Gabriele Gl Lobaccaro

List of Publications by Year in Descending Order

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	Urban overheating mitigation through facades: the role of new and innovative cool coatings **2022**, 61-87		
32	Solar Energy in Urban Planning: Lesson Learned and Recommendations from Six Italian Case Studies. *Applied Sciences (Switzerland)*, **2022**, 12, 2950	2.6	1
31	Current Trajectories and New Challenges for Visual Comfort Assessment in Building Design and Operation: A Critical Review. *Applied Sciences (Switzerland)*, **2022**, 12, 3018	2.6	
30	Benefits of bifacial solar cells combined with low voltage power grids at high latitudes. *Renewable and Sustainable Energy Reviews*, **2022**, 161, 112354	16.2	1
29	Solar Energy in the Nordic Built Environment: Challenges, Opportunities and Barriers. *Energies*, **2021**, 14, 8410	3.1	2
28	Applications of Models and Tools for Mesoscale and Microscale Thermal Analysis in Mid-Latitude Climate Regions: A Review. *Sustainability*, **2021**, 13, 12385	3.6	2
27	Tall buildings cluster form rationalization in a Nordic climate by factoring in indoor-outdoor comfort and energy. *Energy and Buildings*, **2021**, 238, 110831	7	6
26	Effects of retro-reflective and angular-selective retro-reflective materials on solar energy in urban canyons. *Solar Energy*, **2020**, 209, 662-673	6.8	6
25	Development and validation of a Monte Carlo-based numerical model for solar analyses in urban canyon configurations. *Building and Environment*, **2020**, 170, 106638	6.5	9
24	Parametric Design to Maximize Solar Irradiation and Minimize the Embodied GHG Emissions for a ZEB in Nordic and Mediterranean Climate Zones. *Energies*, **2020**, 13, 4981	3.1	6
23	Photovoltaics on Landmark Buildings with Distinctive Geometries. *Applied Sciences (Switzerland)*, **2020**, 10, 6696	2.6	4
22	Modelling of double skin facades in whole-building energy simulation tools: A review of current practices and possibilities for future developments. *Building Simulation*, **2019**, 12, 3-27	3.9	23
21	A methodology to improve the performance of PV integrated shading devices using multi-objective optimization. *Applied Energy*, **2019**, 247, 731-744	10.7	42
20	A cross-country perspective on solar energy in urban planning: Lessons learned from international case studies. *Renewable and Sustainable Energy Reviews*, **2019**, 108, 209-237	16.2	49
19	Exploiting selective angular properties of retro-reflective coatings to mitigate solar irradiation within the urban canyon. *Solar Energy*, **2019**, 189, 74-85	6.8	16
18	Effects of Orientations, Aspect Ratios, Pavement Materials and Vegetation Elements on Thermal Stress inside Typical Urban Canyons. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	19
17	A Methodological Analysis Approach to Assess Solar Energy Potential at the Neighborhood Scale. *Energies*, **2019**, 12, 3554	3.1	20

List of Publications

16	Intermediaries for knowledge transfer in integrated energy planning of urban districts. *Technological Forecasting and Social Change*, **2019**, 142, 354-363	9.5	13
15	Parametric design to minimize the embodied GHG emissions in a ZEB. *Energy and Buildings*, **2018**, 167, 106-123	7	51
14	A holistic approach to assess the exploitation of renewable energy sources for design interventions in the early design phases. *Energy and Buildings*, **2018**, 175, 235-256	7	16
13	National and International Comparison of Case Studies on Solar Energy in Urban Planning **2018**,		2
12	An inverse approach to identify selective angular properties of retro-reflective materials for urban heat island mitigation. *Solar Energy*, **2018**, 176, 194-210	6.8	21
11	Boosting solar accessibility and potential of urban districts in the Nordic climate: A case study in Trondheim. *Solar Energy*, **2017**, 149, 347-369	6.8	39
10	Balancing competing parameters in search of optimal configurations for a fix louvre blade system with integrated PV. *Energy Procedia*, **2017**, 122, 607-612	2.3	16
9	The effect of spatial and temporal randomness of stochastically generated occupancy schedules on the energy performance of a multiresidential building. *Energy and Buildings*, **2016**, 127, 279-300	7	21
8	A Review of Systems and Technologies for Smart Homes and Smart Grids. *Energies*, **2016**, 9, 348	3.1	141
7	Solar Optimization of Housing Development. *Energy Procedia*, **2016**, 91, 868-875	2.3	4
6	Comparative analysis of green actions to improve outdoor thermal comfort inside typical urban street canyons. *Urban Climate*, **2015**, 14, 251-267	6.8	94
5	Solar Energy in Urban Environment: How Urban Densification Affects Existing Buildings. *Energy Procedia*, **2014**, 48, 1559-1569	2.3	44
4	Digital and physical models for the validation of sustainable design strategies. *Automation in Construction*, **2014**, 39, 1-14	9.6	14
3	Optimization of Solar Energy Potential for Buildings in Urban Areas A Norwegian Case Study. *Energy Procedia*, **2014**, 58, 166-171	2.3	24
2	District Geometry Simulation: A Study for the Optimization of Solar Fades in Urban Canopy Layers. *Energy Procedia*, **2012**, 30, 1163-1172	2.3	16
1	SolarPW: A New Solar Design Tool to Exploit Solar Potential in Existing Urban Areas. *Energy Procedia*, **2012**, 30, 1173-1183	2.3	13