

Gabriele GI Lobaccaro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7948653/publications.pdf>

Version: 2024-02-01

32
papers

1,209
citations

393982

19
h-index

433756

31
g-index

34
all docs

34
docs citations

34
times ranked

1133
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Systems and Technologies for Smart Homes and Smart Grids. <i>Energies</i> , 2016, 9, 348.	1.6	209
2	Comparative analysis of green actions to improve outdoor thermal comfort inside typical urban street canyons. <i>Urban Climate</i> , 2015, 14, 251-267.	2.4	131
3	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.	8.2	82
4	Parametric design to minimize the embodied GHG emissions in a ZEB. <i>Energy and Buildings</i> , 2018, 167, 106-123.	3.1	81
5	A methodology to improve the performance of PV integrated shading devices using multi-objective optimization. <i>Applied Energy</i> , 2019, 247, 731-744.	5.1	78
6	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.	2.9	66
7	Solar Energy in Urban Environment: How Urban Densification Affects Existing Buildings. <i>Energy Procedia</i> , 2014, 48, 1559-1569.	1.8	64
8	A Methodological Analysis Approach to Assess Solar Energy Potential at the Neighborhood Scale. <i>Energies</i> , 2019, 12, 3554.	1.6	45
9	Optimization of Solar Energy Potential for Buildings in Urban Areas – A Norwegian Case Study. <i>Energy Procedia</i> , 2014, 58, 166-171.	1.8	32
10	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.	3.0	32
11	Benefits of bifacial solar cells combined with low voltage power grids at high latitudes. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112354.	8.2	32
12	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, 3574.	1.2	31
13	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.	2.9	27
14	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.	3.1	26
15	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.	1.8	25
16	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.	3.1	25
17	Intermediaries for knowledge transfer in integrated energy planning of urban districts. <i>Technological Forecasting and Social Change</i> , 2019, 142, 354-363.	6.2	24
18	District Geometry Simulation: A Study for the Optimization of Solar Façades in Urban Canopy Layers. <i>Energy Procedia</i> , 2012, 30, 1163-1172.	1.8	22

#	ARTICLE	IF	CITATIONS
19	Exploiting selective angular properties of retro-reflective coatings to mitigate solar irradiation within the urban canyon. <i>Solar Energy</i> , 2019, 189, 74-85.	2.9	20
20	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.	3.1	20
21	SolarPW: A New Solar Design Tool to Exploit Solar Potential in Existing Urban Areas. <i>Energy Procedia</i> , 2012, 30, 1173-1183.	1.8	19
22	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.	1.6	19
23	Digital and physical models for the validation of sustainable design strategies. <i>Automation in Construction</i> , 2014, 39, 1-14.	4.8	15
24	Solar Energy in the Nordic Built Environment: Challenges, Opportunities and Barriers. <i>Energies</i> , 2021, 14, 8410.	1.6	14
25	Photovoltaics on Landmark Buildings with Distinctive Geometries. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6696.	1.3	13
26	Solar Optimization of Housing Development. <i>Energy Procedia</i> , 2016, 91, 868-875.	1.8	12
27	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.	3.0	12
28	Solar Energy in Urban Planning: Lesson Learned and Recommendations from Six Italian Case Studies. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2950.	1.3	11
29	Effects of retro-reflective and angular-selective retro-reflective materials on solar energy in urban canyons. <i>Solar Energy</i> , 2020, 209, 662-673.	2.9	10
30	Applications of Models and Tools for Mesoscale and Microscale Thermal Analysis in Mid-Latitude Climate Regions—A Review. <i>Sustainability</i> , 2021, 13, 12385.	1.6	6
31	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.	1.3	3
32	Urban overheating mitigation through facades: the role of new and innovative cool coatings. , 2022, , 61-87.		1