Massimo Fiorentini

List of Publications by Year
in descending order

19 papers	849 citations	840585 11 h-index	996849 15 g-index
19 all docs	19 docs citations	19 times ranked	801 citing authors

#	Article	IF	Citations
1	Opportunities for passive cooling to mitigate the impact of climate change in Switzerland. Building and Environment, 2022, 208, 108574.	3.0	27
2	Comparison of online and offline deep reinforcement learning with model predictive control for thermal energy management. Automation in Construction, 2022, 135, 104128.	4.8	32
3	Potential and practical management of hybrid ventilation in buildings. Energy and Buildings, 2021, 231, 110597.	3.1	31
4	Control-oriented modelling and operational optimization of a borehole thermal energy storage. Applied Thermal Engineering, 2021, 199, 117518.	3.0	9
5	Enhancing energy efficiency and comfort in buildings through model predictive control for dynamic faÃ§ades with electrochromic glazing. Journal of Building Engineering, 2021, 43, 102535.	1.6	15
6	Development of algorithms for building energy efficiency. , 2020, , 267-290.		3
7	On the impact of internal gains and comfort band on the effectiveness of building thermal zoning. Energy and Buildings, 2020, 225, 110320.	3.1	3
8	Development and evaluation of a comfort-oriented control strategy for thermal management of mixed-mode ventilated buildings. Energy and Buildings, 2019, 202, 109347.	3.1	32
9	Development of an enthalpy-based index to assess climatic potential for ventilative cooling of buildings: An Australian example. Applied Energy, 2019, 251, 113169.	5.1	7
10	Ventilative cooling potential of buildings in Australia. IOP Conference Series: Materials Science and Engineering, 2019, 609, 032052.	0.3	0
11	Optimisation framework for the operation of battery storage within solarâ€rich microgrids. IET Smart Grid, 2019, 2, 504-513.	1.5	7
12	Formulation of a model predictive control algorithm to enhance the performance of a latent heat solar thermal system. Energy Conversion and Management, 2018, 173, 438-449.	4.4	40
13	Model Predictive Control (MPC) for Enhancing Building and HVAC System Energy Efficiency: Problem Formulation, Applications and Opportunities. Energies, 2018, 11, 631.	1.6	341
14	Ventilative cooling through automated window opening control systems to address thermal discomfort risk during the summer period: Framework, simulation and parametric analysis. Energy and Buildings, 2017, 153, 18-30.	3.1	26
15	Hybrid model predictive control of a residential HVAC system with on-site thermal energy generation and storage. Applied Energy, 2017, 187, 465-479.	5.1	108
16	Hybrid Model Predictive Control of a Residential HVAC System with PVT Energy Generation and PCM Thermal Storage. Energy Procedia, 2015, 83, 21-30.	1.8	35
17	Development and optimization of an innovative HVAC system with integrated PVT and PCM thermal storage for a net-zero energy retrofitted house. Energy and Buildings, 2015, 94, 21-32.	3.1	131
18	System Identification of a Floating Oscillating Water Column Wave Energy Converter. , 2011, , .		1

#	Article	IF	Citations
19	Benchmarking thermal performance of buildings and identifying preferred thermal conditions with highly deployable IoT devices. IOP Conference Series: Materials Science and Engineering, 0, 609, 042104.	0.3	1