Tullio de Rubeis

List of Publications by Year
in descending order

40	952	471061 17	433756 31
papers	citations	h-index	g-index

42	42	42	899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Data-driven model predictive control using random forests for building energy optimization and climate control. Applied Energy, 2018, 226, 1252-1272.	5.1	220
2	Quantification of heat energy losses through the building envelope: A state-of-the-art analysis with critical and comprehensive review on infrared thermography. Building and Environment, 2018, 146, 190-205.	3.0	112
3	U-value assessment by infrared thermography: A comparison of different calculation methods in a Guarded Hot Box. Energy and Buildings, 2016, 122, 211-221.	3.1	78
4	A New Simplified Five-Parameter Estimation Method for Single-Diode Model of Photovoltaic Panels. Energies, 2019, 12, 4271.	1.6	55
5	A first approach to universal daylight and occupancy control system for any lamps: Simulated case in an academic classroom. Energy and Buildings, 2017, 152, 24-39.	3.1	38
6	A comparison between thermographic and flow-meter methods for the evaluation of thermal transmittance of different wall constructions. Journal of Physics: Conference Series, 2015, 655, 012007.	0.3	35
7	Multi-year consumption analysis and innovative energy perspectives: The case study of Leonardo da Vinci International Airport of Rome. Energy Conversion and Management, 2016, 128, 261-272.	4.4	33
8	Room and window geometry influence for daylight harvesting maximization â€“ Effects on energy savings in an academic classroom. Energy Procedia, 2018, 148, 1090-1097.	1.8	33
9	Structural Health Monitoring: An IoT Sensor System for Structural Damage Indicator Evaluation. Sensors, 2020, 20, 4908.	2.1	33
10	Is a self-sufficient building energy efficient? Lesson learned from a case study in Mediterranean climate. Applied Energy, 2018, 218, 131-145.	5.1	29
11	The restoration of severely damaged churches â€“ Implications and opportunities on cultural heritage conservation, thermal comfort and energy efficiency. Journal of Cultural Heritage, 2020, 43, 186-203.	1.5	29
12	Sensitivity of heating performance of an energy self-sufficient building to climate zone, climate change and HVAC system solutions. Sustainable Cities and Society, 2020, 61, 102300.	5.1	26
13	Integrated Measuring and Control System for Thermal Analysis of Buildings Components in Hot Box Experiments. Energies, 2019, 12, 2053.	1.6	25
14	The energy efficiency challenge for a historical building undergone to seismic and energy refurbishment. Energy Procedia, 2017, 133, 231-242.	1.8	22
15	Development of a low-cost temperature data monitoring. An upgrade for hot box apparatus. Journal of Physics: Conference Series, 2017, 923, 012039.	0.3	20
16	A proposal of a new material for greenhouses on the basis of numerical, optical, thermal and mechanical approaches. Construction and Building Materials, 2017, 155, 332-347.	3.2	18
17	A Cost-Effective System for Aerial 3D Thermography of Buildings. Journal of Imaging, 2020, 6, 76.	1.7	18
18	Influence of insulation defects on the thermal performance of walls. An experimental and numerical investigation. Journal of Building Engineering, 2019, 21, 355-365.	1.6	15

#	Article	IF	Citations
19	Building energy performance analysis at urban scale: A supporting tool for energy strategies and urban building energy rating identification. Sustainable Cities and Society, 2021, 74, 103220.	5.1	15
20	On Field Infrared Thermography Sensing for PV System Efficiency Assessment: Results and Comparison with Electrical Models. Sensors, 2020, 20, 1055.	2.1	14
21	Validation of quantitative IR thermography for estimating the U-value by a hot box apparatus. Journal of Physics: Conference Series, 2015, 655, 012006.	0.3	12
22	Modeling and Optimization of the Thermal Performance of a Wood-Cement Block in a Low-Energy House Construction. Energies, 2016, 9, 677.	1.6	11
23	Energetic performance analysis of a commercial water-based photovoltaic thermal system (PV/T) under summer conditions. Journal of Physics: Conference Series, 2017, 923, 012040.	0.3	11
24	3D-Printed Blocks: Thermal Performance Analysis and Opportunities for Insulating Materials. Sustainability, 2022, 14, 1077.	1.6	11
25	Ageing Effects on the Thermal Performance of Two Different Well-insulated Buildings. Energy Procedia, 2016, 101, 1050-1057.	1.8	7
26	Structural health continuous monitoring of buildings â€“ A modal parameters identification system. , 2019, , .		7
27	Preliminary analysis of the influence of environmental boundary conditions on convective heat transfer coefficients. Journal of Physics: Conference Series, 2021, 1868, 012024.	0.3	6
28	On the influence of environmental boundary conditions on surface thermal resistance of walls: Experimental evaluation through a Guarded Hot Box. Case Studies in Thermal Engineering, 2022, 34, 101915.	2.8	6
29	Digital Multi-Probe Temperature Monitoring System for Long-Term on Field Measurements. Proceedings (mdpi), 2017, 1, 596.	0.2	2
30	The Potential of Optical Profilometry in the Study of Cultural Stone Weathering. Journal of Imaging, 2019, 5, 60.	1.7	2
31	Sensor monitoring system for PV plant with active load. , 2019, , .		2
32	Towards the Design of Microcontroller Based Embedded Sensory systems with a Five-Parameter Single Diode Estimation Method for Photovoltaic Panels. , 2020, , .		2
33	Effects of energy efficiency measures on building performance: an analysis in seven European cities. IOP Conference Series: Materials Science and Engineering, 2019, 609, 072076.	0.3	1
34	Learning lighting models for optimal control of lighting system via experimental and numerical approach. Science and Technology for the Built Environment, 2021, 27, 1018-1030.	0.8	1
35	A Novel Method For Daylight Harvesting Optimization Based On Lighting Simulation And Data-Driven Optimal Control. , 0, , .		1
36	Spice Model of Photovoltaic Panel for Electronic System Design. Lecture Notes in Electrical Engineering, 2020, , 425-431.	0.3	1

#	Article	IF	Citations
37	Low cost power recovery system for PV plant under partial shading condition. , 2019, , .		0
38	Energy optimization analysis of archetype public buildings â€“ Results from SHERPA European Project. E3S Web of Conferences, 2021, 312, 02007.	0.2	0
39	Influence of environmental boundary conditions on convective heat transfer coefficients of wall internal surface. E3S Web of Conferences, 2021, 312, 02012.	0.2	0
40	How Do Temperature Differences and Stable Thermal Conditions Affect the Heat Flux Meter (HFM) Measurements of Walls? Laboratory Experimental Analysis. Energies, 2022, 15, 4746.	1.6	0