

Cristina Piselli

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,082
citations

361296

20
h-index

454834

30
g-index

31
all docs

31
docs citations

31
times ranked

1026
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of multi-domain approaches to indoor environmental perception and behaviour. <i>Building and Environment</i> , 2020, 176, 106804.	3.0	127
2	Optimal control of natural ventilation as passive cooling strategy for improving the energy performance of building envelope with PCM integration. <i>Renewable Energy</i> , 2020, 162, 171-181.	4.3	84
3	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. <i>Renewable Energy</i> , 2018, 118, 825-839.	4.3	81
4	A review of select human-building interfaces and their relationship to human behavior, energy use and occupant comfort. <i>Building and Environment</i> , 2020, 178, 106920.	3.0	79
5	How outdoor microclimate mitigation affects building thermal-energy performance: A new design-stage method for energy saving in residential near-zero energy settlements in Italy. <i>Renewable Energy</i> , 2018, 127, 920-935.	4.3	63
6	Thermal-physics and energy performance of an innovative green roof system: The Cool-Green Roof. <i>Solar Energy</i> , 2015, 116, 337-356.	2.9	60
7	Thermal stress reduction in cool roof membranes using phase change materials (PCM). <i>Energy and Buildings</i> , 2018, 158, 1097-1105.	3.1	57
8	Influence of human behavior on cool roof effect for summer cooling. <i>Building and Environment</i> , 2015, 88, 116-128.	3.0	55
9	Occupant behavior long-term continuous monitoring integrated to prediction models: Impact on office building energy performance. <i>Energy</i> , 2019, 176, 667-681.	4.5	51
10	How peers' personal attitudes affect indoor microclimate and energy need in an institutional building: Results from a continuous monitoring campaign in summer and winter conditions. <i>Energy and Buildings</i> , 2016, 126, 485-497.	3.1	41
11	An Integrated HBIM Simulation Approach for Energy Retrofit of Historical Buildings Implemented in a Case Study of a Medieval Fortress in Italy. <i>Energies</i> , 2020, 13, 2601.	1.6	38
12	A Global Building Occupant Behavior Database. <i>Scientific Data</i> , 2022, 9, .	2.4	31
13	Optimization of roof solar reflectance under different climate conditions, occupancy, building configuration and energy systems. <i>Energy and Buildings</i> , 2017, 151, 81-97.	3.1	29
14	Microclimate and air quality investigation in historic hilly urban areas: Experimental and numerical investigation in central Italy. <i>Sustainable Cities and Society</i> , 2017, 33, 27-44.	5.1	25
15	Cultural heritage microclimate change: Human-centric approach to experimentally investigate intra-urban overheating and numerically assess foreseen future scenarios impact. <i>Science of the Total Environment</i> , 2020, 703, 134448.	3.9	25
16	Facility Energy Management Application of HBIM for Historical Low-Carbon Communities: Design, Modelling and Operation Control of Geothermal Energy Retrofit in a Real Italian Case Study. <i>Energies</i> , 2020, 13, 6338.	1.6	25
17	Cool Roof Impact on Building Energy Need: The Role of Thermal Insulation with Varying Climate Conditions. <i>Energies</i> , 2019, 12, 3354.	1.6	24
18	Microclimate mitigation for enhancing energy and environmental performance of Near Zero Energy Settlements in Italy. <i>Sustainable Cities and Society</i> , 2020, 53, 101964.	5.1	24

#	ARTICLE	IF	CITATIONS
19	Outdoor Thermal and Visual Perception of Natural Cool Materials for Roof and Urban Paving. <i>Procedia Engineering</i> , 2015, 118, 1325-1332.	1.2	22
20	Human-centric green building design: the energy saving potential of occupants'™ behaviour enhancement in the office environment. <i>Journal of Building Performance Simulation</i> , 2020, 13, 621-644.	1.0	21
21	Assessing users'™ willingness-to-engagement towards Net Zero Energy communities in Italy. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111627.	8.2	21
22	Traditional and Innovative Materials for Energy Efficiency in Buildings. <i>Key Engineering Materials</i> , 0, 678, 14-34.	0.4	19
23	Combined Thermal Effect of Cool Roof and Cool Façade on a Prototype Building. <i>Energy Procedia</i> , 2015, 78, 1556-1561.	1.8	16
24	Thermal comfort in the historical urban canyon: the effect of innovative materials. <i>Energy Procedia</i> , 2017, 134, 151-160.	1.8	14
25	Greenery System for Cooling Down Outdoor Spaces: Results of an Experimental Study. <i>Sustainability</i> , 2020, 12, 5888.	1.6	12
26	Coupling artworks preservation constraints with visitors'™ environmental satisfaction: Results from an indoor microclimate assessment procedure in a historical museum building in central Italy. <i>Indoor and Built Environment</i> , 2018, 27, 846-869.	1.5	10
27	Combined Effect of Outdoor Microclimate Boundary Conditions on Air Conditioning System'™s Efficiency and Building Energy Demand in Net Zero Energy Settlements. <i>Sustainability</i> , 2020, 12, 6056.	1.6	8
28	Zero energy concept at neighborhood level: A case study analysis. <i>Solar Energy Advances</i> , 2021, 1, 100002.	1.2	8
29	Measurement and Verification of Zero Energy Settlements: Lessons Learned from Four Pilot Cases in Europe. <i>Sustainability</i> , 2020, 12, 9783.	1.6	6
30	Investigating the Dynamic Thermal Behavior of Building Envelope in Summer Conditions By Means of in-Field Continuous Monitoring. <i>American Journal of Engineering and Applied Sciences</i> , 2016, 9, 505-519.	0.3	3
31	Are years-long field studies about window operation efficient? a data-driven approach based on information theory and deep learning. <i>Energy and Buildings</i> , 2022, 268, 112197.	3.1	3