

Gabriele GI Lobaccaro

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.

33
papers

735
citations

16
h-index

27
g-index

34
ext. papers

942
ext. citations

5.6
avg, IF

4.73
L-index

#	Paper	IF	Citations
33	A Review of Systems and Technologies for Smart Homes and Smart Grids. <i>Energies</i> , 2016 , 9, 348	3.1	141
32	Comparative analysis of green actions to improve outdoor thermal comfort inside typical urban street canyons. <i>Urban Climate</i> , 2015 , 14, 251-267	6.8	94
31	Parametric design to minimize the embodied GHG emissions in a ZEB. <i>Energy and Buildings</i> , 2018 , 167, 106-123	7	51
30	A cross-country perspective on solar energy in urban planning: Lessons learned from international case studies. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 108, 209-237	16.2	49
29	Solar Energy in Urban Environment: How Urban Densification Affects Existing Buildings. <i>Energy Procedia</i> , 2014 , 48, 1559-1569	2.3	44
28	A methodology to improve the performance of PV integrated shading devices using multi-objective optimization. <i>Applied Energy</i> , 2019 , 247, 731-744	10.7	42
27	Boosting solar accessibility and potential of urban districts in the Nordic climate: A case study in Trondheim. <i>Solar Energy</i> , 2017 , 149, 347-369	6.8	39
26	Optimization of Solar Energy Potential for Buildings in Urban Areas [A Norwegian Case Study]. <i>Energy Procedia</i> , 2014 , 58, 166-171	2.3	24
25	Modelling of double skin facades in whole-building energy simulation tools: A review of current practices and possibilities for future developments. <i>Building Simulation</i> , 2019 , 12, 3-27	3.9	23
24	The effect of spatial and temporal randomness of stochastically generated occupancy schedules on the energy performance of a multiresidential building. <i>Energy and Buildings</i> , 2016 , 127, 279-300	7	21
23	An inverse approach to identify selective angular properties of retro-reflective materials for urban heat island mitigation. <i>Solar Energy</i> , 2018 , 176, 194-210	6.8	21
22	A Methodological Analysis Approach to Assess Solar Energy Potential at the Neighborhood Scale. <i>Energies</i> , 2019 , 12, 3554	3.1	20
21	Effects of Orientations, Aspect Ratios, Pavement Materials and Vegetation Elements on Thermal Stress inside Typical Urban Canyons. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	19
20	Balancing competing parameters in search of optimal configurations for a fix louvre blade system with integrated PV. <i>Energy Procedia</i> , 2017 , 122, 607-612	2.3	16
19	A holistic approach to assess the exploitation of renewable energy sources for design interventions in the early design phases. <i>Energy and Buildings</i> , 2018 , 175, 235-256	7	16
18	Exploiting selective angular properties of retro-reflective coatings to mitigate solar irradiation within the urban canyon. <i>Solar Energy</i> , 2019 , 189, 74-85	6.8	16
17	District Geometry Simulation: A Study for the Optimization of Solar Façades in Urban Canopy Layers. <i>Energy Procedia</i> , 2012 , 30, 1163-1172	2.3	16

16	Digital and physical models for the validation of sustainable design strategies. <i>Automation in Construction</i> , 2014 , 39, 1-14	9.6	14
15	SolarPW: A New Solar Design Tool to Exploit Solar Potential in Existing Urban Areas. <i>Energy Procedia</i> , 2012 , 30, 1173-1183	2.3	13
14	Intermediaries for knowledge transfer in integrated energy planning of urban districts. <i>Technological Forecasting and Social Change</i> , 2019 , 142, 354-363	9.5	13
13	Development and validation of a Monte Carlo-based numerical model for solar analyses in urban canyon configurations. <i>Building and Environment</i> , 2020 , 170, 106638	6.5	9
12	Effects of retro-reflective and angular-selective retro-reflective materials on solar energy in urban canyons. <i>Solar Energy</i> , 2020 , 209, 662-673	6.8	6
11	Parametric Design to Maximize Solar Irradiation and Minimize the Embodied GHG Emissions for a ZEB in Nordic and Mediterranean Climate Zones. <i>Energies</i> , 2020 , 13, 4981	3.1	6
10	Tall buildings cluster form rationalization in a Nordic climate by factoring in indoor-outdoor comfort and energy. <i>Energy and Buildings</i> , 2021 , 238, 110831	7	6
9	Photovoltaics on Landmark Buildings with Distinctive Geometries. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6696	2.6	4
8	Solar Optimization of Housing Development. <i>Energy Procedia</i> , 2016 , 91, 868-875	2.3	4
7	Solar Energy in the Nordic Built Environment: Challenges, Opportunities and Barriers. <i>Energies</i> , 2021 , 14, 8410	3.1	2
6	Applications of Models and Tools for Mesoscale and Microscale Thermal Analysis in Mid-Latitude Climate Regions: A Review. <i>Sustainability</i> , 2021 , 13, 12385	3.6	2
5	National and International Comparison of Case Studies on Solar Energy in Urban Planning 2018 ,		2
4	Solar Energy in Urban Planning: Lesson Learned and Recommendations from Six Italian Case Studies. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2950	2.6	1
3	Benefits of bifacial solar cells combined with low voltage power grids at high latitudes. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 161, 112354	16.2	1
2	Urban overheating mitigation through facades: the role of new and innovative cool coatings 2022 , 61-87		
1	Current Trajectories and New Challenges for Visual Comfort Assessment in Building Design and Operation: A Critical Review. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3018	2.6	