

# 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> , <b>2015</b> , 22, 1-16   | 3    | 239       |
| 191 | Analysis of retro-reflective surfaces for urban heat island mitigation: A new analytical model. <i>Applied Energy</i> , <b>2014</b> , 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> , <b>2017</b> , 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> , <b>2014</b> , 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> , <b>2017</b> , 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> , <b>2012</b> , 58, 37-45                                      | 6.5  | 109       |
| 186 | A method for assessing buildings' energy efficiency by dynamic simulation and experimental activity. <i>Applied Energy</i> , <b>2012</b> , 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> , <b>2016</b> , 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> , <b>2014</b> , 133, 224-235  | 10.7 | 83        |
| 183 | Albedo control as an effective strategy to tackle Global Warming: A case study. <i>Applied Energy</i> , <b>2014</b> , 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> , <b>2014</b> , 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> , <b>2018</b> , 24, 638-671                                | 3    | 71        |
| 180 | Multifunctional smart concretes with novel phase change materials: Mechanical and thermo-energy investigation. <i>Applied Energy</i> , <b>2018</b> , 212, 1448-1461   | 10.7 | 69        |
| 179 | Review of multi-domain approaches to indoor environmental perception and behaviour. <i>Building and Environment</i> , <b>2020</b> , 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> , <b>2016</b> , 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> , <b>2015</b> , 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> , <b>2017</b> , 28, 187-200  | 10.1 | 61        |

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|-----|---|------|----|
| 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> , <b>2017</b> , 161, 77-88          | 6.4  | 59 |
| 174 | Integration of renewable technologies in historical and heritage buildings: A review. <i>Energy and Buildings</i> , <b>2018</b> , 177, 96-111   | 7    | 59 |
| 173 | Exploring mutual shading and mutual reflection inter-building effects on building energy performance. <i>Applied Energy</i> , <b>2017</b> , 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> , <b>2016</b> , 114, 180-190  | 7    | 57 |
| 171 | Experimental Analysis of Natural Gravel Covering as Cool Roofing and Cool Pavement. <i>Sustainability</i> , <b>2014</b> , 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> , <b>2018</b> , 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> , <b>2018</b> , 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> , <b>2012</b> , 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> , <b>2014</b> , 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> , <b>2013</b> , 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> , <b>2015</b> , 116, 337-356  | 6.8  | 50 |
| 164 | Expanding Inter-Building Effect modeling to examine primary energy for lighting. <i>Energy and Buildings</i> , <b>2014</b> , 76, 513-523  | 7    | 49 |
| 163 | A Building Energy Efficiency Optimization Method by Evaluating the Effective Thermal Zones Occupancy. <i>Energies</i> , <b>2012</b> , 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> , <b>2014</b> , 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> , <b>2018</b> , 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> , <b>2014</b> , 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> , <b>2020</b> , 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> , <b>2016</b> , 95, 145-159                      | 6.5  | 43 |

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| 157 | Development of Clay Tile Coatings for Steep-Sloped Cool Roofs. <i>Energies</i> , <b>2013</b> , 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> , <b>2015</b> , 14, 301-314   | 6.8  | 41 |
| 155 | Thermal stress reduction in cool roof membranes using phase change materials (PCM). <i>Energy and Buildings</i> , <b>2018</b> , 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> , <b>2020</b> , 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> , <b>2019</b> , 247, 155-170  | 10.7 | 40 |
| 152 | Influence of human behavior on cool roof effect for summer cooling. <i>Building and Environment</i> , <b>2015</b> , 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> , <b>2013</b> , 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> , <b>2020</b> , 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> , <b>2019</b> , 215, 998-1014 | 6.7  | 38 |
| 148 | PCM for improving polyurethane-based cool roof membranes durability. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 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> , <b>2014</b> , 61, 2841-2844  | 2.3  | 38 |
| 146 | How subjective and non-physical parameters affect occupants' environmental comfort perception. <i>Energy and Buildings</i> , <b>2018</b> , 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> , <b>2020</b> , 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> , <b>2014</b> , 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> , <b>2016</b> , 126, 485-497   | 7    | 34 |
| 142 | Integrated Thermal-Energy Analysis of Innovative Translucent White Marble for Building Envelope Application. <i>Sustainability</i> , <b>2014</b> , 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> , <b>2016</b> , 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> , <b>2016</b> , 106, 45-56  | 6.5  | 32 |

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| 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> , <b>2017</b> , 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> , <b>2018</b> , 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> , <b>2020</b> , 28, 101129                               | 7.8  | 30 |
| 136 | Sustainable Ethanol Production from Common Reed ( <i>Phragmites australis</i> ) through Simultaneous Saccharification and Fermentation. <i>Sustainability</i> , <b>2015</b> , 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> , <b>2017</b> , 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> , <b>2020</b> , 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> , <b>2018</b> , 132, 147-159   | 6.5  | 27 |
| 132 | Sustainability Assessment of Historic Buildings: Lesson Learnt from an Italian case Study through LEED <sup>®</sup> Rating System. <i>Energy Procedia</i> , <b>2014</b> , 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> , <b>2019</b> , 176, 667-681  | 7.9  | 26 |
| 130 | Phosphorescent-based pavements for counteracting urban overheating: A proof of concept. <i>Solar Energy</i> , <b>2020</b> , 202, 540-552   | 6.8  | 26 |
| 129 | Experimental testing of cooling internal loads with a radiant wall. <i>Renewable Energy</i> , <b>2018</b> , 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> , <b>2016</b> , 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> , <b>2014</b> , 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> , <b>2017</b> , 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> , <b>2015</b> , 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> , <b>2015</b> , 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> , <b>2016</b> , 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> , <b>2017</b> , 153, 224-237                             | 6.8  | 24 |

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| 121 | Optimization of roof solar reflectance under different climate conditions, occupancy, building configuration and energy systems. <i>Energy and Buildings</i> , <b>2017</b> , 151, 81-97   | 7    | 24 |
| 120 | Experimental Analysis of Cool Traditional Solar Shading Systems for Residential Buildings. <i>Energies</i> , <b>2015</b> , 8, 2197-2210   | 3.1  | 22 |
| 119 | The Impact of Local Microclimate Boundary Conditions on Building Energy Performance. <i>Sustainability</i> , <b>2015</b> , 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> , <b>2016</b> , 97, 55-68   | 6.5  | 21 |
| 117 | Development of Net Zero Energy Settlements Using Advanced Energy Technologies. <i>Procedia Engineering</i> , <b>2017</b> , 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> , <b>2020</b> , 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> , <b>2020</b> , 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> , <b>2017</b> , 157, 35-52   | 7    | 20 |
| 113 | Natural Materials for Thermal Insulation and Passive Cooling Application. <i>Key Engineering Materials</i> , <b>2015</b> , 666, 1-16  | 0.4  | 20 |
| 112 | Modelling urban-scale occupant behaviour, mobility, and energy in buildings: A survey. <i>Building and Environment</i> , <b>2020</b> , 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> , <b>2019</b> , 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> , <b>2014</b> , 21, 3-20  | 5.9  | 20 |
| 109 | Sustainable adobe bricks with seagrass fibres. Mechanical and thermal properties characterization. <i>Construction and Building Materials</i> , <b>2020</b> , 239, 117669   | 6.7  | 20 |
| 108 | Multifunctional Analysis of Innovative PCM-filled Concretes. <i>Energy Procedia</i> , <b>2017</b> , 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> , <b>2019</b> , 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> , <b>2017</b> , 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> , <b>2020</b> , 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> , <b>2020</b> , 185, 107189   | 6.5  | 18 |

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| 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> , <b>2020</b> , 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> , <b>2016</b> , 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> , <b>2017</b> , 9, 2319                                    | 3.6  | 17 |
| 100 | The Experience of International Sustainability Protocols for Retrofitting Historical Buildings in Italy. <i>Buildings</i> , <b>2017</b> , 7, 52  | 3.2  | 17 |
| 99  | Outdoor Thermal and Visual Perception of Natural Cool Materials for Roof and Urban Paving. <i>Procedia Engineering</i> , <b>2015</b> , 118, 1325-1332  |      | 17 |
| 98  | Cool Marble Building Envelopes: The Effect of Aging on Energy Performance and Aesthetics. <i>Sustainability</i> , <b>2016</b> , 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> , <b>2020</b> , 12, 3936   | 3.6  | 16 |
| 96  | Traditional and Innovative Materials for Energy Efficiency in Buildings. <i>Key Engineering Materials</i> , <b>2016</b> , 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> , <b>2018</b> , 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> , <b>2020</b> , 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> , <b>2019</b> , 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> , <b>2014</b> , 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> , <b>2020</b> , 703, 134448 | 10.2 | 14 |
| 90  | Combined Thermal Effect of Cool Roof and Cool Façade on a Prototype Building. <i>Energy Procedia</i> , <b>2015</b> , 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> , <b>2018</b> , 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> , <b>2020</b> , 207, 109592  | 7    | 12 |
| 87  | Intra-urban microclimate investigation in urban heat island through a novel mobile monitoring system. <i>Scientific Reports</i> , <b>2021</b> , 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> , <b>2021</b> , 295, 126409           | 10.3 | 12 |

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|----|--|------|----|
| 85 | Lignocellulosic Ethanol Production from the Recovery of Stranded Driftwood Residues. <i>Energies</i> , <b>2016</b> , 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> , <b>2019</b> , 36, 222-231                | 2.9  | 12 |
| 83 | Thermo-acoustic performance of green roof substrates in dynamic hygrothermal conditions. <i>Energy and Buildings</i> , <b>2018</b> , 178, 140-153  | 7    | 12 |
| 82 | High-albedo roof coatings for reducing building cooling needs <b>2015</b> , 243-268  |      | 11 |
| 81 | A Batch Digester Plant for Biogas Production and Energy Enhancement of Organic Residues from Collective Activities. <i>Energy Procedia</i> , <b>2014</b> , 61, 1669-1672   | 2.3  | 11 |
| 80 | An Innovative Small Sized Anaerobic Digester Integrated in Historic Building. <i>Energy Procedia</i> , <b>2014</b> , 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> , <b>2020</b> , 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> , <b>2020</b> , 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> , <b>2016</b> , 37, 334-354                              | 2.3  | 10 |
| 76 | Quantifying the effects of interior surface reflectance on indoor lighting. <i>Energy Procedia</i> , <b>2017</b> , 134, 306-316  | 2.3  | 10 |
| 75 | Energy Refurbishment of Historical Buildings with Public Function: Pilot Case Study. <i>Energy Procedia</i> , <b>2014</b> , 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> , <b>2020</b> , 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> , <b>2020</b> , 39, 100706 | 4.7  | 9  |
| 72 | Thermal comfort in the historical urban canyon: the effect of innovative materials. <i>Energy Procedia</i> , <b>2017</b> , 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> , <b>2020</b> , 15, 103004   | 6.2  | 9  |
| 70 | Greenery System for Cooling Down Outdoor Spaces: Results of an Experimental Study. <i>Sustainability</i> , <b>2020</b> , 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> , <b>2021</b> , 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> , <b>2018</b> , 7, e269  | 4.7  | 9  |



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| 67 | Dynamic Thermal-energy Performance Analysis of a Prototype Building with Integrated Phase Change Materials. <i>Energy Procedia</i> , <b>2015</b> , 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> , <b>2017</b> , 111, 578-587                                       | 2.3  | 8 |
| 65 | A Cost-Effective Human-Based Energy-Retrofitting Approach <b>2017</b> , 219-255  |      | 8 |
| 64 | Network of buildings Impact on indoor thermal performance. <i>Smart and Sustainable Built Environment</i> , <b>2012</b> , 1, 73-86   | 3    | 8 |
| 63 | Innovative concretes for low-carbon constructions: a review. <i>International Journal of Low-Carbon Technologies</i> , <b>2016</b> ,   | 2.8  | 8 |
| 62 | Trends and gaps in global research of greenery systems through a bibliometric analysis. <i>Sustainable Cities and Society</i> , <b>2021</b> , 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> , <b>2021</b> , 279, 123748                                       | 10.3 | 8 |
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