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	Model Predictive Control (MPC) for Enhancing Building and HVAC System Energy Efficiency: Problem Formulation, Applications and Opportunities. Energies, 2018, 11, 631.	1.6	341
2	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
3	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
4	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
5	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
6	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
7	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
8	Potential and practical management of hybrid ventilation in buildings. Energy and Buildings, 2021, 231, 110597.	3.1	31
9	Opportunities for passive cooling to mitigate the impact of climate change in Switzerland. Building and Environment, 2022, 208, 108574.	3.0	27
10	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
11	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
12	Control-oriented modelling and operational optimization of a borehole thermal energy storage. Applied Thermal Engineering, 2021, 199, 117518.	3.0	9
13	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
14	Optimisation framework for the operation of battery storage within solarâ€rich microgrids. IET Smart Grid, 2019, 2, 504-513.	1.5	7
15	Development of algorithms for building energy efficiency. , 2020, , 267-290.		3
16	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
17	System Identification of a Floating Oscillating Water Column Wave Energy Converter. , 2011, , .		1
18	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

#	Article	IF	Citations
19	Ventilative cooling potential of buildings in Australia. IOP Conference Series: Materials Science and Engineering, 2019, 609, 032052.	0.3	0