Michelangelo Scorpio

List of Publications by Year
in descending order

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	A calibration methodology for light sources aimed at using immersive virtual reality game engine as a tool for lighting design in buildings. Journal of Building Engineering, 2022, 48, 103998.	3.4	13
2	Passive Strategies for Building Retrofitting: Performances Analysis and Incentive Policies for the Iranian Scenario. Energies, 2022, 15, 1628.	3.1	9
3	Lighting conditions in home office and occupant's perception: Exploring drivers of satisfaction. Energy and Buildings, 2022, 261, 111977.	6.7	12
4	Evaluation of integrated daylighting and electric lighting design projects: Lessons learned from international case studies. Energy and Buildings, 2022, 268, 112191.	6.7	12
5	An Investigation of the Influence of the Night Lighting in a Urban Park on Individualsâ€™ Emotions. Sustainability, 2022, 14, 8556.	3.2	16
6	Effectiveness of low-cost non-invasive solutions for daylight and electric lighting integration to improve energy efficiency in historical buildings. Energy and Buildings, 2022, 270, 112281.	6.7	11
7	Energy Performances Assessment of Extruded and 3D Printed Polymers Integrated into Building Envelopes for a South Italian Case Study. Buildings, 2021, 11, 141.	3.1	10
8	Auditory and visual impact of split systems on the faÃ§ade of historical buildings. Applied Acoustics, 2021, 178, 107997.	3.3	3
9	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. Tecnica Italiana, 2021, 65, 187-195.	0.2	0
10	Improving the Passive Energy Performance of the Buildingsâ€™ Envelope in the Southern European Area: A Study on the Integration of a Tensile Material. Tecnica Italiana, 2021, 65, 345-352.	0.2	1
11	Energy performance of PVC-Coated polyester fabric as novel material for the building envelope: Model validation and a refurbishment case study. Journal of Building Engineering, 2021, 41, 102437.	3.4	9
12	Low-cost smart solutions for daylight and electric lighting integration in historical buildings. Journal of Physics: Conference Series, 2021, 2069, 012157.	0.4	1
13	Architectural Valorization: Lighting Design Solution for the Bell Tower of â€œSan Pasquale a Chiaiaâ€• Church. IOP Conference Series: Materials Science and Engineering, 2021, 1203, 022082.	0.6	0
14	Immersive virtual reality as a tool for lighting design: applications and opportunities. Journal of Physics: Conference Series, 2021, 2042, 012125.	0.4	3
15	Lighting Solutions to Improve the Valorisation and Fruition of the Parque del Retiro in Madrid. IOP Conference Series: Materials Science and Engineering, 2021, 1203, 022083.	0.6	0
16	Thermal model validation of an electric-driven smart window through experimental data and evaluation of the impact on a case study. Building and Environment, 2020, 181, 107134.	6.9	16
17	Virtual Reality for Smart Urban Lighting Design: Review, Applications and Opportunities. Energies, 2020, 13, 3809.	3.1	36
18	Integration of Micro-Cogeneration Units and Electric Storages into a Micro-Scale Residential Solar District Heating System Operating with a Seasonal Thermal Storage. Energies, 2020, 13, 5456.	3.1	8

#	Article	IF	Citations
19	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. Thermal Science and Engineering Progress, 2020, 19, 100591.	2.7	14
20	Electric-driven windows for historical buildings retrofit: Energy and visual sensitivity analysis for different control logics. Journal of Building Engineering, 2020, 31, 101398.	3.4	16
21	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. Renewable Energy, 2020, 154, 684-703.	8.9	28
22	Optimal Configuration of a Solar Heating System with Seasonal Thermal Energy Storage Serving a Micro-scale Italian Residential District: Energy, Environmental and Economic Analyses. Tecnica Italiana, 2020, 64, 149-158.	0.2	0
23	Dynamic simulation of a solar heating and cooling system including a seasonal storage serving a small Italian residential district. Thermal Science, 2020, 24, 3555-3568.	1.1	4
24	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. Journal of Energy Storage, 2019, 25, 100889.	8.1	33
25	Development of an Electric-Driven Smart Window Model for Visual Comfort Assessment. , 2018, , .		0
26	Building-integrated trigeneration system: Energy, environmental and economic dynamic performance assessment for Italian residential applications. Renewable and Sustainable Energy Reviews, 2017, 68, 920-933.	16.4	41
27	A Review of Electrochromic Windows for Residential Applications. International Journal of Heat and Technology, 2016, 34, S481-S488.	0.6	28
28	A Review of Electrochromic Windows for Residential Applications. International Journal of Heat and Technology, 2016, 34, S481-S488.	0.6	8
29	Energy, Environmental and Economic Dynamic Simulation of a Micro-Cogeneration System Serving an Italian Multi-Family House. Energy Procedia, 2015, 78, 1141-1146.	1.8	8
30	Retrofitting Solutions for Energy Saving in a Historical Building Lighting System. Energy Procedia, 2015, 78, 2669-2674.	1.8	21
31	Daylighting Contribution for Energy Saving in a Historical Building. Energy Procedia, 2015, 78, 1257-1262.	1.8	8
32	Energy and Economic Evaluation of Retrofit Actions on an Existing Historical Building in the South of Italy by Using a Dynamic Simulation Software. Energy Procedia, 2015, 78, 741-746.	1.8	18
33	Dynamic performance assessment of a residential building-integrated cogeneration system under different boundary conditions. Part II: Environmental and economic analyses. Energy Conversion and Management, 2014, 79, 749-770.	9.2	28
34	Dynamic performance assessment of a residential building-integrated cogeneration system under different boundary conditions. Part I: Energy analysis. Energy Conversion and Management, 2014, 79, 731-748.	9.2	39
35	Experimental analysis of a micro-trigeneration system composed of a micro-cogenerator coupled with an electric chiller. Applied Thermal Engineering, 2014, 73, 1309-1322.	6.0	21
36	Energy performance of a residential building-integrated micro-cogeneration system upon varying thermal load and control logic. International Journal of Low-Carbon Technologies, 2013, , ctt075.	2.6	5

#	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