

# Michelangelo Scorpio

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

480  
citations

687363

13  
h-index

713466

21  
g-index

38  
all docs

38  
docs citations

38  
times ranked

357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Building-integrated trigeneration system: Energy, environmental and economic dynamic performance assessment for Italian residential applications. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 920-933.	16.4	41
2	Dynamic performance assessment of a residential building-integrated cogeneration system under different boundary conditions. Part I: Energy analysis. <i>Energy Conversion and Management</i> , 2014, 79, 731-748.	9.2	39
3	Virtual Reality for Smart Urban Lighting Design: Review, Applications and Opportunities. <i>Energies</i> , 2020, 13, 3809.	3.1	36
4	Impact of seasonal thermal energy storage design on the dynamic performance of a solar heating system serving a small-scale Italian district composed of residential and school buildings. <i>Journal of Energy Storage</i> , 2019, 25, 100889.	8.1	33
5	Dynamic performance assessment of a residential building-integrated cogeneration system under different boundary conditions. Part II: Environmental and economic analyses. <i>Energy Conversion and Management</i> , 2014, 79, 749-770.	9.2	28
6	Impact of solar field design and back-up technology on dynamic performance of a solar hybrid heating network integrated with a seasonal borehole thermal energy storage serving a small-scale residential district including plug-in electric vehicles. <i>Renewable Energy</i> , 2020, 154, 684-703.	8.9	28
7	A Review of Electrochromic Windows for Residential Applications. <i>International Journal of Heat and Technology</i> , 2016, 34, S481-S488.	0.6	28
8	Experimental analysis of a micro-trigeneration system composed of a micro-cogenerator coupled with an electric chiller. <i>Applied Thermal Engineering</i> , 2014, 73, 1309-1322.	6.0	21
9	Retrofitting Solutions for Energy Saving in a Historical Building Lighting System. <i>Energy Procedia</i> , 2015, 78, 2669-2674.	1.8	21
10	Energy and Economic Evaluation of Retrofit Actions on an Existing Historical Building in the South of Italy by Using a Dynamic Simulation Software. <i>Energy Procedia</i> , 2015, 78, 741-746.	1.8	18
11	Thermal model validation of an electric-driven smart window through experimental data and evaluation of the impact on a case study. <i>Building and Environment</i> , 2020, 181, 107134.	6.9	16
12	Electric-driven windows for historical buildings retrofit: Energy and visual sensitivity analysis for different control logics. <i>Journal of Building Engineering</i> , 2020, 31, 101398.	3.4	16
13	An Investigation of the Influence of the Night Lighting in a Urban Park on Individuals's Emotions. <i>Sustainability</i> , 2022, 14, 8556.	3.2	16
14	Energy, environmental and economic dynamic assessment of a solar hybrid heating network operating with a seasonal thermal energy storage serving an Italian small-scale residential district: Influence of solar and back-up technologies. <i>Thermal Science and Engineering Progress</i> , 2020, 19, 100591.	2.7	14
15	A calibration methodology for light sources aimed at using immersive virtual reality game engine as a tool for lighting design in buildings. <i>Journal of Building Engineering</i> , 2022, 48, 103998.	3.4	13
16	Lighting conditions in home office and occupant's perception: Exploring drivers of satisfaction. <i>Energy and Buildings</i> , 2022, 261, 111977.	6.7	12
17	Evaluation of integrated daylighting and electric lighting design projects: Lessons learned from international case studies. <i>Energy and Buildings</i> , 2022, 268, 112191.	6.7	12
18	Effectiveness of low-cost non-invasive solutions for daylight and electric lighting integration to improve energy efficiency in historical buildings. <i>Energy and Buildings</i> , 2022, 270, 112281.	6.7	11

#	ARTICLE	IF	CITATIONS
19	Energy Performances Assessment of Extruded and 3D Printed Polymers Integrated into Building Envelopes for a South Italian Case Study. <i>Buildings</i> , 2021, 11, 141.	3.1	10
20	Energy performance of PVC-Coated polyester fabric as novel material for the building envelope: Model validation and a refurbishment case study. <i>Journal of Building Engineering</i> , 2021, 41, 102437.	3.4	9
21	Passive Strategies for Building Retrofitting: Performances Analysis and Incentive Policies for the Iranian Scenario. <i>Energies</i> , 2022, 15, 1628.	3.1	9
22	Energy, Environmental and Economic Dynamic Simulation of a Micro-Cogeneration System Serving an Italian Multi-Family House. <i>Energy Procedia</i> , 2015, 78, 1141-1146.	1.8	8
23	Daylighting Contribution for Energy Saving in a Historical Building. <i>Energy Procedia</i> , 2015, 78, 1257-1262.	1.8	8
24	Integration of Micro-Cogeneration Units and Electric Storages into a Micro-Scale Residential Solar District Heating System Operating with a Seasonal Thermal Storage. <i>Energies</i> , 2020, 13, 5456.	3.1	8
25	A Review of Electrochromic Windows for Residential Applications. <i>International Journal of Heat and Technology</i> , 2016, 34, S481-S488.	0.6	8
26	Energy performance of a residential building-integrated micro-cogeneration system upon varying thermal load and control logic. <i>International Journal of Low-Carbon Technologies</i> , 2013, , ctt075.	2.6	5
27	Dynamic simulation of a solar heating and cooling system including a seasonal storage serving a small Italian residential district. <i>Thermal Science</i> , 2020, 24, 3555-3568.	1.1	4
28	Auditory and visual impact of split systems on the façade of historical buildings. <i>Applied Acoustics</i> , 2021, 178, 107997.	3.3	3
29	Immersive virtual reality as a tool for lighting design: applications and opportunities. <i>Journal of Physics: Conference Series</i> , 2021, 2042, 012125.	0.4	3
30	Improving the Passive Energy Performance of the Buildings' Envelope in the Southern European Area: A Study on the Integration of a Tensile Material. <i>Tecnica Italiana</i> , 2021, 65, 345-352.	0.2	1
31	Low-cost smart solutions for daylight and electric lighting integration in historical buildings. <i>Journal of Physics: Conference Series</i> , 2021, 2069, 012157.	0.4	1
32	Influence of Climatic Conditions on Dynamic Performance of Solar Hybrid Heating and Cooling Systems Integrating Seasonal Borehole Thermal Energy Storages: Application to School Buildings in the Campania Region of Italy. <i>Tecnica Italiana</i> , 2021, 65, 187-195.	0.2	0
33	Development of an Electric-Driven Smart Window Model for Visual Comfort Assessment. , 2018, , .		0
34	Optimal Configuration of a Solar Heating System with Seasonal Thermal Energy Storage Serving a Micro-scale Italian Residential District: Energy, Environmental and Economic Analyses. <i>Tecnica Italiana</i> , 2020, 64, 149-158.	0.2	0
35	Architectural Valorization: Lighting Design Solution for the Bell Tower of "San Pasquale a Chiaia" Church. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1203, 022082.	0.6	0
36	Lighting Solutions to Improve the Valorisation and Fruition of the Parque del Retiro in Madrid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1203, 022083.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Dynamic Performance of a Solar Hybrid Heating Network Integrated with a Micro-Cogeneration Unit Serving a Small-Scale Residential District including Electric Vehicles. , 0, , .		0
38	Double-Skin Facades With Semi-Transparent Modules For Building Retrofit Actions: Energy And Visual Performances. , 0, , .		0