Fabio Bisegna

List of Publications by Citations

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	Critical review and methodological approach to evaluate the differences among international green building rating tools. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 950-960	16.2	140
59	Lighting in indoor environments: Visual and non-visual effects of light sources with different spectral power distributions. *Building and Environment*, **2011**, 46, 1984-1992	6.5	136
58	A multilevel method to assess and design the renovation and integration of Smart Cities. *Sustainable Cities and Society*, **2015**, 15, 105-119	10.1	120
57	Preventive thermographic diagnosis of historical buildings for consolidation. *Journal of Cultural Heritage*, **2013**, 14, 116-121	2.9	63
56	Evaluation of Different Urban Microclimate Mitigation Strategies through a PMV Analysis. *Sustainability*, **2015**, 7, 9012-9030	3.6	58
55	Effects of new light sources on task switching and mental rotation performance. *Journal of Environmental Psychology*, **2014**, 39, 92-100	6.7	52
54	Visual and energy management of electrochromic windows in Mediterranean climate. *Building and Environment*, **2003**, 38, 479-492	6.5	47
53	A qualitative method for combining thermal imprints to emerging weak points of ancient wall structures by passive infrared thermography A case study. *Journal of Cultural Heritage*, **2014**, 15, 199-202	2.9	41
52	Daylighting with external shading devices: design and simulation algorithms. *Building and Environment*, **2006**, 41, 136-149	6.5	40
51	A novel composite neural network based method for wind and solar power forecasting in microgrids. *Applied Energy*, **2019**, 251, 113353	10.7	36
50	Saving energy in residential buildings: The use of fully reversible windows. *Energy*, **2007**, 32, 1235-1247	7.9	36
49	Climate models for the assessment of office buildings energy performance. *Building and Environment*, **2004**, 39, 39-50	6.5	28
48	Retrofitting the Electric Lighting and Daylighting Systems to Reduce Energy Use in Buildings: A Literature Review. *Energy Research Journal*, **2015**, 6, 25-41	0.4	27
47	Renewable Energies Generation and Carbon Dioxide Emission Forecasting in Microgrids and National Grids using GRNN-GWO Methodology. *Energy Procedia*, **2019**, 159, 154-159	2.3	26
46	A Methodological Comparison between Energy and Environmental Performance Evaluation. *Sustainability*, **2015**, 7, 10324-10342	3.6	26
45	Methodological Approach to the Energy Analysis of Unconstrained Historical Buildings. *Sustainability*, **2015**, 7, 10428-10444	3.6	23
44	Influence of Insulating Materials on Green Building Rating System Results. *Energies*, **2016**, 9, 712	3.1	22

43	**2016**,		22
42	Occupational Exposure to Solar UV Radiation of a Group of Fishermen Working in the Italian North Adriatic Sea. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	19
41	The architecture of warehouses: A multidisciplinary study on thermal performances of Portus roman store buildings. *Journal of Cultural Heritage*, **2015**, 16, 560-566	2.9	19
40	From radiometry to circadian photometry: A theoretical approach. *Building and Environment*, **2013**, 62, 63-68	6.5	18
39	A roadmap toward the development of Sapienza Smart Campus **2016**,		17
38	Outdoor work and solar radiation exposure: Evaluation method for epidemiological studies. *Medycyna Pracy*, **2016**, 67, 577-587	1.3	17
37	Urban Lighting Project for a Small Town: Comparing Citizens and Authority Benefits. *Sustainability*, **2015**, 7, 14230-14244	3.6	16
36	Emotional evaluation of lighting in university classrooms: A preliminary study. *Frontiers of Architectural Research*, **2018**, 7, 600-609	2.3	16
35	A step towards the optimization of the indoor luminous environment by genetic algorithms. *Indoor and Built Environment*, **2017**, 26, 590-607	1.8	15
34	Towards the development of a smart district: The application of an holistic planning approach. *Sustainable Cities and Society*, **2019**, 48, 101570	10.1	14
33	A model study of light control systems operating with Electrochromic Windows. *Lighting Research and Technology*, **2005**, 37, 3-19	2	14
32	Affective evaluation of the luminous environment in university classrooms. *Journal of Environmental Psychology*, **2018**, 58, 52-62	6.7	12
31	Evaluation of atomic oxygen effects on nano-coated carbon-carbon structures for re-entry applications. *Acta Astronautica*, **2019**, 161, 276-282	2.9	11
30	Cold LED lighting affects visual but not acoustic vigilance. *Building and Environment*, **2019**, 151, 148-155	6.5	11
29	On the use of phase change materials applied on cork-coconut-cork panels. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 4061-4090	4.1	10
28	The Impact of Spectral Composition of White LEDs on Spinach (Spinacia oleracea) Growth and Development. *Energies*, **2017**, 10, 1383	3.1	9
27	A territorial based strategy for the distribution of sensor networks in smart cities **2015**,		7
26	Planning smart cities: Comparison of two quantitative multicriteria methods applied to real case studies. *Sustainable Cities and Society*, **2020**, 60, 102249	10.1	7

25	Sun Exposure of Body Districts: Development and Validation of an Algorithm to Predict the Erythemal Ultra Violet Dose. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	6
24	A novel approach to CFD analysis of the urban environment. *Journal of Physics: Conference Series*, **2015**, 655, 012013	0.3	6
23	Meteorological days for HVAC system design in Mediterranean climate. *Building and Environment*, **2003**, 38, 1063-1074	6.5	6
22	On the Validity of Daylight Factor for Evaluating the Energy Performance of Building **2018**,		6
21	A new conceptual design approach for habitative space modules. *Acta Astronautica*, **2014**, 97, 1-8	2.9	5
20	A Method to Evaluate the Stimulation of a Real World Field of View by Means of a Spectroradiometric Analysis. *Sustainability*, **2015**, 7, 14964-14981	3.6	5
19	CFD analysis for the validation of archaeological hypotheses The indoor microclimate of ancient storage-rooms. *Journal of Archaeological Science*, **2016**, 73, 107-119	2.9	5
18	Use of smartphone apps to monitor human exposure to solar radiation: Comparison between predicted and measured UV index values. *Environmental Research*, **2020**, 183, 109274	7.9	4
17	Acoustical Evolution of the Roman Theatre of Ostia. *Building Acoustics*, **2008**, 15, 153-167	1	4
16	An approach to the development of an advanced solution for smart monitoring applications **2015**,		2
15	Dynamic roadways and in-vehicle lighting conditions for determining mesopic adaptation luminance **2015**,		2
14	An alternative tool for the energy evaluation and the management of thermal networks: The exergy analysis **2016**,		2
13	Computing methods for resilience: evaluating new building components in the frame of SECAPs **2019**,		2
12	The pedestrian's perspective: How do illuminance variations affect reassurance? **2017**,		2
11	Carbon and ecological footprints: tools for measuring the sustainability of the Institute of Engineering at the UABC, Mexicali, BC, Mexico **2015**,		2
10	Defining pedestrian's visual adaptation field under night lighting in Venice **2016**,		2
9	Adaptive control for lighting, shading and HVAC systems in near zero energy buildings **2016**,		2
8	Evaluation of historical museum interior lighting system using fully immersive virtual luminous environment **2013**,		1

7	Sapienza smart campus: From the matrix approach to the applicative analysis of an optimized garbage collection system **2017**,		1
6	On the Built-Environment Quality in Nearly Zero-Energy Renovated Schools: Assessment and Impact of Passive Strategies. *Energies*, **2021**, 14, 2799	3.1	1
5	The impact of humidity on vortex creation around isolated buildings. *Building Research and Information*, **2020**, 48, 551-571	4.3	1
4	A Round Robin Test on the dynamic simulation and the LEED protocol evaluation of a green building. *Sustainable Cities and Society*, **2022**, 78, 103654	10.1	0
3	Computational Fluid Dynamic Modelling of Thermal Periodic Stabilized Regime in Passive Buildings. *Sustainability*, **2016**, 8, 1172	3.6	0
2	Influence of LCA procedure on the green building rating tools outcomes. *IOP Conference Series: Materials Science and Engineering*, **2019**, 609, 072044	0.4	0
1	Environmental parameters assessment of a new diffuser for air cooling/heating system: Measurements and numerical validation. *Building Simulation*, **2022**, 15, 1111-1132	3.9	0