

# Fabio Bisegna

## 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.

60 papers	1,245 citations	19 h-index	34 g-index
68 ext. papers	1,504 ext. citations	4.8 avg, IF	4.79 L-index

#	Paper	IF	Citations
60	A Round Robin Test on the dynamic simulation and the LEED protocol evaluation of a green building. <i>Sustainable Cities and Society</i> , <b>2022</b> , 78, 103654	10.1	0
59	Environmental parameters assessment of a new diffuser for air cooling/heating system: Measurements and numerical validation. <i>Building Simulation</i> , <b>2022</b> , 15, 1111-1132	3.9	0
58	On the Built-Environment Quality in Nearly Zero-Energy Renovated Schools: Assessment and Impact of Passive Strategies. <i>Energies</i> , <b>2021</b> , 14, 2799	3.1	1
57	Use of smartphone apps to monitor human exposure to solar radiation: Comparison between predicted and measured UV index values. <i>Environmental Research</i> , <b>2020</b> , 183, 109274	7.9	4
56	Planning smart cities: Comparison of two quantitative multicriteria methods applied to real case studies. <i>Sustainable Cities and Society</i> , <b>2020</b> , 60, 102249	10.1	7
55	The impact of humidity on vortex creation around isolated buildings. <i>Building Research and Information</i> , <b>2020</b> , 48, 551-571	4.3	1
54	Occupational Exposure to Solar UV Radiation of a Group of Fishermen Working in the Italian North Adriatic Sea. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	19
53	Renewable Energies Generation and Carbon Dioxide Emission Forecasting in Microgrids and National Grids using GRNN-GWO Methodology. <i>Energy Procedia</i> , <b>2019</b> , 159, 154-159	2.3	26
52	A novel composite neural network based method for wind and solar power forecasting in microgrids. <i>Applied Energy</i> , <b>2019</b> , 251, 113353	10.7	36
51	Towards the development of a smart district: The application of an holistic planning approach. <i>Sustainable Cities and Society</i> , <b>2019</b> , 48, 101570	10.1	14
50	Evaluation of atomic oxygen effects on nano-coated carbon-carbon structures for re-entry applications. <i>Acta Astronautica</i> , <b>2019</b> , 161, 276-282	2.9	11
49	Computing methods for resilience: evaluating new building components in the frame of SECAPs <b>2019</b> ,		2
48	On the use of phase change materials applied on cork-coconut-cork panels. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 4061-4090	4.1	10
47	Sun Exposure of Body Districts: Development and Validation of an Algorithm to Predict the Erythral Ultra Violet Dose. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	6
46	Influence of LCA procedure on the green building rating tools outcomes. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 609, 072044	0.4	0
45	Cold LED lighting affects visual but not acoustic vigilance. <i>Building and Environment</i> , <b>2019</b> , 151, 148-155	6.5	11
44	Critical review and methodological approach to evaluate the differences among international green building rating tools. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 950-960	16.2	140

43	Affective evaluation of the luminous environment in university classrooms. <i>Journal of Environmental Psychology</i> , <b>2018</b> , 58, 52-62	6.7	12
42	On the Validity of Daylight Factor for Evaluating the Energy Performance of Building <b>2018</b> ,		6
41	Emotional evaluation of lighting in university classrooms: A preliminary study. <i>Frontiers of Architectural Research</i> , <b>2018</b> , 7, 600-609	2.3	16
40	A step towards the optimization of the indoor luminous environment by genetic algorithms. <i>Indoor and Built Environment</i> , <b>2017</b> , 26, 590-607	1.8	15
39	The pedestrian's perspective: How do illuminance variations affect reassurance? <b>2017</b> ,		2
38	Sapienza smart campus: From the matrix approach to the applicative analysis of an optimized garbage collection system <b>2017</b> ,		1
37	The Impact of Spectral Composition of White LEDs on Spinach ( <i>Spinacia oleracea</i> ) Growth and Development. <i>Energies</i> , <b>2017</b> , 10, 1383	3.1	9
36	A roadmap toward the development of Sapienza Smart Campus <b>2016</b> ,		17
35	An alternative tool for the energy evaluation and the management of thermal networks: The exergy analysis <b>2016</b> ,		2
34	Outdoor work and solar radiation exposure: Evaluation method for epidemiological studies. <i>Medycyna Pracy</i> , <b>2016</b> , 67, 577-587	1.3	17
33	Influence of Insulating Materials on Green Building Rating System Results. <i>Energies</i> , <b>2016</b> , 9, 712	3.1	22
32	Computational Fluid Dynamic Modelling of Thermal Periodic Stabilized Regime in Passive Buildings. <i>Sustainability</i> , <b>2016</b> , 8, 1172	3.6	0
31	Defining pedestrian's visual adaptation field under night lighting in Venice <b>2016</b> ,		2
30	<b>2016</b> ,		22
29	Adaptive control for lighting, shading and HVAC systems in near zero energy buildings <b>2016</b> ,		2
28	CFD analysis for the validation of archaeological hypotheses The indoor microclimate of ancient storage-rooms. <i>Journal of Archaeological Science</i> , <b>2016</b> , 73, 107-119	2.9	5
27	A multilevel method to assess and design the renovation and integration of Smart Cities. <i>Sustainable Cities and Society</i> , <b>2015</b> , 15, 105-119	10.1	120
26	An approach to the development of an advanced solution for smart monitoring applications <b>2015</b> ,		2

25	Dynamic roadways and in-vehicle lighting conditions for determining mesopic adaptation luminance <b>2015</b> ,		2
24	A territorial based strategy for the distribution of sensor networks in smart cities <b>2015</b> ,		7
23	A novel approach to CFD analysis of the urban environment. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 655, 012013	0.3	6
22	Evaluation of Different Urban Microclimate Mitigation Strategies through a PMV Analysis. <i>Sustainability</i> , <b>2015</b> , 7, 9012-9030	3.6	58
21	A Methodological Comparison between Energy and Environmental Performance Evaluation. <i>Sustainability</i> , <b>2015</b> , 7, 10324-10342	3.6	26
20	Methodological Approach to the Energy Analysis of Unconstrained Historical Buildings. <i>Sustainability</i> , <b>2015</b> , 7, 10428-10444	3.6	23
19	A Method to Evaluate the Stimulation of a Real World Field of View by Means of a Spectroradiometric Analysis. <i>Sustainability</i> , <b>2015</b> , 7, 14964-14981	3.6	5
18	Urban Lighting Project for a Small Town: Comparing Citizens and Authority Benefits. <i>Sustainability</i> , <b>2015</b> , 7, 14230-14244	3.6	16
17	Retrofitting the Electric Lighting and Daylighting Systems to Reduce Energy Use in Buildings: A Literature Review. <i>Energy Research Journal</i> , <b>2015</b> , 6, 25-41	0.4	27
16	The architecture of warehouses: A multidisciplinary study on thermal performances of Portus[] roman store buildings. <i>Journal of Cultural Heritage</i> , <b>2015</b> , 16, 560-566	2.9	19
15	Carbon and ecological footprints: tools for measuring the sustainability of the Institute of Engineering at the UABC, Mexicali, BC, Mexico <b>2015</b> ,		2
14	A new conceptual design approach for habitative space modules. <i>Acta Astronautica</i> , <b>2014</b> , 97, 1-8	2.9	5
13	Effects of new light sources on task switching and mental rotation performance. <i>Journal of Environmental Psychology</i> , <b>2014</b> , 39, 92-100	6.7	52
12	A qualitative method for combining thermal imprints to emerging weak points of ancient wall structures by passive infrared thermography [A case study. <i>Journal of Cultural Heritage</i> , <b>2014</b> , 15, 199-202]	2.9	41
11	Preventive thermographic diagnosis of historical buildings for consolidation. <i>Journal of Cultural Heritage</i> , <b>2013</b> , 14, 116-121	2.9	63
10	Evaluation of historical museum interior lighting system using fully immersive virtual luminous environment <b>2013</b> ,		1
9	From radiometry to circadian photometry: A theoretical approach. <i>Building and Environment</i> , <b>2013</b> , 62, 63-68	6.5	18
8	Lighting in indoor environments: Visual and non-visual effects of light sources with different spectral power distributions. <i>Building and Environment</i> , <b>2011</b> , 46, 1984-1992	6.5	136

7	Acoustical Evolution of the Roman Theatre of Ostia. <i>Building Acoustics</i> , <b>2008</b> , 15, 153-167	1	4
6	Saving energy in residential buildings: The use of fully reversible windows. <i>Energy</i> , <b>2007</b> , 32, 1235-1247	7.9	36
5	Daylighting with external shading devices: design and simulation algorithms. <i>Building and Environment</i> , <b>2006</b> , 41, 136-149	6.5	40
4	A model study of light control systems operating with Electrochromic Windows. <i>Lighting Research and Technology</i> , <b>2005</b> , 37, 3-19	2	14
3	Climate models for the assessment of office buildings energy performance. <i>Building and Environment</i> , <b>2004</b> , 39, 39-50	6.5	28
2	Visual and energy management of electrochromic windows in Mediterranean climate. <i>Building and Environment</i> , <b>2003</b> , 38, 479-492	6.5	47
1	Meteorological days for HVAC system design in Mediterranean climate. <i>Building and Environment</i> , <b>2003</b> , 38, 1063-1074	6.5	6