

# Benoit Beckers

## List of Publications by Year in Descending Order

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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.

30 papers	137 citations	5 h-index	10 g-index
31 ext. papers	163 ext. citations	3.8 avg, IF	3.37 L-index

#	Paper	IF	Citations
30	Benefits of street sun sails to limit building cooling needs in a mediterranean city. <i>Building and Environment</i> , <b>2021</b> , 187, 107403	6.5	8
29	Pixel-by-pixel rectification of urban perspective thermography. <i>Remote Sensing of Environment</i> , <b>2021</b> , 266, 112689	13.2	2
28	Visual metering of the urban radiative environment through 4 $\pi$ imagery. <i>Infrared Physics and Technology</i> , <b>2020</b> , 110, 103463	2.7	4
27	Physically Based Simulation and Rendering of Urban Thermography. <i>Computer Graphics Forum</i> , <b>2020</b> , 39, 377-391	2.4	3
26	The Correlation Between Urban Morphology Parameters and Incident Solar Radiation Performance to Enhance Pedestrian Comfort, Case Study Jeddah, Saudi Arabia. <i>Smart Innovation, Systems and Technologies</i> , <b>2020</b> , 543-554	0.5	
25	Improving the daylighting performance of residential light wells by reflecting and redirecting approaches. <i>Solar Energy</i> , <b>2020</b> , 207, 1434-1444	6.8	5
24	ASSESSING THE COOLING EFFECT OF URBAN TEXTILE SHADING DEVICES THROUGH TIME-LAPSE THERMOGRAPHY. <i>Sustainable Cities and Society</i> , <b>2020</b> , 63, 102458	10.1	12
23	Visualizing the Infrared Response of an Urban Canyon Throughout a Sunny Day. <i>Innovative Renewable Energy</i> , <b>2019</b> , 277-284	0.3	2
22	A radiosity-based methodology considering urban environments for assessing daylighting. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1343, 012156	0.3	1
21	Importance-driven approach for reducing urban radiative exchange computations. <i>Building Simulation</i> , <b>2019</b> , 12, 231-246	3.9	4
20	Evaluation of the daylight conditions at early stages of an urban project. <i>European Journal of Environmental and Civil Engineering</i> , <b>2019</b> , 23, 728-742	1.5	
19	Characterization of façade fenestration for energy studies within the BixampleUrban tissue of Barcelona. <i>Energy Procedia</i> , <b>2017</b> , 122, 397-402	2.3	1
18	A fast daylighting method to optimize opening configurations in building design. <i>Energy and Buildings</i> , <b>2016</b> , 125, 205-218	7	5
17	Multiscale Analysis as a Central Component of Urban Physics Modeling. <i>Computational Methods in Applied Sciences (Springer)</i> , <b>2016</b> , 1-27	0.4	
16	A 66 line heat transfer finite element code to highlight the dual approach. <i>Computers and Mathematics With Applications</i> , <b>2015</b> , 70, 2401-2413	2.7	2
15	Urban layout optimization framework to maximize direct solar irradiation. <i>Computers, Environment and Urban Systems</i> , <b>2015</b> , 51, 1-12	5.9	20
14	<b>2014</b> ,		5

13	Room impulse response simulation based on equal-area ray tracing <b>2014</b> ,		1
12	Solar Potential and Solar Impact <b>2013</b> , 311-333		
11	Radiative Simulation Methods <b>2013</b> , 205-236		2
10	Evapotranspiration <b>2013</b> , 139-157		1
9	<b>2013</b> ,		2
8	A general rule for disk and hemisphere partition into equal-area cells. <i>Computational Geometry: Theory and Applications</i> , <b>2012</b> , 45, 275-283	0.4	37
7	The universal projection for computing data carried on the hemisphere. <i>CAD Computer Aided Design</i> , <b>2011</b> , 43, 219-226	2.9	9
6	Enrichment of the visual experience by a wider choice of projections <b>2007</b> ,		1
5	The Odyssey of Remote Sensing from Space: Half a Century of Satellites for Earth Observations1-12		1
4	Radiation Modeling Using the Finite Element Method237-257		2
3	Dense Cities in Temperate Climates: Solar and Daylight Rights291-310		2
2	Worldwide Aspects of Solar Radiation Impact99-118		2
1	Multiscale Daylight Modeling for Urban Environments159-190		3