

Anna Laura Pisello

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

192
papers

4,791
citations

40
h-index

58
g-index

198
ext. papers

5,762
ext. citations

5.8
avg, IF

6.52
L-index

#	Paper	IF	Citations
192	LOCAL CLIMATE CHANGE AND URBAN HEAT ISLAND MITIGATION TECHNIQUES –THE STATE OF THE ART. <i>Journal of Civil Engineering and Management</i> , 2015 , 22, 1-16	3	239
191	Analysis of retro-reflective surfaces for urban heat island mitigation: A new analytical model. <i>Applied Energy</i> , 2014 , 114, 621-631	10.7	130
190	State of the art on the development of cool coatings for buildings and cities. <i>Solar Energy</i> , 2017 , 144, 660-680	6.8	127
189	The thermal effect of an innovative cool roof on residential buildings in Italy: Results from two years of continuous monitoring. <i>Energy and Buildings</i> , 2014 , 69, 154-164	7	113
188	Environmental effects on natural frequencies of the San Pietro bell tower in Perugia, Italy, and their removal for structural performance assessment. <i>Mechanical Systems and Signal Processing</i> , 2017 , 82, 307-322	7.8	111
187	Inter-building effect: Simulating the impact of a network of buildings on the accuracy of building energy performance predictions. <i>Building and Environment</i> , 2012 , 58, 37-45	6.5	109
186	A method for assessing buildings' energy efficiency by dynamic simulation and experimental activity. <i>Applied Energy</i> , 2012 , 97, 419-429	10.7	87
185	On an innovative integrated technique for energy refurbishment of historical buildings: Thermal-energy, economic and environmental analysis of a case study. <i>Applied Energy</i> , 2016 , 162, 1313-1322	10.7	84
184	Human-based energy retrofits in residential buildings: A cost-effective alternative to traditional physical strategies. <i>Applied Energy</i> , 2014 , 133, 224-235	10.7	83
183	Albedo control as an effective strategy to tackle Global Warming: A case study. <i>Applied Energy</i> , 2014 , 130, 641-647	10.7	82
182	Multipurpose characterization of glazing systems with silica aerogel: In-field experimental analysis of thermal-energy, lighting and acoustic performance. <i>Building and Environment</i> , 2014 , 81, 92-102	6.5	80
181	PROGRESS IN URBAN GREENERY MITIGATION SCIENCE –ASSESSMENT METHODOLOGIES ADVANCED TECHNOLOGIES AND IMPACT ON CITIES. <i>Journal of Civil Engineering and Management</i> , 2018 , 24, 638-671	3	71
180	Multifunctional smart concretes with novel phase change materials: Mechanical and thermo-energy investigation. <i>Applied Energy</i> , 2018 , 212, 1448-1461	10.7	69
179	Review of multi-domain approaches to indoor environmental perception and behaviour. <i>Building and Environment</i> , 2020 , 176, 106804	6.5	66
178	On the thermal and visual pedestrians' perception about cool natural stones for urban paving: A field survey in summer conditions. <i>Building and Environment</i> , 2016 , 107, 198-214	6.5	64
177	Toward mitigating urban heat island effects: Investigating the thermal-energy impact of bio-inspired retro-reflective building envelopes in dense urban settings. <i>Energy and Buildings</i> , 2015 , 102, 380-389	7	62
176	On the effect of summer heatwaves and urban overheating on building thermal-energy performance in central Italy. <i>Sustainable Cities and Society</i> , 2017 , 28, 187-200	10.1	61

175	Multipurpose experimental characterization of smart nanocomposite cement-based materials for thermal-energy efficiency and strain-sensing capability. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 161, 77-88	6.4	59
174	Integration of renewable technologies in historical and heritage buildings: A review. <i>Energy and Buildings</i> , 2018 , 177, 96-111	7	59
173	Exploring mutual shading and mutual reflection inter-building effects on building energy performance. <i>Applied Energy</i> , 2017 , 185, 1556-1564	10.7	58
172	Experimental in-lab and in-field analysis of waterproof membranes for cool roof application and urban heat island mitigation. <i>Energy and Buildings</i> , 2016 , 114, 180-190	7	57
171	Experimental Analysis of Natural Gravel Covering as Cool Roofing and Cool Pavement. <i>Sustainability</i> , 2014 , 6, 4706-4722	3.6	57
170	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. <i>Renewable Energy</i> , 2018 , 118, 825-839	8.1	54
169	Outdoor comfort conditions in urban areas: On citizens' perspective about microclimate mitigation of urban transit areas. <i>Sustainable Cities and Society</i> , 2018 , 39, 16-36	10.1	53
168	The impact of place-based affiliation networks on energy conservation: An holistic model that integrates the influence of buildings, residents and the neighborhood context. <i>Energy and Buildings</i> , 2012 , 55, 637-646	7	52
167	Summer and Winter Effect of Innovative Cool Roof Tiles on the Dynamic Thermal Behavior of Buildings. <i>Energies</i> , 2014 , 7, 2343-2361	3.1	51
166	Active cool roof effect: impact of cool roofs on cooling system efficiency. <i>Advances in Building Energy Research</i> , 2013 , 7, 209-221	1.8	51
165	Thermal-physics and energy performance of an innovative green roof system: The Cool-Green Roof. <i>Solar Energy</i> , 2015 , 116, 337-356	6.8	50
164	Expanding Inter-Building Effect modeling to examine primary energy for lighting. <i>Energy and Buildings</i> , 2014 , 76, 513-523	7	49
163	A Building Energy Efficiency Optimization Method by Evaluating the Effective Thermal Zones Occupancy. <i>Energies</i> , 2012 , 5, 5257-5278	3.1	49
162	Infrared Thermography Assessment of Thermal Bridges in Building Envelope: Experimental Validation in a Test Room Setup. <i>Sustainability</i> , 2014 , 6, 7107-7120	3.6	48
161	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	8.1	45
160	Effect of dynamic characteristics of building envelope on thermal-energy performance in winter conditions: In field experiment. <i>Energy and Buildings</i> , 2014 , 80, 218-230	7	45
159	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	6.5	44
158	Experimental and numerical characterization of innovative cardboard based panels: Thermal and acoustic performance analysis and life cycle assessment. <i>Building and Environment</i> , 2016 , 95, 145-159	6.5	43

157	Development of Clay Tile Coatings for Steep-Sloped Cool Roofs. <i>Energies</i> , 2013 , 6, 3637-3653	3.1	42
156	Thermal-energy analysis of natural limestone aggregates as passive cooling and global warming mitigation technique. <i>Urban Climate</i> , 2015 , 14, 301-314	6.8	41
155	Thermal stress reduction in cool roof membranes using phase change materials (PCM). <i>Energy and Buildings</i> , 2018 , 158, 1097-1105	7	41
154	What drives our behaviors in buildings? A review on occupant interactions with building systems from the lens of behavioral theories. <i>Building and Environment</i> , 2020 , 179, 106928	6.5	41
153	Adaptive measures for mitigating urban heat islands: The potential of thermochromic materials to control roofing energy balance. <i>Applied Energy</i> , 2019 , 247, 155-170	10.7	40
152	Influence of human behavior on cool roof effect for summer cooling. <i>Building and Environment</i> , 2015 , 88, 116-128	6.5	40
151	An energy-balanced analytic model for urban heat canyons: comparison with experimental data. <i>Advances in Building Energy Research</i> , 2013 , 7, 222-234	1.8	39
150	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	8.1	39
149	Hierarchical environmental risk mapping of material degradation in historic masonry buildings: An integrated approach considering climate change and structural damage. <i>Construction and Building Materials</i> , 2019 , 215, 998-1014	6.7	38
148	PCM for improving polyurethane-based cool roof membranes durability. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 160, 34-42	6.4	38
147	Environmental Impact of Industrial Prefabricated Buildings: Carbon and Energy Footprint Analysis Based on an LCA Approach. <i>Energy Procedia</i> , 2014 , 61, 2841-2844	2.3	38
146	How subjective and non-physical parameters affect occupants' environmental comfort perception. <i>Energy and Buildings</i> , 2018 , 178, 107-129	7	38
145	Behaviour of a concrete wall containing micro-encapsulated PCM after a decade of its construction. <i>Solar Energy</i> , 2020 , 200, 108-113	6.8	35
144	Network synergy effect: Establishing a synergy between building network and peer network energy conservation effects. <i>Energy and Buildings</i> , 2014 , 68, 312-320	7	34
143	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	7	34
142	Integrated Thermal-Energy Analysis of Innovative Translucent White Marble for Building Envelope Application. <i>Sustainability</i> , 2014 , 6, 5439-5462	3.6	33
141	Experimental thermo-acoustic characterization of innovative common reed bio-based panels for building envelope. <i>Building and Environment</i> , 2016 , 102, 217-229	6.5	33
140	Thermal and lighting effects of an external venetian blind: Experimental analysis in a full scale test room. <i>Building and Environment</i> , 2016 , 106, 45-56	6.5	32

139	The hygrothermal performance of residential buildings at urban and rural sites: Sensible and latent energy loads and indoor environmental conditions. <i>Energy and Buildings</i> , 2017 , 152, 792-803	7	32
138	A new wearable monitoring system for investigating pedestrians' environmental conditions: Development of the experimental tool and start-up findings. <i>Science of the Total Environment</i> , 2018 , 630, 690-706	10.2	31
137	Palm oil-based bio-PCM for energy efficient building applications: Multipurpose thermal investigation and life cycle assessment. <i>Journal of Energy Storage</i> , 2020 , 28, 101129	7.8	30
136	Sustainable Ethanol Production from Common Reed (<i>Phragmites australis</i>) through Simultaneous Saccharification and Fermentation. <i>Sustainability</i> , 2015 , 7, 12149-12163	3.6	30
135	New cool concrete for building envelopes and urban paving: Optics-energy and thermal assessment in dynamic conditions. <i>Energy and Buildings</i> , 2017 , 151, 381-392	7	29
134	Assessing occupants' personal attributes in relation to human perception of environmental comfort: Measurement procedure and data analysis. <i>Building and Environment</i> , 2020 , 177, 106901	6.5	28
133	Human-building interaction at work: Findings from an interdisciplinary cross-country survey in Italy. <i>Building and Environment</i> , 2018 , 132, 147-159	6.5	27
132	Sustainability Assessment of Historic Buildings: Lesson Learnt from an Italian case Study through LEED [®] Rating System. <i>Energy Procedia</i> , 2014 , 61, 1029-1032	2.3	27
131	Occupant behavior long-term continuous monitoring integrated to prediction models: Impact on office building energy performance. <i>Energy</i> , 2019 , 176, 667-681	7.9	26
130	Phosphorescent-based pavements for counteracting urban overheating: A proof of concept. <i>Solar Energy</i> , 2020 , 202, 540-552	6.8	26
129	Experimental testing of cooling internal loads with a radiant wall. <i>Renewable Energy</i> , 2018 , 116, 1-8	8.1	26
128	Innovative cool roofing membrane with integrated phase change materials: Experimental characterization of morphological, thermal and optic-energy behavior. <i>Energy and Buildings</i> , 2016 , 112, 40-48	7	26
127	On a Cool Coating for Roof Clay Tiles: Development of the Prototype and Thermal-energy Assessment. <i>Energy Procedia</i> , 2014 , 45, 453-462	2.3	26
126	The role of building occupants' education in their resilience to climate-change related events. <i>Energy and Buildings</i> , 2017 , 154, 217-231	7	26
125	Innovative Cardboard Based Panels with Recycled Materials from the Packaging Industry: Thermal and Acoustic Performance Analysis. <i>Energy Procedia</i> , 2015 , 78, 321-326	2.3	26
124	Thermal-energy analysis of roof cool clay tiles for application in historic buildings and cities. <i>Sustainable Cities and Society</i> , 2015 , 19, 271-280	10.1	25
123	The impact of natural ventilation on building energy requirement at inter-building scale. <i>Energy and Buildings</i> , 2016 , 127, 870-883	7	25
122	Differentiating responses of weather files and local climate change to explain variations in building thermal-energy performance simulations. <i>Solar Energy</i> , 2017 , 153, 224-237	6.8	24

121	Optimization of roof solar reflectance under different climate conditions, occupancy, building configuration and energy systems. <i>Energy and Buildings</i> , 2017 , 151, 81-97	7	24
120	Experimental Analysis of Cool Traditional Solar Shading Systems for Residential Buildings. <i>Energies</i> , 2015 , 8, 2197-2210	3.1	22
119	The Impact of Local Microclimate Boundary Conditions on Building Energy Performance. <i>Sustainability</i> , 2015 , 7, 9207-9230	3.6	22
118	Investigation on the effect of innovative cool tiles on local indoor thermal conditions: Finite element modeling and continuous monitoring. <i>Building and Environment</i> , 2016 , 97, 55-68	6.5	21
117	Development of Net Zero Energy Settlements Using Advanced Energy Technologies. <i>Procedia Engineering</i> , 2017 , 180, 1388-1401		21
116	Thermochromic materials for indoor thermal comfort improvement: Finite difference modeling and validation in a real case-study building. <i>Applied Energy</i> , 2020 , 262, 114147	10.7	21
115	Inter-building assessment of urban heat island mitigation strategies: Field tests and numerical modelling in a simplified-geometry experimental set-up. <i>Renewable Energy</i> , 2020 , 147, 1663-1675	8.1	21
114	Thermal performance of coupled cool roof and cool façade: Experimental monitoring and analytical optimization procedure. <i>Energy and Buildings</i> , 2017 , 157, 35-52	7	20
113	Natural Materials for Thermal Insulation and Passive Cooling Application. <i>Key Engineering Materials</i> , 2015 , 666, 1-16	0.4	20
112	Modelling urban-scale occupant behaviour, mobility, and energy in buildings: A survey. <i>Building and Environment</i> , 2020 , 183, 106964	6.5	20
111	Cool Roof Impact on Building Energy Need: The Role of Thermal Insulation with Varying Climate Conditions. <i>Energies</i> , 2019 , 12, 3354	3.1	20
110	Simulating the Thermal-Energy Performance of Buildings at the Urban Scale: Evaluation of Inter-Building Effects in Different Urban Configurations. <i>Journal of Urban Technology</i> , 2014 , 21, 3-20	5.9	20
109	Sustainable adobe bricks with seagrass fibres. Mechanical and thermal properties characterization. <i>Construction and Building Materials</i> , 2020 , 239, 117669	6.7	20
108	Multifunctional Analysis of Innovative PCM-filled Concretes. <i>Energy Procedia</i> , 2017 , 111, 81-90	2.3	19
107	How to enhance thermal energy storage effect of PCM in roofs with varying solar reflectance: Experimental and numerical assessment of a new roof system for passive cooling in different climate conditions. <i>Solar Energy</i> , 2019 , 192, 106-119	6.8	19
106	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	10.1	18
105	Microclimate mitigation for enhancing energy and environmental performance of Near Zero Energy Settlements in Italy. <i>Sustainable Cities and Society</i> , 2020 , 53, 101964	10.1	18
104	The impacts of building characteristics, social psychological and cultural factors on indoor environment quality productivity belief. <i>Building and Environment</i> , 2020 , 185, 107189	6.5	18

103	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	3.1	17
102	Translucent marbles for building envelope applications: Weathering effects on surface lightness and finishing when exposed to simulated acid rain. <i>Construction and Building Materials</i> , 2016 , 108, 146-153	6.7	17
101	On Innovative Cool-Colored Materials for Building Envelopes: Balancing the Architectural Appearance and the Thermal-Energy Performance in Historical Districts. <i>Sustainability</i> , 2017 , 9, 2319	3.6	17
100	The Experience of International Sustainability Protocols for Retrofitting Historical Buildings in Italy. <i>Buildings</i> , 2017 , 7, 52	3.2	17
99	Outdoor Thermal and Visual Perception of Natural Cool Materials for Roof and Urban Paving. <i>Procedia Engineering</i> , 2015 , 118, 1325-1332		17
98	Cool Marble Building Envelopes: The Effect of Aging on Energy Performance and Aesthetics. <i>Sustainability</i> , 2016 , 8, 753	3.6	17
97	Investigation of CO2 Variation and Mapping Through Wearable Sensing Techniques for Measuring Pedestrians Exposure in Urban Areas. <i>Sustainability</i> , 2020 , 12, 3936	3.6	16
96	Traditional and Innovative Materials for Energy Efficiency in Buildings. <i>Key Engineering Materials</i> , 2016 , 678, 14-34	0.4	16
95	Facing the urban overheating: Recent developments. Mitigation potential and sensitivity of the main technologies. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018 , 7, e294	4.7	16
94	Environmental data clustering analysis through wearable sensing techniques: New bottom-up process aimed to identify intra-urban granular morphologies from pedestrian transects. <i>Building and Environment</i> , 2020 , 171, 106641	6.5	16
93	Assessing the Potentiality of Animal Fat Based-Bio Phase Change Materials (PCM) for Building Applications: An Innovative Multipurpose Thermal Investigation. <i>Energies</i> , 2019 , 12, 1111	3.1	15
92	TIAR: Renewable Energy Production, Storage and Distribution; A New Multidisciplinary Approach for the Design of Rural Facility. <i>Energy Procedia</i> , 2014 , 45, 323-332	2.3	14
91	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	10.2	14
90	Combined Thermal Effect of Cool Roof and Cool Façade on a Prototype Building. <i>Energy Procedia</i> , 2015 , 78, 1556-1561	2.3	13
89	Effect of PCM on the Hydration Process of Cement-Based Mixtures: A Novel Thermo-Mechanical Investigation. <i>Materials</i> , 2018 , 11,	3.5	12
88	Thermo-optic durability of cool roof membranes: Effect of shape stabilized phase change material inclusion on building energy efficiency. <i>Energy and Buildings</i> , 2020 , 207, 109592	7	12
87	Intra-urban microclimate investigation in urban heat island through a novel mobile monitoring system. <i>Scientific Reports</i> , 2021 , 11, 9732	4.9	12
86	Empirical data-driven multi-layer perceptron and radial basis function techniques in predicting the performance of nanofluid-based modified tubular solar collectors. <i>Journal of Cleaner Production</i> , 2021 , 295, 126409	10.3	12

85	Lignocellulosic Ethanol Production from the Recovery of Stranded Driftwood Residues. <i>Energies</i> , 2016 , 9, 634	3.1	12
84	On an innovative approach for microclimate enhancement and retrofit of historic buildings and artworks preservation by means of innovative thin envelope materials. <i>Journal of Cultural Heritage</i> , 2019 , 36, 222-231	2.9	12
83	Thermo-acoustic performance of green roof substrates in dynamic hygrothermal conditions. <i>Energy and Buildings</i> , 2018 , 178, 140-153	7	12
82	High-albedo roof coatings for reducing building cooling needs 2015 , 243-268		11
81	A Batch Digester Plant for Biogas Production and Energy Enhancement of Organic Residues from Collective Activities. <i>Energy Procedia</i> , 2014 , 61, 1669-1672	2.3	11
80	An Innovative Small Sized Anaerobic Digester Integrated in Historic Building. <i>Energy Procedia</i> , 2014 , 45, 333-341	2.3	11
79	Palm oil for seasonal thermal energy storage applications in buildings: The potential of multiple melting ranges in blends of bio-based fatty acids. <i>Journal of Energy Storage</i> , 2020 , 29, 101431	7.8	11
78	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	2.8	11
77	Integrated numerical and experimental methodology for thermal-energy analysis and optimization of heritage museum buildings. <i>Building Services Engineering Research and Technology</i> , 2016 , 37, 334-354	2.3	10
76	Quantifying the effects of interior surface reflectance on indoor lighting. <i>Energy Procedia</i> , 2017 , 134, 306-316	2.3	10
75	Energy Refurbishment of Historical Buildings with Public Function: Pilot Case Study. <i>Energy Procedia</i> , 2014 , 61, 660-663	2.3	10
74	Human-centric microclimate analysis of Urban Heat Island: Wearable sensing and data-driven techniques for identifying mitigation strategies in New York City. <i>Urban Climate</i> , 2020 , 34, 100716	6.8	9
73	Using bio-oils for improving environmental performance of an advanced resinous binder for pavement applications with heat and noise island mitigation potential. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 39, 100706	4.7	9
72	Thermal comfort in the historical urban canyon: the effect of innovative materials. <i>Energy Procedia</i> , 2017 , 134, 151-160	2.3	9
71	For the mitigation of urban heat island and urban noise island: two simultaneous sides of urban discomfort. <i>Environmental Research Letters</i> , 2020 , 15, 103004	6.2	9
70	Greenery System for Cooling Down Outdoor Spaces: Results of an Experimental Study. <i>Sustainability</i> , 2020 , 12, 5888	3.6	9
69	Decarbonizing household heating: Reviewing demographics, geography and low-carbon practices and preferences in five European countries. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 139, 110703	16.2	9
68	Uses of dynamic simulation to predict thermal-energy performance of buildings and districts: a review. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018 , 7, e269	4.7	9

67	Dynamic Thermal-energy Performance Analysis of a Prototype Building with Integrated Phase Change Materials. <i>Energy Procedia</i> , 2015 , 81, 82-88	2.3	8
66	Cool, Translucent Natural Envelope: Thermal-optics Characteristics Experimental Assessment and Thermal-energy and Day Lighting Analysis. <i>Energy Procedia</i> , 2017 , 111, 578-587	2.3	8
65	A Cost-Effective Human-Based Energy-Retrofitting Approach 2017 , 219-255		8
64	Network of buildings—Impact on indoor thermal performance. <i>Smart and Sustainable Built Environment</i> , 2012 , 1, 73-86	3	8
63	Innovative concretes for low-carbon constructions: a review. <i>International Journal of Low-Carbon Technologies</i> , 2016 ,	2.8	8
62	Trends and gaps in global research of greenery systems through a bibliometric analysis. <i>Sustainable Cities and Society</i> , 2021 , 65, 102608	10.1	8
61	Intra-urban microclimate mapping for citizens—wellbeing: Novel wearable sensing techniques and automatized data-processing. <i>Journal of Cleaner Production</i> , 2021 , 279, 123748	10.3	8
60	Measuring human physiological indices for thermal comfort assessment through wearable devices: A review. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 183, 109872	4.6	8
59	2013 ,		7
58	Long Persistent Luminescence: A Road Map Toward Promising Future Developments in Energy and Environmental Science. <i>Annual Review of Materials Research</i> , 2021 , 51, 409-433	12.8	7
57	Exploring the potential of photoluminescence for urban passive cooling and lighting applications: A new approach towards materials—optimization. <i>Energy</i> , 2021 , 231, 120815	7.9	7
56	Test rooms to study human comfort in buildings: A review of controlled experiments and facilities. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 149, 111359	16.2	7
55	Durability and weatherability of a styrene-ethylene-butylene-styrene (SEBS) block copolymer-based sensing skin for civil infrastructure applications. <i>Sensors and Actuators A: Physical</i> , 2019 , 293, 269-280	3.9	6
54	Necessary Conditions for Multi-Domain Indoor Environmental Quality Standards. <i>Sustainability</i> , 2020 , 12, 8439	3.6	6
53	A New Wearable System for Sensing Outdoor Environmental Conditions for Monitoring Hyper-Microclimate.. <i>Sensors</i> , 2022 , 22,	3.8	6
52	Assessing users—willingness-to-engagement towards Net Zero Energy communities in Italy. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 152, 111627	16.2	6
51	Combined Effect of Outdoor Microclimate Boundary Conditions on Air Conditioning System—Efficiency and Building Energy Demand in Net Zero Energy Settlements. <i>Sustainability</i> , 2020 , 12, 6056	3.6	6
50	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	3.1	6

49	Cool, photoluminescent paints towards energy consumption reductions in the built environment. <i>Journal of Physics: Conference Series</i> , 2019 , 1343, 012198	0.3	6
48	Coupling the transient plane source method with a dynamically controlled environment to study PCM-doped building materials. <i>Energy and Buildings</i> , 2018 , 180, 122-134	7	6
47	Development of photoluminescent composites for energy efficiency in smart outdoor lighting applications: An experimental and numerical investigation. <i>Renewable Energy</i> , 2021 , 172, 1-15	8.1	6
46	Investigation of the impact of subjective and physical parameters on the indoor comfort of occupants: a case study in central Italy. <i>Energy Procedia</i> , 2017 , 126, 131-138	2.3	5
45	Experimental and Numerical Study on Thermal Performance of New Cool Clay Tiles in Residential Buildings in Europe. <i>Energy Procedia</i> , 2015 , 75, 1393-1398	2.3	5
44	Thermal-energy and Environmental Impact of Cool Clay Tiles for Residential Buildings in Italy. <i>Procedia Engineering</i> , 2015 , 118, 530-537		5
43	Humans in the city: Representing outdoor thermal comfort in urban canopy models. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 133, 110103	16.2	5
42	Driftwood Biomass in Italy: Estimation and Characterization. <i>Sustainability</i> , 2016 , 8, 725	3.6	5
41	Life Cycle Assessment on Different Synthetic Routes of ZIF-8 Nanomaterials. <i>Energies</i> , 2021 , 14, 4998	3.1	5
40	Measurement and Verification of Zero Energy Settlements: Lessons Learned from Four Pilot Cases in Europe. <i>Sustainability</i> , 2020 , 12, 9783	3.6	4
39	Data collected by coupling fix and wearable sensors for addressing urban microclimate variability in an historical Italian city. <i>Data in Brief</i> , 2020 , 29, 105322	1.2	4
38	2011,		4
37	Pocket Parks for human-centered urban climate change resilience: microclimate field tests and multi-domain comfort perception through portable sensing techniques and citizens involvement. <i>Energy and Buildings</i> , 2022 , 111918	7	4
36	Sustainable New Brick and Thermo-Acoustic Insulation Panel from Mineralization of Stranded Driftwood Residues. <i>Energies</i> , 2016 , 9, 619	3.1	4
35	Subjective thermal response driving indoor comfort perception: A novel experimental analysis coupling building information modelling and virtual reality. <i>Journal of Building Engineering</i> , 2021 , 41, 102368	5.2	4
34	Environmental assessment of four waste cooking oil valorization pathways.. <i>Waste Management</i> , 2022 , 138, 219-233	8.6	3
33	Thermo-acoustic and mechanical characterization of novel bio-based plasters: The valorisation of lignin as by-product from biomass extraction for green building applications. <i>Construction and Building Materials</i> , 2021 , 278, 122373	6.7	3
32	Life cycle assessment and life cycle costing of an innovative component for refrigeration units. <i>Journal of Cleaner Production</i> , 2021 , 295, 126442	10.3	3

31	A Mobile Vehicle-Based Methodology for Dynamic Microclimate Analysis. <i>International Journal of Environmental Research</i> , 2021 , 15, 1-9	2.9	3
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	6.4	2
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