade. *Ambiente Construído*, **2016**, 16, 149-168 0.4
- 5 Avaliação de desempenho térmico de protótipo de baixo custo em madeira de reflorestamento. *Revista Escola De Minas*, **2009**, 62, 447-454
- 4 Percepção térmica em um ambiente com painéis radiantes acoplados a um teto-reservatório. *Ambiente Construído*, **2021**, 21, 335-356 0.4
- 3 Sensitivity of UTCI Thermal Comfort Prediction to Personal and Situational Factors—Residual Analysis of Pedestrian Survey Data **2021**, 67-80
- 2 Experimentos de campo com teto-reservatório e painéis para resfriamento radiante em uma edificação teste. *Ambiente Construído*, **2021**, 21, 357-384 0.4
- 1 Responsive architecture: a bibliometric analysis of scientific production. *Ambiente Construído*, **2022**, 22, 31-45 0.4