Eva Schito

List of Publications by Year
in descending order

26	410	758635 12	752256 20
papers	citations	h-index	g-index

26	26	26	401
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microclimate monitoring and conservation issues of a Baroque church in Italy: a risk assessment analysis. Building Research and Information, 2021, 49, 729-747.	2.0	6
2	A Fast Analytical Method for the Dynamic Energy Simulation of Energy Piles With Short Time Resolution. Journal of Heat Transfer, 2021, 143, .	1.2	1
3	A multi-objective methodology for evaluating the investment in building-integrated hybrid renewable energy systems. Journal of Cleaner Production, 2021, 329, 129780.	4.6	9
4	Definition of Optimal Ventilation Rates for Balancing Comfort and Energy Use in Indoor Spaces Using CO2 Concentration Data. Buildings, 2020, 10, 135.	1.4	29
5	Stochastic optimal integration of decentralized heat pumps in a smart thermal and electric micro-grid. Energy Conversion and Management, 2020, 210, 112734.	4.4	23
6	Multi-objective optimization of HVAC control in museum environment for artwork preservation, visitorsâ€™ thermal comfort and energy efficiency. Building and Environment, 2020, 180, 107018.	3.0	43
7	Multi-Objective Optimization of Off-Grid Hybrid Renewable Energy Systems in Buildings with Prior Design-Variable Screening. Energies, 2019, 12, 3026.	1.6	17
8	A procedure for identifying chemical and biological risks for books in historic libraries based on microclimate analysis. Journal of Cultural Heritage, 2019, 37, 155-165.	1.5	7
9	Data of temperature and relative humidity in a historic library in Portugal. Data in Brief, 2019, 24, 103788.	0.5	3
10	Cost-Benefit Analysis of Hybrid Photovoltaic/Thermal Collectors in a Nearly Zero-Energy Building. Energies, 2019, 12, 1582.	1.6	19
11	Synthesis and Optimal Operation of Smart Microgrids Serving a Cluster of Buildings on a Campus with Centralized and Distributed Hybrid Renewable Energy Units. Energies, 2019, 12, 745.	1.6	11
12	Thermal Characterization of Energy Pile Dynamics. Springer Series in Geomechanics and Geoengineering, 2019, , 123-131.	0.0	1
13	Model predictive control of a hybrid heat pump system and impact of the prediction horizon on cost-saving potential and optimal storage capacity. Applied Thermal Engineering, 2019, 148, 524-535.	3.0	58
14	Dynamic simulation of an air handling unit and validation through monitoring data. Energy Procedia, 2018, 148, 1206-1213.	1.8	5
15	Economic assessment of flexibility offered by an optimally controlled hybrid heat pump generator: a case study for residential building. Energy Procedia, 2018, 148, 1222-1229.	1.8	7
16	Robust microclimate control for artwork preservation in response to extreme climatic conditions: simulation of museum halls for temporary exhibitions with a validated dynamic tool. IOP Conference Series: Materials Science and Engineering, 2018, 364, 012008.	0.3	1
17	Multi-objective optimization of microclimate in museums for concurrent reduction of energy needs, visitorsâ€™ discomfort and artwork preservation risks. Applied Energy, 2018, 224, 147-159.	5.1	42
18	Integrated maps of risk assessment and minimization of multiple risks for artworks in museum environments based on microclimate control. Building and Environment, 2017, 123, 585-600.	3.0	23

#	Article	IF	Citations
19	A visitorsâ€™ presence model for a museum environment: Description and validation. Building Simulation, 2017, 10, 977-987.	3.0	5
20	A Proposal for New Microclimate Indexes for the Evaluation of Indoor Air Quality in Museums. Buildings, 2016, 6, 41.	1.4	36
21	Cost-optimal Sizing of Solar Thermal and Photovoltaic Systems for the Heating and Cooling Needs of a Nearly Zero-energy Building: Design Methodology and Model Description. Energy Procedia, 2016, 91, 517-527.	1.8	19
22	Cost-optimal Sizing of Solar Thermal and Photovoltaic Systems for the Heating and Cooling Needs of a Nearly Zero-Energy Building: The Case Study of a Farm Hostel in Italy. Energy Procedia, 2016, 91, 528-536.	1.8	18
23	Validation of Seas, a Quasi-Steady-State Tool for Building Energy Audits. Energy Procedia, 2015, 78, 3192-3197.	1.8	5
24	Building Energy Simulation by an In-house Full Transient Model for Radiant Systems Coupled to a Modulating Heat Pump. Energy Procedia, 2015, 78, 1135-1140.	1.8	12
25	On sustainable and efficient design of ground-source heat pump systems. Journal of Physics: Conference Series, 2015, 655, 012003.	0.3	8
26	Energy retrofit of an office building by substitution of the generation system: performance evaluation via dynamic simulation versus current technical standards. Journal of Physics: Conference Series, 2014, 547, 012018.	0.3	2