

Fabio Favoino

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

752
citations

623574

14
h-index

752573

20
g-index

28
all docs

28
docs citations

28
times ranked

662
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of current status, requirements and opportunities for building performance simulation of adaptive facades. <i>Journal of Building Performance Simulation</i> , 2017, 10, 205-223.	1.0	140
2	The optimal thermo-optical properties and energy saving potential of adaptive glazing technologies. <i>Applied Energy</i> , 2015, 156, 1-15.	5.1	125
3	Optimal control and performance of photovoltachromic switchable glazing for building integration in temperate climates. <i>Applied Energy</i> , 2016, 178, 943-961.	5.1	70
4	Design and control optimisation of adaptive insulation systems for office buildings. Part 1: Adaptive technologies and simulation framework. <i>Energy</i> , 2017, 127, 301-309.	4.5	53
5	Design and control optimisation of adaptive insulation systems for office buildings. Part 2: A parametric study for a temperate climate. <i>Energy</i> , 2017, 127, 634-649.	4.5	52
6	Experimental assessment of the energy performance of an advanced responsive multifunctional facade module. <i>Energy and Buildings</i> , 2014, 68, 647-659.	3.1	49
7	Vacuum Insulation Panels: Analysis of the Thermal Performance of Both Single Panel and Multilayer Boards. <i>Energies</i> , 2015, 8, 2528-2547.	1.6	43
8	Thermochromic glazing performance: From component experimental characterisation to whole building performance evaluation. <i>Applied Energy</i> , 2019, 251, 113335.	5.1	37
9	Experimental analysis of the energy performance of an ACTIVE, RESponsive and Solar (ACTRESS) facade module. <i>Solar Energy</i> , 2016, 133, 226-248.	2.9	31
10	Towards an Ideal Adaptive Glazed Façade for Office Buildings. <i>Energy Procedia</i> , 2014, 62, 289-298.	1.8	25
11	Ten questions concerning co-simulation for performance prediction of advanced building envelopes. <i>Building and Environment</i> , 2021, 191, 107570.	3.0	25
12	Energy Efficient Smart Plasmochromic Windows: Properties, Manufacturing and Integration in Insulating Glazing. <i>Nano Energy</i> , 2021, 84, 105894.	8.2	23
13	A Simplified Approach for the Annual and Spatial Evaluation of the Comfort Classes of Daylight Glare Using Vertical Illuminances. <i>Buildings</i> , 2018, 8, 171.	1.4	19
14	GLANCE (GLare ANnual Classes Evaluation): An approach for a simplified spatial glare evaluation. <i>Building and Environment</i> , 2020, 186, 107375.	3.0	16
15	A Simulation Framework for the Evaluation of Next Generation Responsive Building Envelope Technologies. <i>Energy Procedia</i> , 2015, 78, 2602-2607.	1.8	14
16	Tracer gas techniques for airflow characterization in double skin facades. <i>Building and Environment</i> , 2022, 212, 108803.	3.0	10
17	Thermo-chromic glazing in buildings: a novel methodological framework for a multi-objective performance evaluation. <i>Energy Procedia</i> , 2019, 158, 4115-4122.	1.8	5
18	Adaptive opaque façades and their potential to reduce thermal energy use in residential buildings: A simulation-based evaluation. <i>Journal of Building Physics</i> , 2022, 45, 675-720.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Impact of glass technology on future electrical individual transportation: the Pop.Up case study. <i>Class Structures and Engineering</i> , 2020, 5, 117-131.	0.8	3
20	Embedding intelligence to control adaptive building envelopes. , 2022, , 155-179.		3
21	Assessing the performance of an advanced integrated facade by means of simulation: The ACTRESS facade case study. <i>Journal of Facade Design and Engineering</i> , 2015, 3, 105-127.	0.1	2
22	Simulation-Based Evaluation of Adaptive Materials for Improved Building Performance. , 2016, , 125-166.		1
23	Building performance of thermochromic glazing. , 2021, , 401-437.		1
24	ANNUAL EVALUATION OF DAYLIGHT DISCOMFORT GLARE: STATE OF THE ART AND DESCRIPTION OF A NEW SIMPLIFIED APPROACH. , 2019, , .		1
25	A Novel Methodology to Optimize Visual Comfort and Energy Performance for Transparent Adaptive Façades. , 2018, , .		0
26	Temperature Field Real-Time Diagnosis by Means of Infrared Imaging in Data Elaboration Center. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 455-463.	0.3	0
27	Development of advanced multifunctional façade systems: Thermo-acoustic modelling and performance. <i>Journal of Physics: Conference Series</i> , 2021, 2069, 012198.	0.3	0
28	Advanced fenestration technologies, performance and building integration. , 2022, , 117-154.		0