CITATION REPORT List of articles citing

Passive building energy savings: A review of building envelope components

DOI: 10.1016/j.rser.2011.07.014 Renewable and Sustainable Energy Reviews, 2011, 15, 3617-36

Source: https://exaly.com/paper-pdf/51080795/citation-report.pdf

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
793	Towards Energy Demand Reduction in Social Housing Buildings: Envelope System Optimization Strategies. <i>Energies</i> , 2012 , 5, 2263-2287	3.1	46
792	Modelling and design of a linear predictive controller for a solar powered HVAC system. 2012,		5
791	Progress on Vacuum Insulation Panels in Building Application. 2012 , 178-181, 46-50		
790	Evaluation of Cooling Wall System and Phenolic Resin as Thermal Barrier in Buildings. 2012 , 430-432, 861-865		1
789	Trombe walls: A review of opportunities and challenges in research and development. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 6340-6351	16.2	195
788	Optimization of passive design measures for residential buildings in different Chinese areas. 2012 , 58, 46-57		98
787	Measurements and simulations for peak electrical load reduction in cooling dominated climate. <i>Energy</i> , 2012 , 37, 689-697	7.9	31
786	Sustainable thermal energy storage technologies for buildings: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 2394-2433	16.2	212
785	Performance, materials and coating technologies of thermochromic thin films on smart windows. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 26, 353-364	16.2	222
784	Auditing and analysis of energy consumption of an educational building in hot and humid area. 2013 , 66, 143-152		42
783	Analysis and solution for renewable energy load matching for a single-family house. 2013 , 65, 398-411		39
782	Energy performance analysis of integrating building envelopes with nanomaterials. 2013, 2, 209-223		11
781	Energy performance analysis of a solar-cooled building in Tunisia: Passive strategies impact and improvement techniques. 2013 , 67, 374-386		43
780	Short-term storage systems of thermal energy for buildings: a review. 2013 , 7, 66-119		46
779	Thermal energy storage cement mortar containing n-octadecane/expanded graphite composite phase change material. 2013 , 50, 670-675		204
778	Active free cooling optimization with thermal energy storage in Stockholm. 2013, 109, 523-529		30
777	The Framework of an Optimization Model for Building Envelope. 2013 , 57, 670-677		32

(2014-2013)

776	Climate adaptive building shells: State-of-the-art and future challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 25, 483-493	16.2	300
775	Nanotechnology innovations for the construction industry. 2013 , 58, 1056-1102		195
774	A review of computational optimisation methods applied to sustainable building design. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 22, 230-245	16.2	394
773	Review of passive PCM latent heat thermal energy storage systems towards buildings@nergy efficiency. 2013 , 59, 82-103		610
772	Experimental measurements and numerical model for the summer performance assessment of extensive green roofs in a Mediterranean coastal climate. 2013 , 63, 1-14		76
771	Optimization of passive solar design strategies: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 25, 177-196	16.2	132
770	Analyzing the Optical Performance of Intelligent Thin Films Applied to Architectural Glazing and Solar Collectors. 2013 , 813-826		1
769	A state of the art review of solar walls: Concepts and applications. 2013 , 37, 55-79		22
768	Nanogel Windows. 2013 , 555-582		10
767	SOLVING THE PROBLEMS OF DAYLIGHTING AND TRADITION CONTINUITY IN A RECONSTRUCTED VERNACULAR BUILDING. 2013 , 19, 873-882		35
766	Significance of design for energy conservation in buildings: building envelope components. 2013 , 9, 34		2
765	Integrated Study of a Minimum Exergy Destruction Building Conditioning System. 2013,		
764	Development of System-Integrated Design Prototypes for Zero Emission Buildings. 2013 , 12, 133-140		5
763	Thermal Performance Evaluation of Curtain Wall Frame Types. 2013 , 12, 157-163		6
762	Ventilated Double Window for the Preheating of the Ventilation Air Comparison of Its Performance in a Northern and a Southern European Climate. 2013 , 2013, 1-11		6
761	Investigation of Building Passive Thermal Storage for Optimal Heating System Design. 2014,		
760	References. 179-226		
759	Dialectic Form Finding of Passive and Adaptive Shading Enclosures. <i>Energies</i> , 2014 , 7, 5201-5220	3.1	22

758	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
757	Investigating Skill Gaps in Green Building Skills for Energy Efficiency. 2014 , 1073-1076, 1282-1287		3
756	Building power demand response methods toward smart grid. 2014 , 20, 665-687		50
755	Courtyard Geometry on Solar Heat Gain in Hot-Dry Region. 2014 , 935, 76-79		O
754	DeST-based dynamic simulation and energy efficiency retrofit analysis of commercial buildings in the hot summer/cold winter zone of China: A case in Nanjing. 2014 , 78, 123-131		36
753	Thermal performance of concrete-based roofs in tropical climate. 2014 , 76, 392-401		42
752	Determining sustainable design management using passive design elements for a zero emission house during the schematic design. 2014 , 77, 304-312		22
751	A review on optimized control systems for building energy and comfort management of smart sustainable buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 34, 409-429	16.2	474
750	Minimising the life cycle energy of buildings: Review and analysis. 2014 , 73, 106-114		131
749	Effective reflectivity and heat generation in sucrose and PMMA mixtures. 2014 , 71, 95-103		9
748	Green building researchdurrent status and future agenda: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 30, 271-281	16.2	559
747	Eco-efficient construction and building materials research under the EU Framework Programme Horizon 2020. 2014 , 51, 151-162		147
746	Structure of vacuum insulation panel in building system. 2014 , 85, 644-653		33
745	Probabilistic prediction of green roof energy performance under parameter uncertainty. <i>Energy</i> , 2014 , 77, 667-674	7.9	21
744	Performance demonstration and evaluation of the synergetic application of vanadium dioxide glazing and phase change material in passive buildings. 2014 , 136, 89-97		46
743	Environmental performance of green building code and certification systems. 2014 , 48, 2551-60		32
742	Discussion of the performance improvement of thermochromic smart glazing applied in passive buildings. 2014 , 107, 236-244		29
741	Design optimization and field demonstration of natural ventilation for high-rise residential buildings. 2014 , 82, 457-465		55

(2015-2014)

740	The use of response surface methodology to improve the thermal transmittance of lightweight concrete hollow bricks by FEM. 2014 , 52, 331-344	39
739	A new type of passive solar energy utilization technology. The wall implanted with heat pipes. 2014 , 84, 111-116	33
738	Understanding the Energy Implications of Phase-Change Materials in Concrete Walls through Finite-Element Analysis. 2014 , 140, 04013009	15
737	Framework for assessing the performance potential of seasonally adaptable facades using multi-objective optimization. 2014 , 79, 106-113	63
736	Economic evaluation for cooling and ventilation of medicine storage warehouses utilizing wind catchers. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 38, 12-19	30
735	Simulation-based support for product development of innovative building envelope components. 2014 , 45, 86-95	50
734	A multi-level modelling and evaluation of thermal performance of phase-change materials in buildings. 2014 , 7, 289-308	12
733	Governance for Urban Sustainability and Resilience. 2014 ,	72
732	Energy Efficiency in Buildings in Hot Humid Climatic Regions Using Phase Change Materials as Thermal Mass in Building Envelope. 2014 , 25, 1405-1421	3
731	Methodologies to Reduce Cooling Load using Heat Balance Analysis: A Case Study in an Office Building in a Tropical Country. 2015 , 75, 1269-1274	9
730	Development and construction of a thermoelectric active facade module. 2015 , 3, 15-25	13
729	Developing a BIM-Based Process-Driven Decision-Making Framework for Sustainable Building Envelope Design in the Tropics. 2015 ,	2
728	Infrared-Transparent Visible-Opaque Fabrics for Wearable Personal Thermal Management. 2015 , 2, 769-778	162
727	Effectiveness of High Reflective Roofs in Minimizing Energy Consumption in Residential Buildings in Iraq. 2015 , 118, 879-885	15
726	Optimisation of building shape and orientation for better energy efficient architecture. 2015 , 9, 593-618	36
725	Glazing daylighting performance and Trombe wall thermal performance of a modular fallde system in four different Portuguese cities. 2015 , 24, 544-563	9
724	Outdoor Thermal and Visual Perception of Natural Cool Materials for Roof and Urban Paving. 2015 , 118, 1325-1332	17
7 2 3	Experimental evaluation of an active solar thermoelectric radiant wall system. 2015 , 94, 253-260	73

Multiphysics design optimization model for structural walls incorporating phase-change materials. **2015**, 47, 308-327

721	Innovative evaporative cooling walls. 2015 , 215-240		1
720	A comprehensive review on passive design approaches in green building rating tools. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 50, 1425-1436	16.2	151
719	Thermo-Insulation Properties Of Hemp-Based Products. 2015 , 52, 38-51		9
718	Thermal properties of shape-stabilized phase change materials using fatty acid ester and exfoliated graphite nanoplatelets for saving energy in buildings. 2015 , 143, 168-173		82
717	The applicability of the wall implanted with heat pipes in winter of China. 2015, 104, 36-46		17
716	Preparation and characterization of high porosity cement-based foam material. 2015, 91, 133-137		59
715	The effects of interior emissivity and room layout on forced air space-conditioning power usage. 2015 , 89, 216-228		6
714	Social problems of green buildings: From the humanistic needs to social acceptance. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 51, 1594-1609	16.2	106
713	Evaluation of the performance indices of a ventilated double window through experimental and analytical procedures: SHGC-values. 2015 , 86, 886-897		23
712	Design of composite tank covers. 2015 , 134, 72-81		8
711	Energy performance analysis of variable thermal resistance envelopes in residential buildings. 2015 , 103, 317-325		72
710	Flame Retardant, Heat Insulating Cellulose Aerogels from Waste Cotton Fabrics by in Situ Formation of Magnesium Hydroxide Nanoparticles in Cellulose Gel Nanostructures. 2015 , 3, 1853-1859		138
709	Design optimization and optimal control of grid-connected and standalone nearly/net zero energy buildings. 2015 , 155, 463-477		149
708	Energy consumption and efficiency in buildings: current status and future trends. 2015 , 109, 118-130		341
707	Numerical modeling of thermal behaviors of active multi-layer living wall. 2015 , 106, 96-110		22
706	Energy and environmental assessment of industrial hemp for building applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 51, 29-42	16.2	119
705	Computational analysis of wind interactions for comparing different buildings sites in terms of natural ventilation. 2015 , 88, 73-82		9

(2016-2015)

704	An Experimental Investigation of a Novel Trombe Wall with Venetian Blind Structure. 2015 , 70, 691-698		8
703	A review on natural ventilation applications through building fallde components and ventilation openings in tropical climates. 2015 , 101, 153-162		113
702	Multi-criteria approach to passive space design in buildings: Impact of courtyard spaces on public buildings in cold climates. 2015 , 89, 295-307		26
701	Configured cavity-core matrix for vacuum insulation panel: Concept, preparation and thermophysical properties. 2015 , 97, 98-106		11
700	Thermal insulation, power generation, lighting and energy saving performance of heat insulation solar glass as a curtain wall application in Taiwan: A comparative experimental study. 2015 , 96, 31-38		51
699	A Hedera green fallde Œnergy performance and saving under different maritime-temperate, winter weather conditions. 2015 , 92, 111-121		52
698	Solar cooling with hydrophilic porous materials for reducing building cooling needs. 2015 , 269-305		1
697	Green real estate development in China: State of art and prospect agendal review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 47, 1-13	5.2	59
696	Natural ventilation of lower-level floors assisted by the mechanical ventilation of upper-level floors via a stack. 2015 , 92, 296-305		18
695	Performance assessment of earth pipe cooling system for low energy buildings in a subtropical climate. 2015 , 106, 815-825		25
694	Impact evaluation of the indoor environmental performance of animate spaces in buildings. 2015 , 94, 353-370		8
693	Hygromorphic materials for sustainable responsive architecture. 2015 , 98, 570-582		72
692	Study of the thermal performances of an exterior wall of barley straw sand concrete in an arid environment. 2015 , 87, 166-175		49
691	Personal thermal management by metallic nanowire-coated textile. 2015 , 15, 365-71		280
690	Vacuum tube window technology for highly insulating building fabric: An experimental and numerical investigation. 2015 , 111, 83-91		31
689	Green wall systems: A review of their characteristics. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 41, 863-871	5.2	249
688	A state-of-the-art review on innovative glazing technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 41, 695-714	5.2	189
687	Analysis of energy demand in residential buildings for different climates by means of dynamic simulation. 2016 , 37, 108-120		21

686	Sustainable Buildings: opportunities, challenges, aims and vision. 2016 , 1, E1	О
685	Performance Evaluation of Hybrid Earth Pipe Cooling with Horizontal Piping System. 2016 , 1-30	1
684	Measuring the Actual Energy Cost Performance of Green Buildings: A Test of the Earned Value Management Approach. <i>Energies</i> , 2016 , 9, 188	8
683	Intrinsic Evaporative Cooling by Hygroscopic Earth Materials. 2016 , 6, 38	9
682	Natural Ventilation Building Design Approach in Mediterranean Regions A Case Study at the Valencian Coastal Regional Scale (Spain). 2016 , 8, 855	12
681	Building energy-consumption status worldwide and the state-of-the-art technologies for zero-energy buildings during the past decade. 2016 , 128, 198-213	559
680	Application of Low Cost Active and Passive Energy Saving Technologies in an Ultra-low Energy Consumption Building. 2016 , 88, 807-813	11
679	Design of a durable roof slab insulation system for tropical climatic conditions. 2016 , 3, 1196526	13
678	The role of phase change materials for the sustainable energy. 2016 , 10, 00068	4
677	Relationships between Building Characteristics and Airtightness of Dutch Dwellings. 2016 , 96, 580-591	19
676	Carbon Dioxide (CO2) Sequestration and Air Temperature Amelioration Provided by Urban Parks in Rome. 2016 , 101, 408-415	7
675	Drivers of moderate increase in cooling energy use in residential buildings in Hong Kong. 2016 , 125, 19-26	12
674	Classifying System for Falldes and Anomalies. 2016 , 30, 04014187	13
673	Heat pipe structure on heat transfer and energy saving performance of the wall implanted with heat pipes during the heating season. 2016 , 102, 633-640	15
672	Bio-inspired effective and regenerable building cooling using tough hydrogels. 2016 , 168, 332-339	27
671	Achieving environmentally friendly building envelope for Western Australia housing sector: A life cycle assessment approach. 2016 , 5, 210-224	22
670	Effect of nano vacuum insulation panel and nanogel glazing on the energy performance of office building. 2016 , 173, 141-151	28
669	A review on phase change material (PCM) for sustainable passive cooling in building envelopes. Renewable and Sustainable Energy Reviews, 2016, 60, 1470-1497	486

(2016-2016)

668	Low-cost solar thermal based adaptive window: Combination of energy-saving and self-adjustment in buildings. 2016 , 133, 274-282		19
667	Lightweight aggregates from waste materials: Reappraisal of expansion behavior and prediction schemes for bloating. 2016 , 127, 394-409		78
666	The Sustainability of Adaptive Envelopes: Developments of Kinetic Architecture. 2016 , 155, 275-284		52
665	Double layer water-borne heat insulation coatings containing hollow glass microspheres (HGMs). 2016 , 45, 346-353		5
664	Sustainable building strategies on regional scale: Proposal for the Valencian region in Spain. 2016 , 25, 1054-1064		5
663	Cooling potential and applications prospects of passive radiative cooling in buildings: The current state-of-the-art. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 65, 1079-1097	16.2	142
662	Energy performance and economic viability of nano aerogel glazing and nano vacuum insulation panel in multi-story office building. <i>Energy</i> , 2016 , 113, 949-956	7.9	45
661	Thermal performance of double skin fallde with built-in pipes utilizing evaporative cooling water in cooling season. 2016 , 137, 55-65		30
660	Getting to net zero energy building: Investigating the role of vehicle to home technology. 2016 , 130, 465-476		64
659	Review of passive heating/cooling systems of buildings. 2016 , 4, 305-333		44
658	Optimization of residential roof design using system dynamics and building information modelling. 2016 , 193-197		
657	Thermal response measurement of building insulating materials by infrared thermography. 2016 , 133, 559-564		18
656	Sustainability of glass in construction. 2016 , 79-104		6
655	Energy Cost-Efficient Rehabilitation Measures for the Portuguese Residential Buildings Constructed in the 1960¶990 Period. 2016 , 23-42		3
654	Roof cooling by direct evaporation from a porous layer. 2016 , 127, 521-528		22
653	Periodic modeling of semi-transparent photovoltaic thermal-trombe wall (SPVT-TW). 2016 , 135, 265-273		35
652	Fabrication and characterization of low-cost and green vacuum insulation panels with fumed silica/rice husk ash hybrid core material. 2016 , 107, 440-449		25
651	Energy performance analysis of variable reflectivity envelope systems for commercial buildings. 2016 , 124, 88-98		31

650	Energy simulation for a high-rise building using IDA ICE: Investigations in different climates. 2016 , 9, 629-640		7
649	Application of passive wall systems for improving the energy efficiency in buildings: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 62, 1252-1269	16.2	133
648	Energy supply in a green school via a photovoltaic-thermal power system. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 57, 713-720	16.2	8
647	The application of air layers in building envelopes: A review. 2016 , 165, 707-734		96
646	Energy performance of building envelopes integrated with phase change materials for cooling load reduction in tropical Singapore. 2016 , 162, 207-217		195
645	A state of the art review of evaporative cooling systems for building applications. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 54, 1240-1249	16.2	128
644	Green buildings cost premium: A review of empirical evidence. 2016 , 110, 396-403		125
643	Numerical analysis on thermal performance of naturally ventilated roofs with different influencing parameters. 2016 , 22, 86-93		33
642	Prospects of energy conservation and management in buildings The Saudi Arabian scenario versus global trends. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 58, 1647-1663	16.2	44
641	The impact of building orientation and discount rates on a Portuguese reference building refurbishment decision. 2016 , 91, 329-340		25
640	A taxonomy of data types and data collection methods for building energy monitoring and performance simulation. 2016 , 10, 263-293		13
639	A review of research and development on water wall for building applications. 2016 , 112, 198-208		15
638	EPBD cost-optimal methodology: Application to the thermal rehabilitation of the building envelope of a Portuguese residential reference building. 2016 , 111, 12-25		47
637	The effect of building envelope on the thermal comfort and energy saving for high-rise buildings in hotBumid climate. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 53, 1508-1519	16.2	149
636	Passive thermal control in residential buildings using phase change materials. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 55, 371-398	16.2	182
635	An overview of domestic energy consumption in the UK: past, present and future. 2016 , 37, 428-435		4
634	Innovative technologies for NZEBs: An energy and economic analysis tool and a case study of a non-residential building for the Mediterranean climate. 2016 , 121, 318-343		55
633	Experimental determination and fractal modeling of the effective thermal conductivity of autoclaved aerated concrete: Effects of moisture content. 2016 , 92, 589-602		82

632	Evaluation of the impacts of end-of-life management strategies for deconstruction of a high-rise concrete framed office building. 2017 , 185, 1595-1603	35
631	Office building cooling load reduction using thermal analysis method [A case study. 2017, 185, 1574-1584	35
630	Evaluating the impact of green roof evapotranspiration on annual building energy performance. 2017 , 14, 479-489	24
629	Building Integrated Photovoltaics. 2017 , 579-589	2
628	Morphological characterization and applications of phase change materials in thermal energy storage: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 72, 128-145	162
627	Evaluating the embodied environmental impacts of major building tasks and materials of apartment buildings in Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 73, 135-144	32
626	Energy efficiency in the Romanian residential building stock: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 349-363	32
625	A comparative energy analysis of three electrochromic glazing technologies in commercial and residential buildings. 2017 , 192, 95-109	72
624	Bionic building energy efficiency and bionic green architecture: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 771-787	37
623	A numerical study on influences of building envelope heat gain on operating performances of a bed-based task/ambient air conditioning (TAC) system in energy saving and thermal comfort. 2017 , 192, 213-221	49
622	Infrared Regulating Smart Window Based on Organic Materials. 2017, 7, 1602209	193
621	Assessing Staff Satisfaction with Indoor Environmental Quality in Assisted Living Facilities. 2017 , 42, 67-84	3
620	The effects of microstructure on optical and thermal properties of porous silica films. 2017 , 320, 174-177	3
619	Effect of the thermal insulation layer location on wall dynamic thermal response rate under the air-conditioning intermittent operation. 2017 , 10, 79-85	25
618	A numerical and experimental study of a cellular passive solar fallde system for building thermal control. 2017 , 149, 102-113	21
617	Simulation Based Analysis on the Energy Conservation Effect of Green Wall Installation for Different Building Types in a Campus. 2017 , 111, 226-234	13
616	Multi-criteria selection of fa∃de systems based on sustainability criteria. 2017 , 121, 67-78	34
615	Numerical investigation of energetic effects of flow-through wall elements. 2017 , 12, 51-59	1

Modelling and development of energy management system in a domestic building: Case study. 614 2017, Energy efficiency improvement opportunities and associated greenhouse gas abatement costs for 613 7.9 25 the residential sector. *Energy*, **2017**, 118, 795-807 Buildings with ETFE foils: A review on material properties, architectural performance and structural 612 57 behavior. 2017, 131, 411-422 Simulation-based optimization of PCM melting temperature to improve the energy performance in 611 153 buildings. 2017, 202, 420-434 Moisture buffering phenomenon and its impact on building energy consumption. 2017, 124, 337-345 610 64 Numerical study on energy efficiency and economy of a pipe-embedded glass envelope directly 609 22 utilizing ground-source water for heating in diverse climates. 2017, 150, 878-889 The Energy Saving and Indoor Comfort Improvements with Latent Thermal Energy Storage in 608 18 Building Retrofits in Canada. 2017, 111, 462-471 Estimation and projection of institutional building electricity consumption. 2017, 143, 43-52 607 4 Property tax assessment incentive for green building: Energy saving based-model. Energy, 2017, 606 7.9 19 122, 329-339 A dynamic experimental study on the evaporative cooling performance of porous building 605 materials. 2017, 53, 2651-2662 The effect of green envelope components on green building value. 2017, 35, 181-201 6 604 Comparative performance assessment of a non-ventilated and ventilated BIPV rooftop 603 configurations in the Netherlands. **2017**, 146, 389-400 602 Formulation of an OTTV for walls of bedroom in Thailand. 2017, 113, 334-344 8 Programmable Kiri-Kirigami Metamaterials. 2017, 29, 1604262 601 157 Energy saving potential of pipe-embedded building envelope utilizing low-temperature hot water 600 31 in the heating season. **2017**, 138, 318-331 Modeling household energy expenditure in the United States. Renewable and Sustainable Energy 16.2 46 599 Reviews, 2017, 69, 822-832 Cool colored coating and phase change materials as complementary cooling strategies for building 68 598 cooling load reduction in tropics. 2017, 190, 57-63 Review on energy savings by solar control techniques and optimal building orientation for the 597 71 strategic placement of fallde shading systems. 2017, 140, 458-479

596	Analysis on the performance of a high efficiency administrative building in Spain. 2017 , 14, 55-62	18
595	Advances in Complex Societal, Environmental and Engineered Systems. 2017,	3
594	A review on the application of Trombe wall system in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 70, 976-987	2 129
593	The impact of evaporation from porous tile on roof thermal performance: A case study of Guangzhou climatic conditions. 2017 , 136, 161-172	19
592	Regulating top albedo and bottom emissivity of concrete roof tiles for reducing building heat gains. 2017 , 156, 218-224	88
591	Energy in buildings P olicy, materials and solutions. 2017 , 4, 1	11
590	Life cycle cost analysis of energy-efficient buildings subjected to earthquakes. 2017 , 154, 581-589	16
589	Warming up human body by nanoporous metallized polyethylene textile. 2017 , 8, 496	162
588	Thermal performance and service life of vacuum insulation panels with aerogel composite cores. 2017 , 154, 606-617	77
587	Effect of irrigation on the experimental thermal performance of a green roof in a semi-warm climate in Mexico. 2017 , 154, 232-243	19
586	The Impact of Different Insulation Options on the Life Cycle Energy Demands of a Hypothetical Residential Building. 2017 , 180, 128-135	6
585	Experimental investigation and numerical evaluation of adoption of multi-layered wall with vacuum insulation panel for typical Mediterranean climate. 2017 , 152, 108-123	14
584	A novel design of solar chimney for cooling load reduction and other applications in buildings. 2017 , 153, 219-230	21
583	Building energy efficiency: Passive technology or active technology?. 2017 , 26, 729-732	18
582	A porous building approach for modelling flow and heat transfer around and inside an isolated building on night ventilation and thermal mass. <i>Energy</i> , 2017 , 141, 1914-1927	17
581	Energy demand prediction through novel random neural network predictor for large non-domestic buildings. 2017 ,	15
580	Passive Cooling Energy Systems SWOT Analyses for Energy-use Reductions at Three Spatial Levels. 2017 , 105, 3411-3418	8
579	Energy performance analysis of a dormitory building based on different orientations and seasonal variations of leaf area index. 2017 , 10, 887-903	10

578	Building Thermal Performance, Extreme Heat, and Climate Change. 2017, 23, 04016043		15
577	A complex roof incorporating phase change material for improving thermal comfort in a dedicated test cell. 2017 , 101, 450-461		13
576	Energy saving evaluation of passive systems for residential buildings in hot and dry regions. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 68, 432-446	16.2	57
575	A comprehensive analysis of the credits obtained by LEED 2009 certified green buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 68, 370-379	16.2	83
574	Enhancing the energy conservation benefits of shade trees in dense residential developments using an alternative tree placement strategy. 2017 , 158, 62-74		16
573	A state of art of review on interactions between energy performance and indoor environment quality in Passive House buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 72, 1303-1319	16.2	71
572	How plants inspire falldes. From plants to architecture: Biomimetic principles for the development of adaptive architectural envelopes. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 67, 692-703	16.2	68
571	Assessment of energy and environmental performances of a bioclimatic dwelling in Algeria's North. 2017 , 38, 64-88		4
570	Plastics in Buildings and Construction. 2017 , 635-649		9
569	Thermophysical and hydric properties estimation based on a double inverse analysis. 2017 , 53, 1375-13	389	
569 568	Thermophysical and hydric properties estimation based on a double inverse analysis. 2017 , 53, 1375-12. Comparative Study of Passive Methods for Reducing Cooling Load. 2017 , 142, 2689-2697	389	5
•		389	5
568	Comparative Study of Passive Methods for Reducing Cooling Load. 2017 , 142, 2689-2697 Experimental Analysis of Transparent Insulation Based on Poly-carbonate Multi-Wall Systems:	389	
568 567	Comparative Study of Passive Methods for Reducing Cooling Load. 2017 , 142, 2689-2697 Experimental Analysis of Transparent Insulation Based on Poly-carbonate Multi-Wall Systems: Thermal and Optical Performance. 2017 , 132, 502-507	389	5
568 567 566	Comparative Study of Passive Methods for Reducing Cooling Load. 2017, 142, 2689-2697 Experimental Analysis of Transparent Insulation Based on Poly-carbonate Multi-Wall Systems: Thermal and Optical Performance. 2017, 132, 502-507 From high-energy demands to nZEB: the retrofit of a school in Catalonia, Spain. 2017, 140, 141-150 Investigation on Passive Energy-saving Technologies of Demonstration Houses in Taohai Pasture.	389	5
568 567 566 565	Comparative Study of Passive Methods for Reducing Cooling Load. 2017, 142, 2689-2697 Experimental Analysis of Transparent Insulation Based on Poly-carbonate Multi-Wall Systems: Thermal and Optical Performance. 2017, 132, 502-507 From high-energy demands to nZEB: the retrofit of a school in Catalonia, Spain. 2017, 140, 141-150 Investigation on Passive Energy-saving Technologies of Demonstration Houses in Taohai Pasture. 2017, 205, 2910-2917 Qualitative Experimental research on thermal response of interior finishing material under	389	5 16 1
568 567 566 565 564	Comparative Study of Passive Methods for Reducing Cooling Load. 2017, 142, 2689-2697 Experimental Analysis of Transparent Insulation Based on Poly-carbonate Multi-Wall Systems: Thermal and Optical Performance. 2017, 132, 502-507 From high-energy demands to nZEB: the retrofit of a school in Catalonia, Spain. 2017, 140, 141-150 Investigation on Passive Energy-saving Technologies of Demonstration Houses in Taohai Pasture. 2017, 205, 2910-2917 Qualitative Experimental research on thermal response of interior finishing material under air-conditioning intermittent running. 2017, 205, 410-414	389	51612

560	Thermal evaluation for exposed stone house with quantitative and qualitative approach in mountainous area, Wonosobo, Indonesia. 2017 , 99, 012017		1
559	Sustainable Materialisation of Responsive Architecture. 2017 , 9, 435		36
558	Form Follows Environment: Biomimetic Approaches to Building Envelope Design for Environmental Adaptation. 2017 , 7, 40		33
557	Renewable Energy Potential by the Application of a Building Integrated Photovoltaic and Wind Turbine System in Global Urban Areas. <i>Energies</i> , 2017 , 10, 2158	1	8
556	Multi-objective optimization of a residential building envelope in the Bahamas. 2017,		1
555	Potential of Utilizing Different Natural Cooling Sources to Reduce the Building Cooling Load and Cooling Energy Consumption: A Case Study in Urumqi. <i>Energies</i> , 2017 , 10, 366	1	10
554	A Non-Ventilated Solar Fallde Concept Based on Selective and Transparent Insulation Material Integration: An Experimental Study. <i>Energies</i> , 2017 , 10, 815	1	12
553	Evaluation of the Passive Cooling Strategies for Pei Min Sport Complex. 2017 , 217, 012025		
552	A lab-based study of subground passive cooling system for indoor temperature control. 2017,		1
551	Substrate Depth, Vegetation and Irrigation Affect Green Roof Thermal Performance in a Mediterranean Type Climate. 2017 , 9, 1451		17
550	Performance analysis of heat and energy recovery ventilators using exergy analysis and nonequilibrium thermodynamics. 2018 , 170, 195-205		12
549	Numerical study on the thermal performance of lightweight temporary building integrated with phase change materials. 2018 , 138, 35-47		31
548	A numerical study of adaptive building enclosure systems using solidBolid phase change materials with variable transparency. 2018 , 167, 240-252		27
547	VO2/TiO2 bilayer films for energy efficient windows with multifunctional properties. 2018 , 6, 4485-4493		28
546	Overheating protection of solar thermal falldes with latent heat storages based on paraffin-polymer compounds. 2018 , 169, 254-259		16
545	Concurrent seismic and energy retrofitting of RC and masonry building envelopes using inorganic textile-based composites combined with insulation materials: A new concept. 2018 , 148, 166-179		52
544	Cost-effectiveness of active and passive design strategies for existing building retrofits in tropical climate: Case study of a zero energy building. 2018 , 183, 35-45		72
543	Thermal Modeling of a Rooftop Photovoltaic/Thermal System With Earth Air Heat Exchanger for Combined Power and Space Heating. 2018 , 140,		14

542	Experimental assessment of thermal performance of three passive cooling techniques for roofs in a semi-arid climate. 2018 , 164, 153-164	17
541	A review of clear sky radiative cooling developments and applications in renewable power systems and passive building cooling. 2018 , 178, 115-128	176
540	A systematic review of Prefabricated Enclosure Wall Panel Systems: Focus on technology driven for performance requirements. 2018 , 40, 688-703	7
539	The modelling gap: Quantifying the discrepancy in the representation of thermal mass in building simulation. 2018 , 131, 74-98	22
538	Effect of the insulation materials filling on the thermal performance of sintered hollow bricks. 2018 , 11, 62-70	28
537	Multistory building envelope: Creative design and enhanced performance. 2018 , 159, 710-721	19
536	Sensitivity analysis of energy performance and thermal comfort throughout building design process. 2018 , 164, 278-294	35
535	A comprehensive study on green roof performance for retrofitting existing buildings. 2018 , 136, 227-239	85
534	Optimizing the evaluation of building envelope design for thermal performance using a BIM-based overall thermal transfer value calculation. 2018 , 136, 128-145	42
533	Dynamic energy assessment to analyze different refurbishment strategies of existing dwellings placed in Madrid. <i>Energy</i> , 2018 , 152, 1011-1023	13
532	Graphical visualisation assist analysis of indoor environmental performance: Impact of atrium spaces on public buildings in cold climates. 2018 , 27, 331-347	5
531	Evaluation for social and humanity demand on green residential districts in China based on SLCA. 2018 , 23, 640-650	10
530	Earth-sheltered buildings in hot-arid climates: Design guidelines. 2018 , 7, 397-406	2
529	Energy-saving potential by changing window position and size in an isolated building. 2018, 39, 462-466	9
528	Application of life cycle assessment approach to deliver low carbon houses at regional level in Western Australia. 2018 , 23, 204-224	11
527	Opportunities and challenges in energy demand reduction for Canadian residential sector: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 2005-2016	28
526	Numerical evaluation on energy saving potential of a solar photovoltaic thermoelectric radiant wall system in cooling dominant climates. <i>Energy</i> , 2018 , 142, 384-399	46
525	Techno-economical Analysis based on a Parametric Computational Evaluation for decision process on envelope technologies and configurations. 2018 , 158, 736-749	8

524	Thermal inertia in buildings: A review of impacts across climate and building use. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 2300-2318	16.2	158
523	A review on energy conscious designs of building falldes in hot and humid climates: Lessons for (and from) Kuala Lumpur and Darwin. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 2147-2161	16.2	45
522	The effect of passive measures on thermal comfort and energy conservation. A case study of the hot summer and cold winter climate in the Yangtze River region. 2018 , 15, 298-310		67
521	Ventilated Active Thermoelectric Envelope (VATE): Analysis of its energy performance when integrated in a building. 2018 , 158, 1586-1592		23
520	Mechanically Resistant and Sustainable Cellulose-Based Composite Aerogels with Excellent Flame Retardant, Sound-Absorption, and Superantiwetting Ability for Advanced Engineering Materials. 2018 , 6, 927-936		77
519	Simulation tools application for artificial lighting in buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 3007-3026	16.2	33
518	Comparative analysis on thermal performance of different wall insulation forms under the air-conditioning intermittent operation in summer. 2018 , 130, 429-438		27
517	Implementation of expansion planning in existing district energy system: A case study in China. 2018 , 211, 269-281		37
516	Towards adoption of building energy simulation and optimization for passive building design: A survey and a review. 2018 , 158, 1306-1316		105
515	Developing a passive house with a double-skin envelope based on energy and airflow performance. 2018 , 11, 373-388		6
514	Thermal Performance Through the Use of Radiant Barrier and Phase Change Material in Concrete Flat Roofs. 2018 , 454, 012058		1
513	Energy Consumption Optimization Measures for Buildings in the Midwest Regions of USA. 2018 , 8, 170		10
512	Advanced energy architectural configurations and its influence on the indoor environment in various climatic regions. 2018 , 5, 1469954		
511	Infrared Thermography for Assessing Thermal Bridges and Humidity in Lebanese Building Components. 2018 ,		1
510	Techno-Economic Analysis of a Peltier Heating Unit System Integrated into Ventilated Fallde. 2018 ,		1
509	Nanocoatings for Smart Textiles. 2018 , 247-300		8
508	The reduction of energy requirement by adapting the mosques building envelope for the six climatic zones of Morocco. 2018 ,		3
507	The ends required to justify the means for sustainable affordable housing: A review on critical success criteria. 2018 , 27, 781		4

506	Scenarios of energy efficiency and CO2 emissions reduction potential in the buildings sector in China to year 2050. 2018 , 3, 978-984	120
505	Thermal behavior and energy saving analysis of a flat with different energy efficiency measures in six climates. 2018 , 11, 1123-1144	19
504	Development of a Surface Temperature Sensor to Enhance Energy Efficiency Actions in Buildings. 2018 , 18,	3
503	Quantification of heat energy losses through the building envelope: A state-of-the-art analysis with critical and comprehensive review on infrared thermography. 2018 , 146, 190-205	83
502	Computational performance analysis of overheating mitigation measures in parked vehicles. 2018 , 231, 635-644	3
501	Pollution and energy reduction strategy in soft drink industries. 2018 , 25, 28153-28159	7
500	Effect of water flow on performance of building integrated semi-transparent photovoltaic thermal system: A comparative study. 2018 , 174, 248-262	8
499	Review on performance aspects of nearly zero-energy districts. 2018 , 43, 406-420	56
498	Correlation of Building Parameters with Energy Reduction. 2018,	1
497	Financial viability of PCMs in countries with low energy cost: A case study of different climates in Iran. 2018 , 173, 128-137	30
496	Potential and challenges of immersive virtual environments for occupant energy behavior modeling and validation: A literature review. 2018 , 19, 302-319	18
495	Advanced Building Energy Efficiency Systems. 2018 , 45-115	1
494	In situ measurement of falldes with a low U-value: Avoiding deviations. 2018, 170, 61-73	28
493	Mechanism and preliminary performance analysis of exhaust air insulation for building envelope wall. 2018 , 173, 516-529	18
492	Building energy performance analysis of ultra-high-performance fiber-reinforced concrete (UHP-FRC) fallde systems. 2018 , 174, 262-275	12
491	Effect of Argon Filling Ratio on Heat Transfer Coefficient of Double-Glazing. 2018, 327-336	
490	. 2018,	3
489	Comparative studies of energy saving polymers and fabrication of high performance transparent polymer by solvent bonding. 2018 , 39, 68-75	

488	Numerical study of flow-through wall elements with phase@hange materials. 2018, 20, 105-113	2
487	Phase change humidity control material and its impact on building energy consumption. 2018 , 174, 254-261	34
486	Artificial Neural Network for Assessment of Energy Consumption and Cost for Cross Laminated Timber Office Building in Severe Cold Regions. 2018 , 10, 84	23
485	Phase Change Material (PCM) Application in a Modernized Korean Traditional House (Hanok). 2018 , 10, 948	6
484	Cost Implication of Implementing External Facade Systems for Commercial Buildings. 2018 , 10, 1917	6
483	A New Model for Optimal Mechanical and Thermal Performance of Cement-Based Partition Wall. 2018 , 11,	3
482	Passive Building Walls. 2018, 1165-1201	
481	Energy Storage by Sensible Heat for Buildings. 2018 , 953-993	
480	Survey dataset on architect?s awareness and adoption of building envelope technologies for energy efficient housing in Lagos State. 2018 , 19, 1894-1901	3
479	Solar facade module for nearly zero energy building. <i>Energy</i> , 2018 , 157, 1025-1034 7.9	41
478	Optimization of the wall thermal insulation characteristics based on the intermittent heating operation. 2018 , 9, e00188	12
477	Holistic sustainability assessment of green building industry in Turkey. 2018 , 202, 197-212	35
476	Design and Climate-Responsiveness Performance Evaluation of an Integrated Envelope for Modular Prefabricated Buildings. 2018 , 2018, 1-14	2
475	Kinematic characterization of the pressure-dependent PCM impregnation process for radiata pine wood samples. 2018 , 76, 1461-1469	10
474	5.1 Energy Auditing. 2018 , 1-44	0
473	Effects of neighborhood building density, height, greenspace, and cleanliness on indoor environment and health of building occupants. 2018 , 145, 213-222	37
472	Application of passive measures for energy conservation in buildings 🗈 review. 2019 , 13, 282-315	21
47 ¹	Life cycle assessment and life cycle costing of container-based single-family housing in Canada: A case study. 2019 , 163, 106332	25

470	A parametric study of phase change material characteristics when coupled with thermal insulation for different Australian climatic zones. 2019 , 163, 106317	18
469	Design optimization and experimental evaluation of photovoltaic double skin facade. 2019 , 202, 109314	9
468	Research on the Literature of Green Building Based on the Web of Science: A Scientometric Analysis in CiteSpace (2002\(\textbf{D}\)018). 2019 , 11, 3716	43
467	A molecular dynamics study of the effects of crystalline structure transition on the thermal conductivity of pentaerythritol as a solid-solid phase change material. 2019 , 141, 789-798	12
466	Numerical analysis on the load reduction of a pipe-embedded window with different water temperatures and structures under different climates. 2019 , 25, 1187-1198	0
465	Adaptive biomimetic facades: Enhancing energy efficiency of highly glazed buildings. 2019 , 8, 319-331	16
464	A probabilistic-based approach to support the comfort performance assessment of existing buildings. 2019 , 237, 117720	10
463	Energy performance and thickness optimization of hemp wool insulation and air cavity layers integrated in Moroccan building walls 2019 , 20, 273-288	17
462	Evaluation of low-impact modular housing using energy optimization and life cycle analysis. 2019 , 4, 286-299	7
461	Devices for promising applications. 2019 , 247-314	
460	Transparent nanomaterial-based solar cool coatings: Synthesis, morphologies and applications. 2019 , 193, 837-858	23
459	Optimization of passive design measures for residential buildings in Chinese hot summer and cold winter areas. 2019 , 310, 022058	
458	Influence of EPS filling methods and filling rates on thermal insulation performance of composite self-insulating blocks. 2019 , 310, 042060	О
457	Dynamic assessment of the thermal performance of hemp wool insulated external building walls according to the Moroccan climatic zoning. <i>Journal of Energy Storage</i> , 2019 , 26, 101007	9
456	The effect of envelope components on thermal performance of rural houses in Hubei, China. 2019 , 28, 1272-1287	2
455	Effect of Phenolic Particles on Mechanical and Thermal Conductivity of Foamed Sulphoaluminate Cement-Based Materials. 2019 , 12,	5
454	Improvements of building envelope using passive cooling techniques to reduce the cooling load in hot-dry regions. 2019 , 48, 3831-3842	2
453	Impact of Low-E Window Films on Energy Consumption and CO2 Emissions of an Existing UK Hotel Building. 2019 , 11, 4265	16

452	Critical Performance Aspects of Retrofitting Apartment Buildings Using a Multifunctional Fallde System. 2019 , 9, 184	1
451	A design-driven approach to integrate high-performance photovoltaics devices on the building faBde. 2019 , 294, 012030	1
450	Thermochromic VO2 films for smart windows application. 2019 , 261, 05004	
449	Thermal Data Fusion for Building Insulation. 2019 ,	2
448	Determination of the optimal thickness of vertical air channels in double-skin solar falldes. 2019 , 158, 1255-1260	1
447	Thermal behaviour of Trombe wall with venetian blind in summer and transition seasons. 2019 , 158, 1059-106	54 5
446	Scientometric of Nearly Zero Energy Building Research: A Systematic Review from the Perspective of Co-Citation Analysis. 2019 , 28, 1104-1114	3
445	Experimental study on the impact of facade design on indoor thermal environment in tropical residential buildings. 2019 , 166, 106418	13
444	Experimental determination and fractal modeling of the effective thermal conductivity of autoclave aerated concrete (AAC) impregnated with paraffin for improved thermal storage performance. 2019 , 163, 114387	6
443	Factors contributing in the design of environmentally sustainable mosques. 2019 , 23, 27-37	11
442	Energy: Current Approach. 2019 , 145-159	1
441	Determination of the association between indoor and outdoor temperature in selected houses and its application: a pilot study. 2019 , 1-35	1
440	Optimizing the energy consumption in a residential building at different climate zones: Towards sustainable decision making. 2019 , 233, 634-649	20
439	Multifunctional Janus fibrous hybrid membranes with sandwich structure for on-demand personal thermal management. 2019 , 63, 103808	57
438	Exploring the effects of a building retrofit to improve energy performance and sustainability: A case study of Korean public buildings. 2019 , 25, 100822	21
437	Optical fiber light scattering outdoor tests for interior daylighting. 2019 , 198, 138-148	8
436	Heat transfer performance of the Trombe wall implanted with heat pipes during daytime in winter. 2019 , 25, 935-944	5
435	Green and sustainable practices in the construction industry. 2019 , 26, 1063-1086	31

434	A Healthy, Energy-Efficient and Comfortable Indoor Environment, a Review. <i>Energies</i> , 2019 , 12, 1414 3.1	43
433	Study of Passive Adjustment Performance of Tubular Space in Subway Station Building Complexes. 2019 , 9, 834	6
432	A method to describe the thermal property of pipe-embedded double-skin fallde: Equivalent glass window. 2019 , 195, 33-44	10
431	Effective use of venetian blind in Trombe wall for solar space conditioning control. 2019 , 250, 452-460	33
430	Direct spray-coating of highly robust and transparent Ag nanowires for energy saving windows. 2019 , 62, 111-116	131
429	Stochastic optimized chiller operation strategy based on multi-objective optimization considering measurement uncertainty. 2019 , 195, 149-160	13
428	The effect of neighbourhood-level urban form on residential building energy use: A GIS-based model using building energy benchmarking data in Seattle. 2019 , 196, 124-133	29
427	Reutilization of dredged harbor sediment and steel slag by sintering as lightweight aggregate. 2019 , 126, 287-296	24
426	Thermal performance of thermal paint and surface coatings in buildings in heating dominated climates. 2019 , 197, 196-213	6
425	A review of performance of zero energy buildings and energy efficiency solutions. 2019 , 25, 100772	116
425 424	A review of performance of zero energy buildings and energy efficiency solutions. 2019 , 25, 100772 Critical success factors (CSFs) for sustainable affordable housing. 2019 , 156, 203-214	73
424	Critical success factors (CSFs) for sustainable affordable housing. 2019 , 156, 203-214 PMV-based dynamic optimization of energy consumption for a residential task/ambient air	73
424 423	Critical success factors (CSFs) for sustainable affordable housing. 2019, 156, 203-214 PMV-based dynamic optimization of energy consumption for a residential task/ambient air conditioning system in different climate zones. 2019, 142, 41-54	73
424 423 422	Critical success factors (CSFs) for sustainable affordable housing. 2019, 156, 203-214 PMV-based dynamic optimization of energy consumption for a residential task/ambient air conditioning system in different climate zones. 2019, 142, 41-54 Nationwide savings analysis of energy conservation measures in buildings. 2019, 188, 1-18 Effects of sample length on the transient measurement results of water vapor diffusion coefficient of porous building materials: A case study of autoclave aerated concrete (AAC) with various	73 19 26
424 423 422 421	Critical success factors (CSFs) for sustainable affordable housing. 2019, 156, 203-214 PMV-based dynamic optimization of energy consumption for a residential task/ambient air conditioning system in different climate zones. 2019, 142, 41-54 Nationwide savings analysis of energy conservation measures in buildings. 2019, 188, 1-18 Effects of sample length on the transient measurement results of water vapor diffusion coefficient of porous building materials: A case study of autoclave aerated concrete (AAC) with various porosities. 2019, 135, 209-219 Flow and heat transfer characteristics of natural convection in vertical air channels of double-skin	73 19 26
424 423 422 421 420	Critical success factors (CSFs) for sustainable affordable housing. 2019, 156, 203-214 PMV-based dynamic optimization of energy consumption for a residential task/ambient air conditioning system in different climate zones. 2019, 142, 41-54 Nationwide savings analysis of energy conservation measures in buildings. 2019, 188, 1-18 Effects of sample length on the transient measurement results of water vapor diffusion coefficient of porous building materials: A case study of autoclave aerated concrete (AAC) with various porosities. 2019, 135, 209-219 Flow and heat transfer characteristics of natural convection in vertical air channels of double-skin solar faBdes. 2019, 242, 107-120 Improving thermal comfort of earthen dwellings in sub-Saharan Africa with passive design. 2019,	73 19 26 2

Indoor Air Quality Regulation Through the Usage of Eco-Efficient Plasters. **2019**, 383-394

415	Perspectives on industrialized transportable solar powered zero energy buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 108, 112-124	15
414	Sensitivity analysis of the variables affecting indoor thermal conditions on unconditioned dwellings in equatorial high-altitude regions from an experimentally validated model. 2019 , 1-24	1
413	Stakeholders' perspectives on green building rating: A case study in Indonesia. 2019 , 5, e01328	14
412	A novel inorganic thermal insulation material utilizing perlite tailings. 2019 , 190, 25-33	26
411	Nano aerogel windows and glazing units for buildings' energy efficiency. 2019 , 417-439	3
410	Changing significance of embodied energy: A comparative study of material specifications and building energy sources. 2019 , 23, 324-333	21
409	Energy Management in Zero-Energy Building Using Neural Network Predictive Control. 2019, 6, 5336-5344	27
408	Passive cooling strategies in roof design to improve the residential building thermal performance in tropical region. 2019 , 20, 571-580	7
407	Dynamic gating of infrared radiation in a textile. 2019 , 363, 619-623	166
406	A CASE STUDY OF BIPV APPLICATION TOWARDS GREEN BUILDING. 2019 , 691, 012046	
405	Dynamic performance analysis of fallde-integrated tri-functional photovoltaic/thermal solar collector. 2019 , 556, 012042	1
404	. 2019,	
403	. 2019,	
402	Application of Biomimicry Architecture Concept on Lapau Panjang Buildings as A Tourism Icon. 2019 , 385, 012058	О
401	Resilience of a Building to Future Climate Conditions in Three European Cities. <i>Energies</i> , 2019 , 12, 4506 $_{3.1}$	10
400	Thermally Anisotropic Composites for Improving the Energy Efficiency of Building Envelopes. Energies, 2019, 12, 3783	6
399	A System Based on IoT Platforms and Occupancy Monitoring for Energy-Efficient HVAC Management. 2019 ,	4

398 Development of Environmentally Sustainable Materials. **2019**, 1-18

397	Questionnaire survey on the summer air-conditioning use behaviour of occupants in residences and office buildings of China. 2019 , 28, 711-724		5
396	Context-driven monitoring and control of buildings ventilation systems using big data and Internet of ThingsBased technologies. 2019 , 233, 276-288		6
395	Responsive building envelope concepts in zero emission neighborhoods and smart cities - A roadmap to implementation. 2019 , 149, 446-457		39
394	Performance Simulation and Evaluation of Net Zero Energy Buildings in an Australian Coastal Climate. 2019 , 343-358		
393	Methodology for Preliminary Design of Buildings Using Multi-Objective Optimization Based on Performance Simulation. 2019 , 141, 0408011-4080112		8
392	Impact of external shading strategy on energy performance of multi-story hotel building in hot-humid climate. <i>Energy</i> , 2019 , 169, 1166-1174	7.9	30
391	Finding the gaps and methodology of passive features of building envelope optimization and its requirement for office buildings in India. 2019 , 9, 66-93		15
390	Ceramic panels versus aluminium in buildings: Energy consumption and environmental impact assessment with a new methodology. 2019 , 233-234, 959-974		10
389	A review of climate change implications for built environment: Impacts, mitigation measures and associated challenges in developed and developing countries. 2019 , 211, 83-102		52
388	A transparent insulation fallde enhanced with a selective absorber: A cooling energy load and validated building energy performance prediction model. 2019 , 183, 266-282		13
387	A Model for External Walls Selection in Hot and Humid Climates. 2019 , 11, 100		5
386	Energy retrofit of an existing affordable building envelope in Spain, case study. 2019 , 44, 395-405		26
385	Study of thermoelectric and photovoltaic facade system for energy efficient building development: A review. 2019 , 209, 1376-1395		47
384	Ventilated flat roofs: A simplified model to assess their hygrothermal behaviour. 2019 , 22, 12-21		10
383	Impact of window parameters on the building envelope on the thermal comfort, energy consumption and cost and environment. 2020 , 19, 233-259		4
382	Study on properties of phase change foam concrete block mixed with paraffin / fumed silica composite phase change material. 2020 , 150, 1127-1135		27
381	Potential of microencapsulated PCM for energy savings in buildings: A critical review. 2020 , 53, 101884		40

(2020-2020)

380	buildings in Western China. 2020 , 147, 356-373	34
379	Parametric modeling simulation for an origami shaped canopy. 2020 , 9, 67-81	4
378	Numerical model for evaluating thermal performance of residential building roof integrated with inclined phase change material (PCM) layer. 2020 , 28, 101018	22
377	An overview of carbon sequestration of green roofs in urban areas. 2020 , 47, 126515	38
376	The circular economy of agro and post-consumer residues as raw materials for sustainable ceramics. 2020 , 17, 22-31	21
375	Optimal control parameter for electrochromic glazing operation in commercial buildings under different climatic conditions. 2020 , 260, 114338	19
374	Poly(methyl methacrylate) Films with High Concentrations of Silicon Quantum Dots for Visibly Transparent Luminescent Solar Concentrators. 2020 , 12, 4572-4578	17
373	Trombe walls with phase change materials: A review. 2020 , 2, e123	10
372	Dynamic simulation of thermal load and energy efficiency in poultry buildings in the cold zone of China. 2020 , 168, 105127	5
371	Toward energy-efficient governmental buildings in Egypt: investigating the impact of nano aerogel glazing on energy performance. 2020 , 15, 17-24	2
370	RETRACTED: A fractal model on predicting the water vapor permeability of autoclave aerated concrete (AAC) with various porosities. 2020 , 149, 119243	2
369	Retrofitting towards energy-efficient homes in European cold climates: a review. 2020 , 13, 101-125	12
368	Impact of location and deadband on energy performance of nano aerogel glazing for office building in Saudi Arabia. 2020 , 48, 645-658	4
367	How internal heat loads of buildings affect the effectiveness of vertical greenery systems? An experimental study. 2020 , 151, 919-930	10
366	Factors affecting the specific heat of conventional and residue-based mortars. 2020, 237, 117597	6
365	Optimal carbon-neutral retrofit of residential communities in Barcelona, Spain. 2020 , 208, 109651	17
364	Multi-criterion optimization of integrated photovoltaic facade with inter-building effects in diverse neighborhood densities. 2020 , 248, 119269	5
363	Composition of cooling load formed by non-transparent envelopes of a common office building under air-conditioning intermittent operation. 2020 , 43, 528-544	5

362	BIM-VE-Based Optimization of Green Building Envelope from the Perspective of both Energy Saving and Life Cycle Cost. 2020 , 12, 7862	10
361	A Thematic Network-Based Methodology for the Research Trend Identification in Building Energy Management. <i>Energies</i> , 2020 , 13, 4621	5
360	Preparation of porous ceramics with waste zeolites as raw material. 2020 , 119, 448-455	О
359	Experimental and numerical study on the thermal performance of polycarbonate panels. 2020 , 32, 101715	2
358	Numerical analysis of energy savings due to the use of PCM integrated in lightweight building walls. 2020 , 923, 012070	3
357	On the potential of building adaptation measures to counterbalance the impact of climatic change in the tropics. 2020 , 229, 110494	15
356	A framework for finding inspiration in nature: Biomimetic energy efficient building design. 2020 , 225, 110296	8
355	Bio-inspired cooling technologies and the applications in buildings. 2020 , 225, 110313	15
354	Energy Performance of a High-Rise Residential Building Using Fibre-Reinforced Structural Lightweight Aggregate Concrete. 2020 , 10, 4489	1
353	Implementation of a solar-biomass system for multi-family houses: Towards 100% renewable energy utilization. 2020 , 166, 190-209	17
352	Modeling and Implementation of an Adaptive Facade Design for Energy Efficiently Buildings Based Biomimicry. 2020 ,	1
351	Analyzing capacity of a consumer-grade infrared camera in South Africa for cost-effective aerial inspection of building envelopes. 2020 , 9, 697-710	2
350	Impact of Green Roofs on Energy Demand for Cooling in Egyptian Buildings. 2020 , 12, 5729	8
349	The impact of thermal mass on building energy consumption: A case study in Al Mafraq city in Jordan. 2020 , 7, 1804092	5
348	Quantitative effects of glass roof system parameters on energy and daylighting performances: A bi-objective optimal design using response surface methodology. 2020 , 1420326X2094122	3
347	Prospects for the creation of smart homes using energy-saving wall ceramic materials. 2020 , 164, 02029	1
346	The Impact of Infiltration on Heating Systems Dimensioning in Estonian Climate. 2020 , 172, 05004	2
345	Climate adaptation of listed buildings: an interaction between design, regulations and energy efficiency. 2020 , 172, 15003	1

344	Sustainable Residential Building Considerations for Rural Areas: A Case Study. 2020, 9, 152	O
343	Influence of the Water Vapour Permeability of Airtight Sheets on the Behaviour of Facade. 2020 , 12, 10480	2
342	Net-Zero Energy Buildings: Principles and Applications. 2020 ,	3
341	Energy Efficiency contribution to sustainable development: A multi-criteria approach in Greece. 2020 , 15, 572-604	3
340	Analysis of Green Building Certification Attainment through LEED System for SDC Block at KLEF, India. 2020 , 912, 062044	
339	Lightweight, Passive Radiative Cooling to Enhance Concentrating Photovoltaics. 2020 , 4, 2702-2717	23
338	Comparative Analysis on Load Characteristic of Intermittently Conditioned Buildings for Different Wall Insulation Forms. <i>Energies</i> , 2020 , 13, 4974	
337	A study on the energy-saving potential of university campuses in Turkey. 2020 , 173, 379-396	O
336	Trombe wall for a residential building in Sichuan-Tibet lalpine valley 🖟 case study. 2020 , 156, 31-46	22
335	Recent Developments in Thermally Insulating Materials Based on Geopolymers Review Article. 2020 , 37, 995-1014	4
334	Passive cooling energy systems: holistic SWOT analyses for achieving urban sustainability. 2020 , 39, 822-842	4
333	Does urbanization lead to less residential energy consumption? A comparative study of 136 countries. <i>Energy</i> , 2020 , 202, 117765	44
332	Decision support for retrofitting building envelopes using multi-objective optimization under uncertainties. 2020 , 32, 101413	25
331	The Influence of Different Facings of Polyisocyanurate Boards on Heat Transfer through the Wall Corners of Insulated Buildings. <i>Energies</i> , 2020 , 13, 1991	4
330	Coating mortars based on mining and industrial residues. 2020 , 22, 1569-1586	2
329	Infrared radiation and materials interaction: Active, passive, transparent, and opaque coatings. 2020 , 33-56	
328	Impacts of form and design policies on urban microclimate: Assessment of zoning and design guideline choices in urban redevelopment projects. 2020 , 202, 103870	15
327	Maintenance of Passive House Standard in the Light of Long-Term Study on Energy Use in a Prefabricated Lightweight Passive House in Central Europe. <i>Energies</i> , 2020 , 13, 2801	5

326	Performance Evaluation and Design of Thermo-Responsive SMP Shading Prototypes. 2020 , 12, 4391	3
325	An analytical approach to sustainable building adaption using biomimicry. 2020 , 33, 514-518	1
324	Emerging Materials and Strategies for Personal Thermal Management. 2020 , 10, 1903921	115
323	Assessment of Socio-Environmental Vulnerability Due to Tropical Cyclones in La Paz, Baja California Sur, Mexico. 2020 , 12, 1575	3
322	Experimental and Computational Study of the Implementation of mPCM-Modified Gypsum Boards in a Test Enclosure. 2020 , 10, 15	5
321	Energy saving performance of thermochromic coatings with different colors for buildings. 2020 , 215, 109920	24
320	Decision Support Systems in Construction: A Bibliometric Analysis. 2020 , 10, 108	9
319	Optimization of Multilayered Walls for Building Envelopes Including PCM-Based Composites. 2020 , 13,	4
318	A Comparative Simulation Study of the Thermal Performances of the Building Envelope Wall Materials in the Tropics. 2020 , 12, 4892	16
317	Investigation of phase state and heat storage form of the phase change material (PCM) layer integrated into the exterior walls of the residential-apartment during heating season. <i>Energy</i> , 2020 , 7.9 207, 118176	20
316	Thermal performance of buildings with light colored exterior materials. 2020 , 28, 1307-1313	5
315	Towards an implementation of bio-inspired hydro-actuated building fallde. 2020 , 1-21	O
314	Experiencing innovative biomaterials for buildings: Potentialities of mosses. 2020 , 172, 106708	4
313	The role of inclination and orientation of different building roof typologies on indoor and outdoor environment thermal comfort in Italy and Greece. 2020 , 60, 102111	23
312	Exploring the localization process of low energy residential buildings: A case study of Korean passive houses. 2020 , 30, 101290	12
311	Classification, experimental assessment, modeling methods and evaluation metrics of Trombe walls. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 124, 109772	36
310	Multi-objective optimization to balance thermal comfort and energy use in a mining camp located in the Andes Mountains at high altitude. <i>Energy</i> , 2020 , 199, 117121	2
309	Thermo-optically responsive phase change materials for passive temperature regulation. 2020 , 197, 222-228	9

308	Energy use of subtropical high-rise public residential buildings and impacts of energy saving measures. 2020 , 254, 120041	23
307	Improving energy efficiency in buildings: Review and compiling. 2020 , 27, 2999-3003	2
306	Optimization on non-transparent envelopes of the typical office rooms with air-conditioning under intermittent operation. 2020 , 201, 798-809	9
305	Assessing occupants personal attributes in relation to human perception of environmental comfort: Measurement procedure and data analysis. 2020 , 177, 106901	28
304	Correlations between dynamic thermal properties, energy consumption, and comfort in wood, concrete, and lightweight buildings. 2021 , 45, 48-63	
303	The effect of air-conditioner operation modes on the energy-saving capacity of external wall insulation in residential buildings. 2021 , 39, 620-636	2
302	Indoor air quality and energy management in buildings using combined moving horizon estimation and model predictive control. 2021 , 33, 101552	10
301	Performance analysis of photovoltaic-thermal air collectors combined with a water to air heat exchanger for renewed air conditioning in building. 2021 , 28, 18953-18962	7
300	Review on optimization of phase change parameters in phase change material building envelopes. 2021 , 35, 101979	11
299	Solar energy systems: An approach to zero energy buildings. 2021 , 89-170	
299 298	Solar energy systems: An approach to zero energy buildings. 2021, 89-170 Influence of building and indoor environmental parameters on designing energy-efficient buildings. 2021, 39, 507-524	2
	Influence of building and indoor environmental parameters on designing energy-efficient buildings.	2 O
298	Influence of building and indoor environmental parameters on designing energy-efficient buildings. 2021 , 39, 507-524 Thermal performance of insulated concrete block in Sharjah, United Arab Emirates (UAE):	
298 297	Influence of building and indoor environmental parameters on designing energy-efficient buildings. 2021, 39, 507-524 Thermal performance of insulated concrete block in Sharjah, United Arab Emirates (UAE): continuous monitoring and IR assessment. 2021, 20, 61-77 A Critical Review of Fallde Retrofit Measures for Minimizing Heating and Cooling Demand in	0 16
298 297 296	Influence of building and indoor environmental parameters on designing energy-efficient buildings. 2021, 39, 507-524 Thermal performance of insulated concrete block in Sharjah, United Arab Emirates (UAE): continuous monitoring and IR assessment. 2021, 20, 61-77 A Critical Review of FaBde Retrofit Measures for Minimizing Heating and Cooling Demand in Existing Buildings. 2021, 64, 102525 Improving present-day energy savings among green building sector in Malaysia using benefit transfer approach: Cooling and lighting loads. Renewable and Sustainable Energy Reviews, 2021, 16.2	0 16
298 297 296 295	Influence of building and indoor environmental parameters on designing energy-efficient buildings. 2021, 39, 507-524 Thermal performance of insulated concrete block in Sharjah, United Arab Emirates (UAE): continuous monitoring and IR assessment. 2021, 20, 61-77 A Critical Review of FaBde Retrofit Measures for Minimizing Heating and Cooling Demand in Existing Buildings. 2021, 64, 102525 Improving present-day energy savings among green building sector in Malaysia using benefit transfer approach: Cooling and lighting loads. Renewable and Sustainable Energy Reviews, 2021, 137, 110570 Preparation and characterization of expanded perlite/wood-magnesium composites as building	o 16 8
298 297 296 295	Influence of building and indoor environmental parameters on designing energy-efficient buildings. 2021, 39, 507-524 Thermal performance of insulated concrete block in Sharjah, United Arab Emirates (UAE): continuous monitoring and IR assessment. 2021, 20, 61-77 A Critical Review of FaBde Retrofit Measures for Minimizing Heating and Cooling Demand in Existing Buildings. 2021, 64, 102525 Improving present-day energy savings among green building sector in Malaysia using benefit transfer approach: Cooling and lighting loads. Renewable and Sustainable Energy Reviews, 2021, 137, 110570 Preparation and characterization of expanded perlite/wood-magnesium composites as building insulation materials. 2021, 231, 110637 Energy-saving potential of a passive cooling system for thermal energy management of a	o 16 8

290	Green roof for sustainable urban flash flood control via cost benefit approach for local authority. 2021 , 57, 126876	3
289	Towards Resilience and Sustainability for Historic Buildings: A Review of Envelope Retrofit Possibilities and a Discussion on Hygric Compatibility of Thermal Insulations. 2021 , 15, 807-823	10
288	IDENTIFYING OPTIMUM GLAZING PROPERTY FOR CONSERVING ENERGY IN HOT SEMI-ARID CLIMATE REGIONS. 2021 , 16, 91-101	
287	A Study for the Influence of the Location of PCMs Assembly System on Improving Thermal Environment inside Disaster-Relief Temporary Houses. 2021 , 9, 1239-1252	O
286	Between Technology and Ornament in Contemporary Building Envelope. 2021, 1036-1045	
285	Glycerol in energy transportation: a state-of-the-art review.	5
284	Water Content Estimation in Thermal Insulation Layer Using Millimeter-Wave Optical Coherence Tomography. 2021 ,	
283	Thermal Characteristics of Oil Palm Wood and Ramie Fiber as Raw Materials for Thermal Insulation Bio Board. 2021 , 21-31	О
282	Nexus of Climate Change and Sustainable Real Estate. 2021 , 71-83	
281	Toward a holistic approach for energy efficient buildings. 2021 , 129-193	O
0		
280	Cleaner Design and Production of Lightweight Aggregates (LWAs) to Use in Agronomic Application. 2021 , 11, 800	2
279		2
	2021, 11, 800 Energy, Economic, and Environmental Performance of a Single-Family House in Chile Built to	
279	2021, 11, 800 Energy, Economic, and Environmental Performance of a Single-Family House in Chile Built to Passivhaus Standard. 2021, 13, 1199 Development of gypsum plasterboard embodied with microencapsulated phase change material	2
279 278	Energy, Economic, and Environmental Performance of a Single-Family House in Chile Built to Passivhaus Standard. 2021, 13, 1199 Development of gypsum plasterboard embodied with microencapsulated phase change material for energy efficient buildings. 2021, 4, 166-176	3
279 278 277	Energy, Economic, and Environmental Performance of a Single-Family House in Chile Built to Passivhaus Standard. 2021, 13, 1199 Development of gypsum plasterboard embodied with microencapsulated phase change material for energy efficient buildings. 2021, 4, 166-176 Energy Performance Optimization of School Buildings in Different Climates of Turkey. 2021, 7,	3
279 278 277 276	Energy, Economic, and Environmental Performance of a Single-Family House in Chile Built to Passivhaus Standard. 2021, 13, 1199 Development of gypsum plasterboard embodied with microencapsulated phase change material for energy efficient buildings. 2021, 4, 166-176 Energy Performance Optimization of School Buildings in Different Climates of Turkey. 2021, 7, Modernizing the Energy from Customer-Side. 2021, 33-60	2 3 2

(2021-2021)

272	LCC-based framework for building envelope and structure co-design considering energy efficiency and natural hazard performance. 2021 , 35, 102061		4
271	An integrated approach of BIM-enabled LCA and energy simulation: The optimized solution towards sustainable development. 2021 , 289, 125622		26
270	Enhanced mechanical energy conversion with selectively decayed wood. 2021, 7,		14
269	ANP model for evaluating the performance of adaptive fallde systems in complex commercial buildings. 2021 , ahead-of-print,		4
268	Designing heat transfer pathways for advanced thermoregulatory textiles. 2021 , 17, 100342		17
267	Energy-saving performance analysis of green technology implications for decision-makers of multi-story buildings. <i>Environment, Development and Sustainability</i> , 2021 , 23, 15639-15665	4.5	1
266	Research on Energy Saving and Emission Reduction of Ecological Environment of Modern Green Art Museum. 2021 , 692, 032029		О
265	Precast Concrete Building Construction and Envelope Thermal Behavior: A Case Study on Portuguese Public Social Housing. 2021 , 2, 271-289		1
264	A review on the factors influencing energy efficiency of mosque buildings. 2021, 292, 126010		12
263	Sustainable architecture and earthquake resilience of vernacular Zegalli houses in northern Iran. 2021 , ahead-of-print,		
262	Investigation of Solar Passive concepts in building envelope for a reduction of energy usage. 2021,		
261	Optimal control of switchable ethylene-tetrafluoroethylene (ETFE) cushions for building falldes. 2021 , 218, 180-194		5
2 60	Contribution of energy efficiency standards to life-cycle carbon footprint reduction in public buildings in Chile. 2021 , 236, 110797		6
259	Dynamic evaluation of thermal comfort scenarios in a Colombian large-scale social housing project. 2021 , ahead-of-print,		2
258	Bifunctional Asymmetric Fabric with Tailored Thermal Conduction and Radiation for Personal Cooling and Warming. 2021 ,		3
257	Numerical analysis of horizontal temperature distribution in large buildings by thermo-aeraulic zonal approach. 2022 , 15, 99-115		О
256	A critical review of combined natural ventilation techniques in sustainable buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 141, 110795	16.2	23
255	Optimizing the integration of renewable energy in existing buildings. 2021 , 238, 110851		6

254	The impact of thermal mass and insulation of building structure on energy efficiency. 2021 , 241, 110954	6
253	Electrically actuated visible and near-infrared regulating switchable smart window for energy positive building: A review. 2021 , 301, 126854	41
252	Nano-Porous Silica-Aerogel-Incorporated Composite Materials for Thermal-Energy-Efficient Pitched Roof in the Tropical Region. 2021 , 11, 6081	4
251	Impact of Passive Energy Efficiency Measures on Cooling Energy Demand in an Architectural Campus Building in Karachi, Pakistan. 2021 , 13, 7251	4
250	Performance analysis of a hybrid HVAC system consisting of a solar thermal collector and a radiative cooling panel. 2021 , 241, 110921	4
249	Embodied emissions of buildings - A forgotten factor in green building certificates. 2021 , 241, 110962	8
248	Indoor Comfort Achieved Exclusively From Ambient Sources Across US Climates. 2021, 143,	О
247	Energy-carbon-investment payback analysis of prefabricated envelope-cladding system for building energy renovation: Cases in Spain, the Netherlands, and Sweden. <i>Renewable and Sustainable Energy</i> 16.2 <i>Reviews</i> , 2021 , 145, 111077	7
246	Energy Efficiency Strategies in the Social Housing Sector: Dynamic Considerations and Policies. 2021 , 37, 04021040	2
245	Impact of fallde design on indoor air temperatures and cooling loads in residential buildings in the tropical climate. 2021 , 243, 110972	13
244	Review on urbanism and climate change. 2021 , 114, 103176	5
243	A framework approach to the design of energy efficient residential buildings in Nigeria. 2021,	2
242	Effect of space layouts on the energy performance of office buildings in three climates. 2021 , 39, 102198	2
241	A review on zero energy buildings IPros and cons. 2021,	12
240	Critical Review of Polymeric Building Envelope Materials: Degradation, Durability and Service Life Prediction. 2021 , 11, 299	5
239	SLICE: An Innovative Photovoltaic Solution for Adaptive Envelope Prototyping and Testing in a Relevant Environment. 2021 , 13, 8701	1
238	Seismic and Energy Integrated Retrofitting of Existing Buildings with an Innovative ICF-Based System: Design Principles and Case Studies. 2021 , 13, 9363	3
237	Thermal performance simulation of nano material modified fly ash light energy-saving wallboard in assembly building. 2021 , 580, 85-98	

(2021-2021)

236	Experimental and Numerical Analyses of Thermal Storage Tile-Bricks for Efficient Thermal Management of Buildings. 2021 , 11, 357	О
235	Layered double hydroxide/graphene oxide synergistically enhanced polyimide aerogels for thermal insulation and fire-retardancy. 2021 , 219, 108963	20
234	Large optical and structural enhancement by designing VOx nanostructures for smart windows applications. 2021 , 270, 115216	1
233	Fabrication and Properties of Thermochromic Superhydrophobic Coatings. 2100647	O
232	Assessing the real-time thermal performance of reinforced cement concrete roof during summer- a study in the warm humid climate of Kerala. 2021 , 41, 102735	2
231	A sensitivity analysis of design parameters of BIPV/T-DSF in relation to building energy and thermal comfort performances. 2021 , 41, 102426	12
230	Possible warming effect of fine particulate matter in the atmosphere. 2021 , 2,	1
229	Top-down bottom-up strategic green building development framework: Case studies in Malaysia. 2021 , 203, 108052	3
228	Model development of Roof Thermal Transfer Value (RTTV) for green roof in tropical area: A case study in Singapore. 2021 , 203, 108101	3
227	Quantifying the embodied carbon saving potential of recycling construction and demolition waste in the Greater Bay Area, China: Status quo and future scenarios. 2021 , 792, 148427	5
226	Fully biomass-based aerogels with ultrahigh mechanical modulus, enhanced flame retardancy, and great thermal insulation applications. 2021 , 225, 109309	14
225	Research on policy strategies for implementing energy retrofits in the residential buildings. 2021 , 43, 103161	4
224	Global evolution of research on green energy and environmental technologies: A bibliometric study. 2021 , 297, 113382	32
223	A novel sensitivity analysis of commercial building hybrid energy-structure performance. 2021 , 43, 102808	1
222	Systematic literature review of bioclimatic design elements: Theories, methodologies and cases in the South-eastern Mediterranean climate. 2021 , 250, 111281	7
221	Design optimization of multi-functional building envelope for thermal insulation and exhaust air heat recovery in different climates. 2021 , 43, 103151	4
220	Modelling hygrothermal conditions of unsaturated substrate and drainage layers for the thermal resistance assessment of green roof: Effect of coarse recycled materials. 2021 , 250, 111315	5
219	Research landscape and hot topics of rooftop PV: A bibliometric and network analysis. 2021 , 251, 111333	2

218	Methodology to reduce cooling energy consumption by incorporating PCM envelopes: A case study of a dwelling in Chile. 2021 , 206, 108373	3
217	Are green roofs the path to clean air and low carbon cities?. 2021 , 798, 149313	3
216	Effect of courtyards geometrical parameters on climate adaptability and shading performance in hot-arid climate of Yazd (Iran). Sustainable Energy Technologies and Assessments, 2021 , 48, 101594	2
215	Urban surface uses for climate resilient and sustainable cities: A catalogue of solutions. 2021 , 75, 103313	8
214	Highly flexible and compressible polyimide/silica aerogels with integrated double network for thermal insulation and fire-retardancy. 2022 , 105, 194-202	10
213	Thermoelectric air cooling. 2021 , 551-567	
212	A review of current work in research of Trombe walls. 2021 , 248, 03025	1
211	Energy systems in buildings. 2021 , 181-209	О
210	Energy-Efficient Homes. 2021 , 49-71	
209	The Impacts of Climate Zone, Wall Insulation, and Window Types on Building Energy Performance. 2021 , 270-277	4
209		13
	2021 , 270-277	13
208	2021, 270-277 Energy-Efficient Buildings as Complex Socio-technical Systems: Approaches and Challenges. 2017, 247-265 Energy and carbon footprint assessment of production of hemp hurds for application in buildings.	
208	Energy-Efficient Buildings as Complex Socio-technical Systems: Approaches and Challenges. 2017, 247-265 Energy and carbon footprint assessment of production of hemp hurds for application in buildings. 2020, 84, 106417	16
208 207 206	Energy-Efficient Buildings as Complex Socio-technical Systems: Approaches and Challenges. 2017, 247-265 Energy and carbon footprint assessment of production of hemp hurds for application in buildings. 2020, 84, 106417 Evaluating the impact of operating energy reduction measures on embodied energy. 2020, 226, 110340 Shape-Stabilized Phase Change Material by a Synthetic/Natural Hybrid Composite Foam with	16
208 207 206 205	Energy-Efficient Buildings as Complex Socio-technical Systems: Approaches and Challenges. 2017, 247-265 Energy and carbon footprint assessment of production of hemp hurds for application in buildings. 2020, 84, 106417 Evaluating the impact of operating energy reduction measures on embodied energy. 2020, 226, 110340 Shape-Stabilized Phase Change Material by a Synthetic/Natural Hybrid Composite Foam with Cell-Wall Pores. 2021, 4, 416-424	16 9 4
208 207 206 205	Energy-Efficient Buildings as Complex Socio-technical Systems: Approaches and Challenges. 2017, 247-265 Energy and carbon footprint assessment of production of hemp hurds for application in buildings. 2020, 84, 106417 Evaluating the impact of operating energy reduction measures on embodied energy. 2020, 226, 110340 Shape-Stabilized Phase Change Material by a Synthetic/Natural Hybrid Composite Foam with Cell-Wall Pores. 2021, 4, 416-424 Energy and architecture [An overview. 2013, 54, 02004	16 9 4

(2018-2020)

200	A Review of Performance-Oriented Architectural Design and Optimization in the Context of Sustainability: Dividends and Challenges. 2020 , 12, 1427	23
199	ASSESSMENT OF ACOUSTIC AND THERMAL PROPERTIES OF AIRTIGHT WOODEN WINDOWS USED IN BALTIC AND SCANDINAVIAN COUNTRIES. 2019 , 27, 135-143	1
198	A MODEL OF A NEAR-ZERO ENERGY HOME (nzeh) USING PASSIVE DESIGN STRATEGIES AND PV TECHNOLOGY IN HOT CLIMATES. 2016 , 11, 38-70	8
197	Green and Smart Buildings. 2020 , 146-163	8
196	Designing better nestboxes: double-walled and pale proves coolest under the sun. 2021,	Ο
195	Comprehensive Risk Management in Passive Buildings Projects. <i>Energies</i> , 2021 , 14, 6830 3.1	1
194	A Conceptual Review of the Potential of Cool Roofs as an Effective Passive Solar Technique: Elaboration of Benefits and Drawbacks. 2021 , 9,	1
193	A two-stage recursive ray tracing algorithm to automatically identify external building objects in building information models.	Ο
192	Life cycle cost assessment and multi-criteria decision analysis of environment-friendly building insulation materials - A review. 2021 , 111582	6
191	An Integrated Approach to Improve Seismic and Energetic Behaviour of RC Framed Buildings Using Timber Panels. 2021 , 13, 11304	О
190	Natural Convection of a Solar Wall in a Test Room under Tunisian Climate. 2012 , 2012, 1-9	Ο
189	Multi-objective optimization of shading solutions for a standard family house under Lithuanian conditions. 2014 ,	О
188	īandieninißtatybos normlīr tradicijos derinimas etninlī architektlīos pastatuose. 2014 ,	
187	Thermal Performance of Oil Palm Fibre and Paper Pulp as the Insulation Materials. 2016 , 5, 22-28	О
186	Economic Potentials of Energy-Efficient Residential Building Envelope Retrofitting in Turkey. 2016 , 340-367	
185	Parametric Analysis of a Passive Energy Management Through Increased Thermal Capacitance. 2016 , 10, 38-50	
184	Energy Storage by Sensible Heat for Buildings. 2018 , 1-41	
183	Passive Building Walls. 2018 , 1-37	

182	Field Measurements of Electrical Consumption in a Multi-purpose Educational Building. 2018, 322-329	
181	Envolvente arquitecto nica: un espacio para la sostenibilidad. 2018 , 1, 49-61	2
180	Pastatlenerginio funkcionalumo vertinimas integruotame pastato projektavime. 2019,	
179	Energetic Forms of Matter. 2019 , 137-165	
178	Economic Potentials of Energy-Efficient Residential Building Envelope Retrofitting in Turkey. 2019 , 728-755	
177	The Effects of Phase-Change Materials on Building in Different Climatic Regions: En-ergy Saving and Indoor Thermal Comfort. 2019 , 09, 437-446	
176	The Effectiveness of Vegetation in Reducing Building Energy Demand.	
175	Laboratory-Teaching Building Energis as the Example of Intelligent Building. 2020, 875-884	
174	The Green Roofs and Facades as a Tool of Climate Cooling in the Urban Environment. 2020, 39-75	0
173	Developing a Didactic Thermal Chamber for Building Envelope Material Testing. 2020 , 121-133	
172	Angularly selective microstructured surface for tuning seasonal sunlight interaction. 2019 , 27, 36426-36437	1
171	Introduction to Building Envelope. 2020 , 29-65	
170	MOHAWK COLLEGE'S NET ZERO ENERGY AND ZERO CARBON BUILDING LIVING LAB FOR HIGH EFFICIENCY AND RENEWABLE ENERGY TECHNOLOGIES IN BUILDINGS. 2020 , 15, 185-214	1
169	Living wall systems for improved thermal performance of existing buildings. 2021 , 108491	4
168	Thermal environment analysis of enclosed dome with double-layered PTFE fabric roof integrated with aerogel-glass wool insulation mats: On-site test and numerical simulation. 2021 , 254, 111621	2
168 167		2
	with aerogel-glass wool insulation mats: On-site test and numerical simulation. 2021 , 254, 111621	2 O

164	Advances in the research of building energy saving. 2022, 254, 111556	1
163	Promoting Biomimicry Towards, Sustainable Strategies for Energy-Efficient Building Design. 2020 , 681-687	
162	Design Strategies for Green/Energy-Efficient Building Design: An Apartment Building in the Gaziantep Project. 2020 , 219-231	
161	Characterization of Thermo-Physical Properties of Cement-Based Blocks of Varied Sand Types Using Cost-Effective Enhancement Approach. 2020 , 09, 14-30	
160	Data Analysis and Visualization of Traffic in Chicago with Size and Landuse-Aware Vehicle to Buildings Assignment. 2020 , 518-529	
159	Recent research and development on the use of reflective technology in buildings IA review. 2021 , 45, 103552	1
158	Thermoplastic moulding of wood-polymer composites (WPC): a review and research proposal on thermo-physical and geometric design options using hot-pressing. 1	0
157	Preparation and properties of a kind of high conductivity flexible wood with light switch characteristics. 51843	
156	Indoor Air Quality Assessment of Latin Americal First Passivhaus Home. 2021 , 12, 1477	2
155	Modular Construction for Emergency Situation: A Design Methodology for the Building Envelope. 2021 , 131-141	1
154	TERMAL ENERJÍDEPOLAMA SÖTEMLERÍN FAZ DE TR EN MALZEMELERÍN TROMBE DUVARLARDA KULLANIMI ZERÍNE B R NICELEME. 2020 , 8, 529-551	
153	Cooperative learning in design studios: a pedagogy for net-positive performance. 2020 , 1, 594	1
152	Optimisation of wall insulation thickness using energy management strategies: Intermittent versus continuous operation schedule. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101778	1
151	On the Use of the Reference Building Approach in Modern Building Energy Codes. 2021 , 111726	1
150	A multi-year comparative analysis of green and conventional roof thermal performance under temperate climate conditions. 2021 , 2069, 012067	
149	Mechanical characterization of a concrete masonry block enhanced with micro-encapsulated phase changing materials. 2021 , 2042, 012184	
148	Impact of Integrating Solar Technique On Buildings'thermal Comfort and Energy Consumption: A Numerical Study. 2021 , 321, 02001	
147	Analysis of the Temperature Field and Deformation Characteristics of Foam Glass Thermal Insulating Decorative Integrated Board System.	

146	Effective PCM, insulation, natural and/or night ventilation techniques to enhance the thermal performance of buildings located in various climates 🖟 review. 2022 , 258, 111840		9
145	Advanced thermal regulating materials and systems for energy saving and thermal comfort in buildings. 2022 , 24, 100925		3
144	Multi-objective optimization of the energy performance of residential buildings in tropical climates. 2020 ,		
143	Exergy and Exergo-Economic Analysis of a Hybrid Renewable Energy System Under Different Climate Conditions.		
142	Thermal Comfort for a Green Office Building: Current Status and Future Direction. 2021,		
141	Assessment of the Potential of Adaptive Building Envelopes in Beirut. 2021,		O
140	The Evolution of Knowledge and Trends within the Building Energy Efficiency Field of Knowledge. <i>Energies</i> , 2022 , 15, 691	3.1	1
139	A Moisture-Wicking Passive Radiative Cooling Hierarchical Metafabric 2022,		7
138	Radiative cooling technologies: a platform for passive heat dissipation. 1		
137	Towards sustainable re-construction systems: from waste ruins to eco-efficient buildings. 2022 , 7, 12		O
136	Study on the halide effect of MA4PbX6IPH2O hybrid perovskites IFrom thermochromic properties to practical deployment for smart windows. 2022 , 23, 100624		1
135	Dynamic melting of encapsulated PCM in various geometries driven by natural convection of surrounding air: A modelling-based parametric study. <i>Journal of Energy Storage</i> , 2022 , 48, 103975	7.8	O
134	Anti-greenhouse effect via regulation of surface emissivity. 2022, 1-1		1
133	On the thermal performance of naturally ventilated room with straw insulation retrofitted envelope for different climatic zones of India. 2022 , 342, 130665		1
132	A methodology to promptly evaluate the energy-saving potential of bioclimatic buildings through meteorological variables. 2022 , 80, 103750		O
131	Energy Simulation Optimization for Building Insulation Materials. 2021 , 1-13		
130	Morphological differentiation for the environmental adaptation of biomimetic buildings: Skins, surfaces, and structures. 2022 , 439-466		
129	Numerical Study on the Suitability of Passive Solar Heating Technology Based on Differentiated Thermal Comfort Demand. 2022 , 131, 1-34		

Analysis of Nano Silica Aerogel Based Glazing Effect on the Solar Heat Gain and Cooling Load in a School under Different Climatic Conditions. **2022**, 12,

127	The Impact of Passive Design Strategies on a Villa in Hot Climate: Case in Sharjah, UAE. 2022 ,		О
126	Assessing Responsive Building Envelope Designs through Robustness-Based Multi-Criteria Decision Making in Zero-Emission Buildings. <i>Energies</i> , 2022 , 15, 1314	3.1	
125	Building Thermal-Network Models: A Comparative Analysis, Recommendations, and Perspectives. <i>Energies</i> , 2022 , 15, 1328	3.1	3
124	Development of nitrogen-decorated carbon dots (NCDs) thermally conductive film for windows application. 1		0
123	Exploring the Eco-nessIbf South Africal eco-estates. 1-20		
122	Nearly Zero-Energy and Positive-Energy Buildings: Status and Trends. 2022 , 239-273		0
121	Thermal performance assessment of a wall built with earth-based adobes and reinforced with pinnate leaves fibers. 2022 ,		1
120	Performance Evaluation of Phase Change Materials to Reduce the Cooling Load of Buildings in a Tropical Climate. 2022 , 14, 3171		1
119	Effect of Architectural Building Design Parameters on Thermal Comfort and Energy Consumption in Higher Education Buildings. 2022 , 12, 329		3
118	Multifunctional Wearable Thermoelectrics for Personal Thermal Management. 2200548		15
117	Lightweight Cellular Concrete Properties and Geotechnical Applications. 2022,		O
116	Implementation of BIM Energy Analysis and Monte Carlo Simulation for Estimating Building Energy Performance Based on Regression Approach: A Case Study. 2022 , 12, 449		7
115	Modeling, Simulation and Testing of Atomization Temperature Change Point of Thermochromic Glass for Building Energy Saving. 9,		
114	Development of Bioclimatic Passive Designs for Office Building in Burkina Faso. 2022 , 14, 4332		О
113	Experimental analysis of airtightness performance in high-rise residential buildings for improved code-compliant simulations. 2022 , 261, 111980		Ο
112	Energetic and thermal comfort assessment of phase change material passively incorporated building envelope in severe hot Climate: An experimental study. 2022 , 314, 118957		О
111	Associating indoor air temperature with building spatial design and occupancy features: A statistical analysis on university classrooms. 2022 , 216, 109009		O

110	A new experimental strategy assessing the optimal thermo-mechanical properties of plaster composites containing Alfa fibers. 2022 , 262, 111984		О
109	Full-Color Solar-Heat-Resistant Films Based on Nanometer Optical Coatings 2021,		7
108	Evaluating an active low-energy cooling upgrade to the building envelope in the hot climates of the Middle East. 2022 , 17, 118-129		
107	Conduction heat transfer switching using magnetic Fe\$\$_{x}\$\$O\$\$_{y}\$\$-decorated carbon-based nanomaterials. 1		O
106	BECOP: A New Metric for Measuring the Energy Performance of the Building Envelope. 2022 , 12, 553		
105	Interactions between Seismic Safety and Energy Efficiency for Masonry Infill Walls: A Shift of the Paradigm. <i>Energies</i> , 2022 , 15, 3269	3.1	О
104	The use of perlite in civil engineering applications. 2022 , 1242, 012022		О
103	Effect of moisture content on hygrothermal properties: Comparison between pith and hemp shiv composites and other construction materials. 2022 , 340, 127731		О
102	Energy savings potential of reversible photothermal windows with near infrared-selective plasmonic nanofilms. 2022 , 263, 115705		1
101	Influence of the building energy efficiency on indoor air temperature: The case of a typical school classroom in Serbia. 2022 , 67-67		1
100	Using Regression Model to Develop Green Building Energy Simulation by BIM Tools. 2022 , 14, 6262		2
99	Exploring solutions to achieve carbon neutrality in China: A comparative study of a large-scale Passive House district and a Green Building district in Qingdao. 2022 , 112224		1
98	Effect of firing temperature on humidity self-regulation functionality in a ceramic tile composition. 2022 ,		О
97	A Comparative Performance Analysis of Different Insulation Materials Installed in a Residential Building of a Cold Region in Pakistan. 2022 , 6, 165		O
96	Toward Energy-Efficient Houses Considering Social Cultural Needs in Bahrain: A New Framework Approach. 2022 , 14, 6842		1
95	Exergy and exergo-economic analysis of a hybrid renewable energy system under different climate conditions. 2022 , 194, 396-414		O
94	Rendering passive radiative cooling capability to cotton textile by an alginate/CaCO3 coating via synergistic light manipulation and high water permeation. 2022 , 240, 109988		1
93	Optimal positioning of phase change material and insulation through numerical investigations to reduce cooling loads in office buildings. <i>Journal of Energy Storage</i> , 2022 , 52, 104946	7.8	O

92	Per capita renewable energy consumption in 116 countries: The effects of urbanization, industrialization, GDP, aging, and trade openness. <i>Energy</i> , 2022 , 254, 124289	7.9	2
91	Plant performance analysis of biofacades in a hot, arid Region of Qatar. <i>Urban Ecosystems</i> ,	2.8	
90	High-efficiency energy-saving buildings utilizing potassium tungsten bronze heat-insulating glass and polyethylene glycol/expanded energy storage blanket. <i>Energy</i> , 2022 , 124585	7.9	
89	Integration of passive energy conservation measures in a detached residential building design in warm humid climate. <i>Energy</i> , 2022 , 124587	7.9	1
88	Mapping gendered vulnerability to energy poverty in Romania. Applied Spatial Analysis and Policy,	1.7	O
87	Energy consumption of a building with phase change material walls The effect of phase change material properties. <i>Journal of Energy Storage</i> , 2022 , 52, 105080	7.8	O
86	Forecasting of safe-green buildings using decision tree algorithm: data mining approach. <i>Environment, Development and Sustainability</i> ,	4.5	О
85	Thermal Comfort¶ase Study in a Lightweight Passive House. <i>Energies</i> , 2022 , 15, 4687	3.1	
84	A non-volatile thermal switch for building energy savings. Cell Reports Physical Science, 2022, 100960	6.1	
83	Green building envelope designs in different climate and seismic zones: Multi-objective ANN-based genetic algorithm. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 53, 102505	4.7	2
82	Electro-optical characteristics of polymer-dispersed liquid crystal containing copper (II) phthalocyanine as a function of UV irradiation time. <i>Journal of Molecular Liquids</i> , 2022 , 363, 119821	6	0
81	Thermal load calculation of building envelope set up with the help of a drone setup. 2021,		1
80	Experimental and Co-Simulation Performance Evaluation of an Earth-to-Air Heat Exchanger System Integrated into a Smart Building. <i>Energies</i> , 2022 , 15, 5407	3.1	
79	Green Roof Benefits and Technology Assessment. A Literature Review. 2022 , 1937-1946		
78	Predicting Cooling Energy Demands of Adaptive Facades Using Artificial Neural Network. 2022,		
77	Thermal Environment and Energy Performance of a Typical Classroom Building in a Hot-Humid Region: A Case Study in Guangzhou, China. 2022 , 2022, 1-14		1
76	Compositional effect on humidity self-regulation functionality in gibbsite-based ceramic tiles. 2022,		О
75	Improving thermal comfort in mosques of hot-humid climates through passive and low-energy design strategies. 2022 ,		О

74	Boron Nitride-Doped Inorganic Hydrated Salt Gels Demonstrating Superior Thermal Energy Storage and Wearability Toward High-Performance Personal Thermal Management.	Ο
73	The Concept of Green Industrial Zones. 2023 , 56-66	
72	A systemic review to improve the intermittent operation efficiency of air-conditioning and heating system. 2022 , 105136	0
71	Energy, economic and environmental benefits of integrating passive design strategies into buildings: A review. 2022 , 167, 112828	5
70	Analysis of the Temperature Field and Deformation Characteristics of Foam Glass Thermal Insulating Decorative Integrated Board System. 2022 , 38, 102299	
69	Modelling and multi-objective optimization of hybrid energy storage solution for photovoltaic powered off-grid net zero energy building. 2022 , 55, 105273	1
68	Scalable and sustainable wood for efficient mechanical energy conversion in buildings via triboelectric effects. 2022 , 102, 107670	0
67	A critical review of biomimetic building envelopes: towards a bio-adaptive model from nature to architecture. 2022 , 169, 112850	1
66	Socio-economic and environmental cost-benefit analysis of passive houses: A life cycle perspective. 2022 , 373, 133718	0
65	A critical review for formulation and conceptualization of an ideal building envelope and novel sustainability framework for building applications. 2022 , 11, 100555	3
64	A Comprehensive Review on Building Energy Saving During the Past Decade. 2022 , 489-502	0
63	Application of synergic evidence-based design and sustainable technology strategies in off-grid residential NZEBs in the severe cold zone of China: A case study of The Steppe Ark. 2022 , 1074, 012023	O
62	Energy efficiency management and setpoints optimisation strategy in retail store building, India. 2022 , 7,	0
61	Scalable and High-Performance Radiative Cooling Fabrics through an Electrospinning Method.	O
60	Optimization of Building Envelope In Terms Of Sound Insulation and Thermal Performance-Case Study: Antalya 100.Yil Boulevard.	0
59	Environmental Adaptations for Achieving Sustainable Regeneration: A Conceptual Design Analysis on Built Heritage Fujian Tulous. 2022 , 14, 11467	1
58	Radiative cooling for passive thermal management towards sustainable carbon neutrality.	0
57	Life cycle energy analysis of residential wooden buildings versus concrete and steel buildings: A review. 8,	O

56	Evaluating and Identifying Climatic Design Features in Traditional Iranian Architecture for Energy Saving (Case Study of Residential Architecture in Northwest of Iran). 2022 , 2022, 1-12	0
55	A novel approach for occupants' horizontal and vertical movement modeling in non-residential buildings using Immersive Virtual Environment (IVE). 2022 , 87, 104193	0
54	BIM-BASED ENERGY PERFORMANCE EVALUATION OF A BUILDING ENVELOPE IN SEMI-ARID CLIMATE ZONE IN THE MIDDLE EAST. 2022 , 17, 227-258	0
53	A multi-sector causal network of urban heat vulnerability coupling with mitigation. 2022, 109746	Ο
52	Vertical Greening Systems: Technological Benefits, Progresses and Prospects. 2022 , 14, 12997	1
51	Development of a Framework to Support Whole-Life-Cycle Net-Zero-Carbon Buildings through Integration of Building Information Modelling and Digital Twins. 2022 , 12, 1747	O
50	Magnesium Oxychloride Cement with Phase Change Material: Novel Environmentally-friendly Composites for Heat Storage. 2022 ,	2
49	Performance enhancement and life cycle analysis of a novel solar HVAC system using underground water and energy recovery technique. 2022 , 36, 101515	Ο
48	Assessment of the Retrofit Strategies on Thermal Insulation Applied in Buildings Located on the Southern Border of the EU: The Case of the Canary Islands. 2022 , 12, 1994	0
47	Thermal Effects of Dew on Cool Roofs and Conventional Roofs in Building Performance Simulations. 2022 , 112645	Ο
46	Complementary influence of green-roof and roof-slab thermal conductivity on winter indoor warming assessed by finite element analysis. 2022 , 8, 14852-14864	0
45	Study on the Performance and Mechanisms of High-Performance Foamed Concrete. 2022 , 15, 7894	2
44	Thermal Performance Evaluation of A Novel Building Wall for Lightweight building Containing Phase Change Materials and Interlayer Ventilation: An Experimental Study. 2022 , 112677	0
43	Analysis of Solar Chimney Application for Building Heating and Cooling in Different Climates in China. 2023 , 149,	O
42	Prioritize the Right Renovation Measures in Cooling-Dominated Environments. 2022,	0
41	Impact of Location and Insulation Material on Energy Performance of Residential Buildings as per Saudi Building Code (SBC) 601/602 in Saudi Arabia. 2022 , 15, 9079	Ο
40	Shape Memory Polymer Foam for Autonomous Climate-Adaptive Building Envelopes. 2022 , 12, 2236	0
39	Thermal performance analysis of PCM building for Moderate climatic region in Bangalore City, India. 2022 , 1100, 012003	Ο

38	The Potential of Using Passive Cooling Roof Techniques to Improve Thermal Performance and Energy Efficiency of Residential Buildings in Hot Arid Regions. 2023 , 13, 21	O
37	Electrically and Thermally Controllable Visible-to-Near-Infrared Light Trapping Smart Window with Tunable Optical States. 2201773	O
36	Toward multi-species building envelopes: A critical literature review of multi-criteria decision-making for design support. 2023 , 110006	0
35	Thermal Assessment of a Ventilated Double Skin Fallde Component with a Set of Air Filtering Photocatalytic Slats in the Cavity. 2023 , 13, 272	O
34	Passive buildings: a state-of-the-art review. 2023 , 4,	0
33	Long-term carbon intensity reduction potential of K-12 school buildings in the United States. 2023 , 112802	1
32	Self-repairing thermal energy storage gels demonstrating superior thermophysical properties and wearability towards personal thermal management in static and dynamic modes. 2023 , 457, 141201	1
31	A whole life, national approach to optimize the thickness of wall insulation. 2023 , 174, 113137	O
30	A comprehensive optimization framework for the design of high-performance building systems. 2023 , 65, 105709	О
29	Nature-Inspired Solar-Thermal Gradient Reduced Graphene Oxide Aerogel-based Bilayer Phase Change Composites for Self-Adaptive Personal Thermal Management. 2212032	O
28	Smart Buildings. 2023 , 87-95	О
27	Investigation on Summer Thermal Comfort and Passive Thermal Improvements in Naturally Ventilated Nepalese School Buildings. 2023 , 16, 1251	1
26	MOF-Integrated Hierarchical Composite Fiber for Efficient Daytime Radiative Cooling and Antibacterial Protective Textiles.	О
25	Investigating the energy-saving potential of using thermochromic coatings on opaque and transparent elements of educational buildings.	O
24	Machine learning ssisted prediction of heat fluxes through thermally anisotropic building envelopes. 2023 , 234, 110157	О
23	A coupled heat and mass transfer model of green roof with water storage layer. 2023 , 235, 110245	O
22	Retrofitting passive cooling strategies to combat heat stress in the face of climate change: A case study of a ready-made garment factory in Dhaka, Bangladesh. 2023 , 286, 112954	0
21	Review on passive energy dissipation devices and techniques of installation for high rise building structures. 2023 , 51, 1019-1029	O

20	Uncertainty method and sensitivity analysis for assessment of energy consumption of underground metro station. 2023 , 92, 104504	1
19	Appraisal of energy loss reduction in green buildings using large-scale experiments compiled with swarm intelligent solutions. 2023 , 57, 103215	O
18	A responsive double-skin fallde for the retrofit of existing buildings: Analysis on an office building in a Mediterranean climate. 2023 , 284, 112850	1
17	Recent Advances in Thermoregulatory Clothing: Materials, Mechanisms, and Perspectives. 2023 , 17, 1803	-1830 ₀
16	A Review on the Policy, Technology and Evaluation Method of Low-Carbon Buildings and Communities. 2023 , 16, 1773	1
15	Nano-enhanced phase change materials for energy storage in photovoltaic thermal management systems: A bibliometric and thematic analysis. 2023 , 17, 100310	Ο
14	Study on Polypropylene Twisted Bundle Fiber Reinforced Lightweight Foamed Concrete. 2023 , 13, 541	0
13	TecSB: An Open Web Tool of Energy Efficiency and Solar Energy Integration in Mexican Buildings. 2023 , 15, 3630	Ο
12	Optimisation of energy and life cycle costs via building envelope: a BIM approaches.	0
11	Numerical study on the thermal and electrical performance of a novel MCHP PV-Trombe wall system. 2023 , 269, 126941	Ο
10	Energy Rehabilitation of Residential Buildings: Proposed Solutions for Bragan City. 2023, 68-77	0
9	Impact of heatwaves and system shocks on a nearly zero energy educational building: Is it resilient to overheating?. 2023 , 234, 110152	Ο
8	IDENTIFICATION AND PRIORITIZATION OF ENERGY CONSUMPTION OPTIMIZATION STRATEGIES IN THE BUILDING INDUSTRY USING THE HYBRID SWARA-BIM MODEL. 2023 , 18, 37-69	0
7	A French Residential Retrofit toward Achieving Net-Zero Energy Target in a Mediterranean Climate. 2023 , 13, 833	O
6	Thermal performance of different construction materials used in New Zealand dwellings comparatively to international practice 🖪 systematic literature review. 2023 , 106346	0
5	Implementation of Vegetated Green Urban Infrastructure: Is It Cost-Effective?. 2023, 311-328	O
4	Frequency selective surface on low emissivity windows as a means of improving telecommunication signal transmission: A review. 2023 , 70, 106416	0
3	Energy, Thermal, and Economic Benefits of Aerogel Glazing Systems for Educational Buildings in Hot Arid Climates. 2023 , 15, 6332	0

Numerical Simulation Analyses on Envelope Structures of Economic Passive Buildings in Severe Cold Region. **2023**, 13, 1098

О

Facile fabrication of multifunctional energy-saving building materials with excellent thermal insulation, robust mechanical property and ultrahigh flame retardancy. **2023**, 277, 127773

О