

# Isaac Guedi Capeluto

## 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.

37  
papers

813  
citations

14  
h-index

28  
g-index

37  
ext. papers

922  
ext. citations

4.3  
avg, IF

4.61  
L-index

#	Paper	IF	Citations
37	Thermal mass and night ventilation as passive cooling design strategy. <i>Renewable Energy</i> , <b>2001</b> , 24, 445-452	8.52	148
36	Strategic decision-making for intelligent buildings: Comparative impact of passive design strategies and active features in a hot climate. <i>Building and Environment</i> , <b>2008</b> , 43, 1829-1839	6.5	75
35	Advice tool for early design stages of intelligent facades based on energy and visual comfort approach. <i>Energy and Buildings</i> , <b>2009</b> , 41, 480-488	7	72
34	Evaluating visual comfort and performance of three natural lighting systems for deep office buildings in highly luminous climates. <i>Building and Environment</i> , <b>2006</b> , 41, 1128-1135	6.5	72
33	Climatic considerations in school building design in the hot/humid climate for reducing energy consumption. <i>Applied Energy</i> , <b>2009</b> , 86, 340-348	10.7	62
32	Energy performance of the self-shading building envelope. <i>Energy and Buildings</i> , <b>2003</b> , 35, 327-336	7	60
31	On the use of solar volume for determining the urban fabric. <i>Solar Energy</i> , <b>2001</b> , 70, 275-280	6.8	48
30	The influence of the urban environment on the availability of daylighting in office buildings in Israel. <i>Building and Environment</i> , <b>2003</b> , 38, 745-752	6.5	37
29	Simulation-based method to determine climatic energy strategies of an adaptable building retrofit facade system. <i>Energy</i> , <b>2014</b> , 76, 375-384	7.9	33
28	Design guidelines for appropriate insolation of urban squares. <i>Renewable Energy</i> , <b>2006</b> , 31, 1011-1023	8.1	32
27	External shading in buildings: comparative analysis of daylighting performance in static and kinetic operation scenarios. <i>Architectural Science Review</i> , <b>2017</b> , 60, 126-136	2.6	23
26	Decision methodology for the development of an expert system applied in an adaptable energy retrofit facade system for residential buildings. <i>Renewable Energy</i> , <b>2015</b> , 78, 498-508	8.1	20
25	Solar potential in existing urban layouts: critical overview of the existing building stock in Slovenian context. <i>Energy Policy</i> , <b>2014</b> , 69, 443-456	7.2	18
24	A method for the generation of climate-based, context-dependent parametric solar envelopes. <i>Architectural Science Review</i> , <b>2017</b> , 60, 395-407	2.6	16
23	Rationalization methods in computer aided fabrication: A critical review. <i>Automation in Construction</i> , <b>2018</b> , 90, 281-293	9.6	13
22	Computer-Based Form Generation in Architectural Design: A Critical Review. <i>International Journal of Architectural Computing</i> , <b>2009</b> , 7, 535-553	0.8	10
21	Non-Linear Architectural Design Process. <i>International Journal of Architectural Computing</i> , <b>2010</b> , 8, 41-53	0.8	9

20	A methodology for the qualitative analysis of winds: natural ventilation as a strategy for improving the thermal comfort in open spaces. <i>Building and Environment</i> , <b>2005</b> , 40, 175-181	6.5	9
19	Adaptability in envelope energy retrofits through addition of intelligence features. <i>Architectural Science Review</i> , <b>2019</b> , 62, 216-229	2.6	8
18	Simulations and knowledge-based computer-aided architectural design (CAAD) systems for passive and low energy architecture. <i>Energy and Buildings</i> , <b>1996</b> , 23, 257-269	7	8
17	An energetic profile for greener buildings. <i>Sustainable Cities and Society</i> , <b>2020</b> , 61, 102171	10.1	6
16	Climate change and health in Israel: adaptation policies for extreme weather events. <i>Israel Journal of Health Policy Research</i> , <b>2013</b> , 2, 23	1.7	5
15	What Is a Real Intelligent Envelope?. <i>Green Energy and Technology</i> , <b>2017</b> , 1-20	0.6	5
14	From Form-Based to Performance-Based Codes. <i>Sustainability</i> , <b>2020</b> , 12, 5657	3.6	5
13	Evaluating the Influence of Varied External Shading Elements on Internal Daylight Illuminances. <i>Buildings</i> , <b>2020</b> , 10, 22	3.2	3
12	Intelligent Envelopes for High-Performance Buildings. <i>Green Energy and Technology</i> , <b>2017</b> ,	0.6	3
11	A Model for the Energetic-Economic Optimization of Office Buildings. <i>Architectural Science Review</i> , <b>2007</b> , 50, 331-339	2.6	3
10	Towards zero-energy residential complexes in high-density conditions. <i>Indoor and Built Environment</i> , <b>2020</b> , 1420326X2096216	1.8	3
9	Energy Rating of Buildings to Promote Energy-Conscious Design in Israel. <i>Buildings</i> , <b>2021</b> , 11, 59	3.2	3
8	The Solar Block Generator: an additive parametric method for solar driven urban block design. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2042, 012049	0.3	2
7	Dense Cities in Temperate Climates: Solar and Daylight Rights291-310		2
6	Light restoration proposal for the Ein Harod Museum of Art. <i>Architectural Science Review</i> , <b>2015</b> , 58, 300-313		
5	Design Considerations. <i>Green Energy and Technology</i> , <b>2017</b> , 51-79	0.6	
4	History and State of the Art. <i>Green Energy and Technology</i> , <b>2017</b> , 21-49	0.6	
3	Application Examples. <i>Green Energy and Technology</i> , <b>2017</b> , 107-128	0.6	

2 Design Tools. *Green Energy and Technology*, **2017**, 81-105

0.6

1 Buildings Morphology, Solar Rights and Zero Energy in High Density Urban Areas. *Innovative Renewable Energy*, **2022**, 351-356

0.3