

Tullio de Rubeis

List of Publications by Citations

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Version: 2024-04-25

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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.

36
papers

587
citations

13
h-index

23
g-index

42
ext. papers

774
ext. citations

3.8
avg, IF

4.4
L-index

#	Paper	IF	Citations
36	Data-driven model predictive control using random forests for building energy optimization and climate control. <i>Applied Energy</i> , 2018 , 226, 1252-1272	10.7	126
35	Quantification of heat energy losses through the building envelope: A state-of-the-art analysis with critical and comprehensive review on infrared thermography. <i>Building and Environment</i> , 2018 , 146, 190-203	6.5	83
34	U-value assessment by infrared thermography: A comparison of different calculation methods in a Guarded Hot Box. <i>Energy and Buildings</i> , 2016 , 122, 211-221	7	62
33	A comparison between thermographic and flow-meter methods for the evaluation of thermal transmittance of different wall constructions. <i>Journal of Physics: Conference Series</i> , 2015 , 655, 012007	0.3	29
32	A first approach to universal daylight and occupancy control system for any lamps: Simulated case in an academic classroom. <i>Energy and Buildings</i> , 2017 , 152, 24-39	7	28
31	Multi-year consumption analysis and innovative energy perspectives: The case study of Leonardo da Vinci International Airport of Rome. <i>Energy Conversion and Management</i> , 2016 , 128, 261-272	10.6	24
30	Room and window geometry influence for daylight harvesting maximization [Effects on energy savings in an academic classroom. <i>Energy Procedia</i> , 2018 , 148, 1090-1097	2.3	23
29	Is a self-sufficient building energy efficient? Lesson learned from a case study in Mediterranean climate. <i>Applied Energy</i> , 2018 , 218, 131-145	10.7	22
28	A New Simplified Five-Parameter Estimation Method for Single-Diode Model of Photovoltaic Panels. <i>Energies</i> , 2019 , 12, 4271	3.1	21
27	The restoration of severely damaged churches [Implications and opportunities on cultural heritage conservation, thermal comfort and energy efficiency. <i>Journal of Cultural Heritage</i> , 2020 , 43, 186-203	2.9	20
26	The energy efficiency challenge for a historical building undergone to seismic and energy refurbishment. <i>Energy Procedia</i> , 2017 , 133, 231-242	2.3	19
25	Sensitivity of heating performance of an energy self-sufficient building to climate zone, climate change and HVAC system solutions. <i>Sustainable Cities and Society</i> , 2020 , 61, 102300	10.1	16
24	Structural Health Monitoring: An IoT Sensor System for Structural Damage Indicator Evaluation. <i>Sensors</i> , 2020 , 20,	3.8	16
23	A proposal of a new material for greenhouses on the basis of numerical, optical, thermal and mechanical approaches. <i>Construction and Building Materials</i> , 2017 , 155, 332-347	6.7	12
22	Development of a low-cost temperature data monitoring. An upgrade for hot box apparatus. <i>Journal of Physics: Conference Series</i> , 2017 , 923, 012039	0.3	11
21	Validation of quantitative IR thermography for estimating the U-value by a hot box apparatus. <i>Journal of Physics: Conference Series</i> , 2015 , 655, 012006	0.3	10
20	Modeling and Optimization of the Thermal Performance of a Wood-Cement Block in a Low-Energy House Construction. <i>Energies</i> , 2016 , 9, 677	3.1	10

19	Integrated Measuring and Control System for Thermal Analysis of Buildings Components in Hot Box Experiments. <i>Energies</i> , 2019 , 12, 2053	3.1	8
18	On Field Infrared Thermography Sensing for PV System Efficiency Assessment: Results and Comparison with Electrical Models. <i>Sensors</i> , 2020 , 20,	3.8	7
17	A Cost-Effective System for Aerial 3D Thermography of Buildings. <i>Journal of Imaging</i> , 2020 , 6,	3.1	7
16	Ageing Effects on the Thermal Performance of Two Different Well-insulated Buildings. <i>Energy Procedia</i> , 2016 , 101, 1050-1057	2.3	7
15	Energetic performance analysis of a commercial water-based photovoltaic thermal system (PV/T) under summer conditions. <i>Journal of Physics: Conference Series</i> , 2017 , 923, 012040	0.3	5
14	Influence of insulation defects on the thermal performance of walls. An experimental and numerical investigation. <i>Journal of Building Engineering</i> , 2019 , 21, 355-365	5.2	5
13	Preliminary analysis of the influence of environmental boundary conditions on convective heat transfer coefficients. <i>Journal of Physics: Conference Series</i> , 2021 , 1868, 012024	0.3	4
12	Building energy performance analysis at urban scale: A supporting tool for energy strategies and urban building energy rating identification. <i>Sustainable Cities and Society</i> , 2021 , 74, 103220	10.1	3
11	Digital Multi-Probe Temperature Monitoring System for Long-Term on Field Measurements. <i>Proceedings (mdpi)</i> , 2017 , 1, 596	0.3	2
10	Sensor monitoring system for PV plant with active load 2019 ,		1
9	The Potential of Optical Profilometry in the Study of Cultural Stone Weathering. <i>Journal of Imaging</i> , 2019 , 5,	3.1	1
8	Structural health continuous monitoring of buildings [A modal parameters identification system 2019 ,		1
7	Effects of energy efficiency measures on building performance: an analysis in seven European cities. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 609, 072076	0.4	1
6	On the influence of environmental boundary conditions on surface thermal resistance of walls: Experimental evaluation through a Guarded Hot Box. <i>Case Studies in Thermal Engineering</i> , 2022 , 34, 101915	5.6	1
5	3D-Printed Blocks: Thermal Performance Analysis and Opportunities for Insulating Materials. <i>Sustainability</i> , 2022 , 14, 1077	3.6	0
4	Spice Model of Photovoltaic Panel for Electronic System Design. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 425-431	0.2	0
3	Learning lighting models for optimal control of lighting system via experimental and numerical approach. <i>Science and Technology for the Built Environment</i> , 2020 , 1-13	1.8	
2	Energy optimization analysis of archetype public buildings [Results from SHERPA European Project. <i>E3S Web of Conferences</i> , 2021 , 312, 02007	0.5	

- 1 Influence of environmental boundary conditions on convective heat transfer coefficients of wall internal surface. *E3S Web of Conferences*, **2021**, 312, 02012 0.5