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Existing building retrofits: Methodology and state-of-the-art

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758	Multi-attribute Selection of Public Buildings Retrofits Strategy. <b>2013</b> , 57, 1236-1241		18
757	Protocol for maximizing energy savings and indoor environmental quality improvements when retrofitting apartments. <i>Energy and Buildings</i> , <b>2013</b> , 61, 378-386	7	19
756	Selection of Efficient Retrofit Scenarios for Public Buildings. <b>2013</b> , 57, 651-656		5
755	Refurbishment decision support tools review [Energy and life cycle as key aspects to sustainable refurbishment projects. <b>2013</b> , 62, 1453-1460		50
754	State of the Art on Retrofit Strategies Selection Using Multi-objective Optimization and Genetic Algorithms. <b>2013</b> , 279-297		1
753	Cost-benefit analysis and emission reduction of energy efficient lighting at the Universiti Tenaga Nasional. <b>2014</b> , 2014, 745894		17
752	Essential BIM Input Data Study for Housing Refurbishment: Homeowners' Preferences in the UK. <i>Buildings</i> , <b>2014</b> , 4, 467-487	3.2	14
751	Skylight Application for Natural Lighting in a Building; the University of Tehran Branch of Melli Bank Case Study. <b>2014</b> , 13, 06003		1
750	Impact of Building Refurbishment on the Operative Temperature and PMV. <b>2014</b> , 1041, 325-328		1
749	Review on the Study of Green Design Performance for Building Refurbishment Project: Finding the Gaps in Knowledge. <b>2014</b> , 548-549, 1641-1645		
748	Energy efficiency in commercial buildings: capturing added-value of retrofit. <b>2014</b> , 32, 396-414		15

747	Model integrated of life-cycle costing and dynamic thermal simulation (MILD) to evaluate roof insulation materials for existing livestock buildings. <i>Energy and Buildings</i> , <b>2014</b> , 81, 48-58	7	18
746	INTEGRATED EVALUATION OF EXTERNAL WALL INSULATION IN RESIDENTIAL BUILDINGS USING SWARA-TODIM MCDM METHOD. <b>2014</b> , 20, 103-110		71
745	Comparative study of project management and critical success factors of greening new and existing buildings in Singapore. <b>2014</b> , 32, 413-433		35
744	Evaluating rehabilitation of the social housing envelope: Experimental assessment of thermal indoor improvements during actual operating conditions in dry hot climate, a case study. <i>Energy and Buildings</i> , <b>2014</b> , 75, 264-271	7	28
743	Understanding the risks and uncertainties introduced by common assumptions in energy simulations for Australian commercial buildings. <i>Energy and Buildings</i> , <b>2014</b> , 75, 382-393	7	41
742	Success factors of energy efficiency measures in buildings in Norway. <i>Energy and Buildings</i> , <b>2014</b> , 76, 476-487	7	21
741	Experimental and data collection methods for a large-scale smart grid deployment: Methods and first results. <b>2014</b> , 65, 462-471		61
740	A multi-objective optimization model for the life-cycle cost analysis and retrofitting planning of buildings. <i>Energy and Buildings</i> , <b>2014</b> , 77, 227-235	7	117
739	An environmental and economic sustainability assessment method for the retrofitting of residential buildings. <i>Energy and Buildings</i> , <b>2014</b> , 74, 132-140	7	46
738	Big meter data analysis of the energy efficiency potential in Stockholm's building stock. <i>Energy and Buildings</i> , <b>2014</b> , 78, 153-164	7	49
737	Combined cooling, heating and power for small urban districts: An Italian case-study. <b>2014</b> , 71, 705-713		28
736	Green building research—current status and future agenda: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 30, 271-281	16.2	559
735	Energy refurbishment of existing buildings through the use of phase change materials: Energy savings and indoor comfort in the cooling season. <b>2014</b> , 113, 990-1007		211
734	Analysis of energy efficiency retrofit schemes for heating, ventilating and air-conditioning systems in existing office buildings based on the modified bin method. <b>2014</b> , 77, 233-242		37
733	Ranking cost effective energy conservation measures for heating in Hellenic residential buildings. <i>Energy and Buildings</i> , <b>2014</b> , 70, 318-332	7	28
732	Energy performance comparison of three innovative HVAC systems for renovation through dynamic simulation. <i>Energy and Buildings</i> , <b>2014</b> , 82, 512-519	7	42
731	Integrating requirement analysis and multi-objective optimization for office building energy retrofit strategies. <i>Energy and Buildings</i> , <b>2014</b> , 82, 356-368	7	71
730	Green building design solution for a kindergarten in Amman. <i>Energy and Buildings</i> , <b>2014</b> , 76, 524-537	7	16

729	Building thermal energy modeling with loss minimization. <b>2014</b> , 49, 110-121		6
728	Analysis and case studies of residential heat metering and energy-efficiency retrofits in China's northern heating region. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 38, 765-774	16.2	12
727	Implications of global warming for commercial building retrofitting in Australian cities. <b>2014</b> , 74, 86-95		27
726	Thermal insulation alternatives of historic brick buildings in Baltic Sea Region. <i>Energy and Buildings</i> , <b>2014</b> , 78, 35-42	7	93
725	Framework for the analysis of the low-carbon scenario 2020 to achieve the national carbon Emissions reduction target: Focused on educational facilities. <b>2014</b> , 73, 356-367		20
724	A Bayesian Approach for Best Practice Recommendations in Collaborative Designs of Construction Projects. <b>2014</b> ,		
723	A Control System Approach to Corrective Maintenance Planning of Building Retrofitted Facilities. <b>2014</b> , 47, 12056-12061		
722	Mind the gap between sustainable design and facilities management. <b>2014</b> , 221-227		1
721	A multi-criteria decision framework for the selection of low carbon building measures for office buildings in Hong Kong. <b>2014</b> , 8, 456-476		14
720	Combination of AHP-PROMETHEE and TOPSIS for selecting the best Demand Side Management (DSM) options. <b>2015</b> ,		1
719	Retrofitting Solutions for Energy Saving in a Historical Building Lighting System. <b>2015</b> , 78, 2669-2674		18
718	A BIM-integrated Fuzzy Multi-criteria Decision Making Model for Selecting Low-Carbon Building Measures. <b>2015</b> , 118, 606-613		17
717	Polygeneration Microgrids for Residential Applications. <b>2015</b> , 1-12		0
716	An Overview of Green Retrofitting Implementation in Non Residential Existing Buildings. <b>2015</b> , 73,		2
715	Optimizing Whole House Deep Energy Retrofit Packages: A Case Study of Existing Chicago-Area Homes. <i>Buildings</i> , <b>2015</b> , 5, 323-353	3.2	13
714	Integrating Life Cycle Energy into the Design of Façade Refurbishment for a Post-War Residential Building in The Netherlands. <i>Buildings</i> , <b>2015</b> , 5, 622-649	3.2	7
713	A Methodology to Support Decision-Making Towards an Energy-Efficiency Conscious Design of Residential Building Envelope Retrofitting. <i>Buildings</i> , <b>2015</b> , 5, 1221-1241	3.2	7
712	Improving Management of Green Retrofits from a Stakeholder Perspective: A Case Study in China. <b>2015</b> , 12, 13823-42		41

711	Profiling Space Heating Behavior in Chilean Social Housing: Towards Personalization of Energy Efficiency Measures. <b>2015</b> , 7, 7973-7996		8
710	An economic analysis of Cyprus residential buildings energy retrofits potential. <b>2015</b> , 34, 166-187		7
709	Energy retrofit of an educational building in the ancient center of Benevento. Feasibility study of energy savings and respect of the historical value. <i>Energy and Buildings</i> , <b>2015</b> , 95, 172-183	7	109
708	An improved strategic decision-making model for energy conservation measures. <b>2015</b> , 6, 92-108		4
707	The development of a monolithic aerogel glazed window for an energy retrofiting project. <b>2015</b> , 154, 603-615		107
706	Evaluating indoor environment of a retrofitted multi-family building with improved energy performance in Sweden. <i>Energy and Buildings</i> , <b>2015</b> , 102, 32-44	7	59
705	Factors influencing the retrofiting of existing office buildings using Adelaide, South Australia as a case study. <b>2015</b> , 33, 150-166		29
704	Turning building renovation measures into energy saving opportunities. <b>2015</b> , 33, 133-149		7
703	Effect of Occupant Behavior and Control Systems on the Reduction of Energy Needs of Residential Buildings. <b>2015</b> , 78, 633-638		5
702	Using multi-objective optimization for the integrated energy efficiency improvement of a smart city public buildings' portfolio. <b>2015</b> ,		10
701	Energy and Economic Evaluation of Retrofit Actions on an Existing Historical Building in the South of Italy by Using a Dynamic Simulation Software. <b>2015</b> , 78, 741-746		12
700	Systematic workflow for runtime adaptation of Building Automation Systems. <b>2015</b> ,		
699	Evaluation on Thermal Behavior of a Green Roof Retrofit System Installed on Experimental Building in Composite Climate of Roorkee, India. <b>2015</b> , 96, 277-284		1
698	Literature review of green retrofit design for commercial buildings with BIM implication. <b>2015</b> , 4, 188-214		27
697	Hybrid Model Predictive Control of a Residential HVAC System with PVT Energy Generation and PCM Thermal Storage. <b>2015</b> , 83, 21-30		29
696	Improving benefit-cost analysis to overcome financing difficulties in promoting energy-efficient renovation of existing residential buildings in China. <b>2015</b> , 141, 119-130		38
695	Decision methodology for the development of an expert system applied in an adaptable energy retrofit façade system for residential buildings. <b>2015</b> , 78, 498-508		20
694	Energy retrofit of historic and existing buildings. The legislative and regulatory point of view. <i>Energy and Buildings</i> , <b>2015</b> , 95, 23-31	7	136

693	Energy analysis and refurbishment proposals for public housing in the city of Bari, Italy. <b>2015</b> , 79, 58-71		17
692	Evaluation on classroom thermal comfort and energy performance of passive school building by optimizing HVAC control systems. <b>2015</b> , 89, 86-106		53
691	Development and optimization of an innovative HVAC system with integrated PVT and PCM thermal storage for a net-zero energy retrofitted house. <i>Energy and Buildings</i> , <b>2015</b> , 94, 21-32	7	96
690	LCA-based study on structural retrofit options for masonry buildings. <b>2015</b> , 20, 23-35		23
689	Energy retrofit analysis toolkits for commercial buildings: A review. <b>2015</b> , 89, 1087-1100		80
688	Performance analysis of ground water-source heat pump system with improved control strategies for building retrofit. <b>2015</b> , 80, 324-330		28
687	A multi-level energy performance diagnosis method for energy information poor buildings. <b>2015</b> , 83, 189-203		35
686	Impact of low investment strategies for space heating control: Application of thermostatic radiators valves to an old residential building. <i>Energy and Buildings</i> , <b>2015</b> , 95, 202-210	7	35
685	Characterization of hygrothermal properties of sandstones and moisture behaviors. <i>Energy and Buildings</i> , <b>2015</b> , 107, 479-494	7	15
684	Overcoming the inertia of building energy retrofit at municipal level: The Italian challenge. <b>2015</b> , 15, 120-134		55
683	Commercial Building Energy Saver: An energy retrofit analysis toolkit. <b>2015</b> , 159, 298-309		108
682	Building energy retrofits under capital constraints and greenhouse gas pricing scenarios. <i>Energy and Buildings</i> , <b>2015</b> , 107, 407-416	7	21
681	Integrated approach for school buildings rehabilitation in a Portuguese city and analysis of suitable third party financing solutions in EU. <i>Journal of Building Engineering</i> , <b>2015</b> , 3, 79-93	5.2	18
680	Strategies for cost efficient refurbishment and solar energy integration in European Case Study buildings. <i>Energy and Buildings</i> , <b>2015</b> , 102, 237-249	7	41
679	Sensitivity analysis in determining the optimum energy for residential buildings in Polish conditions. <i>Energy and Buildings</i> , <b>2015</b> , 107, 307-318	7	26
678	Energy retrofit techniques: An experimental study of two typical school buildings in Tehran. <i>Energy and Buildings</i> , <b>2015</b> , 104, 65-72	7	28
677	Improving the energy performance of residential buildings: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 52, 960-975	16.2	138
676	A new methodology for investigating the cost-optimality of energy retrofitting a building category. <i>Energy and Buildings</i> , <b>2015</b> , 107, 456-478	7	130

675	Accelerating the energy retrofit of commercial buildings using a database of energy efficiency performance. <b>2015</b> , 90, 738-747		41
674	Optimal Technologies for External Thermal Insulation with Polystyrene Panels for Different Support Materials. <b>2015</b> , 19, 512-517		2
673	Modeling and Simulation-based Analysis for Large Scale Campus Chilled Water Networks. <b>2015</b> ,		1
672	Passive energy strategies in the retrofitting of the residential sector: A practical case study in dry hot climate. <b>2015</b> , 8, 593-602		18
671	Improving building energy efficiency by multiobjective neighborhood field optimization. <i>Energy and Buildings</i> , <b>2015</b> , 87, 45-56	7	51
670	Cost analyses of energy-efficient renovations of a Moscow residential district. <b>2015</b> , 14, 5-15		25
669	Energy Audit of Health Care Facilities: Dynamic Simulation of Energy Performances and Energy-Oriented Refurbishment of System and Equipment for Microclimatic Control. <b>2016</b> , 9, 814-834		3
668	Assessment of Retrofitting Measures for a Large Historic Research Facility Using a Building Energy Simulation Model. <i>Energies</i> , <b>2016</b> , 9, 466	3.1	5
667	Efficient Solutions and Cost-Optimal Analysis for Existing School Buildings. <i>Energies</i> , <b>2016</b> , 9, 851	3.1	35
666	A Decision Making Tool for a Comprehensive Evaluation of Building Retrofitting Actions at the Regional Scale. <b>2016</b> , 8, 990		16
665	Large-scale building energy efficiency retrofit: Concept, model and control. <b>2016</b> , 109, 456-465		54
664	Sustainability of higher educational buildings. <b>2016</b> , 1, 28		5
663	Prefabricated Timber Façade for the Energy Refurbishment of the Italian Building Stock: The Ri.Fa.Re. Project. <b>2016</b> , 96, 788-799		12
662	Optimizing HVAC operation in commercial buildings: A genetic algorithm multi-objective optimization framework. <b>2016</b> ,		9
661	A meta model-based methodology for an energy savings uncertainty assessment of building retrofitting. <b>2016</b> , 7, 402		4
660	Methodology to define cost-optimal level of architectural measures for energy efficient retrofits of existing detached residential buildings in Turkey. <i>Energy and Buildings</i> , <b>2016</b> , 120, 58-77	7	36
659	Evolutionary Multi-objective Optimization in Building Retrofit Planning Problem. <b>2016</b> , 145, 565-570		5
658	BIM-aided variable fuzzy multi-criteria decision making of low-carbon building measures selection. <b>2016</b> , 27, 222-232		28

657	Energy management in public institutional and educational buildings: The case of the school of engineering and architecture in Bologna. <i>Energy and Buildings</i> , <b>2016</b> , 126, 365-374	7	27
656	Using BIM to Retrofit Existing Buildings. <b>2016</b> , 145, 1526-1533		52
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654	Multi-objective optimization and simulation model for the design of distributed energy systems. <b>2016</b> , 184, 1508-1516		99
653	The impact of future scenarios on building refurbishment strategies towards plus energy buildings. <i>Energy and Buildings</i> , <b>2016</b> , 124, 153-163	7	70
652	A BIM-GIS integrated pre-retrofit model for building data mapping. <b>2016</b> , 9, 513-527		34
651	Smart innovation systems for indoor environmental quality (IEQ). <i>Journal of Building Engineering</i> , <b>2016</b> , 8, 1-13	5.2	22
650	Determinants of managerial engagement in environmental responsibility in the public assembly facility sector. <b>2016</b> , 54, 2084-2102		3
649	State-of-the-art review revealing a roadmap for public building water and energy efficiency retrofit projects. <b>2016</b> , 5, 526-548		28
648	Do deep low carbon domestic retrofits actually work?. <i>Energy and Buildings</i> , <b>2016</b> , 129, 330-343	7	36
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645	Multi-criteria assessment for the effective decision management in residential energy retrofiting. <i>Energy and Buildings</i> , <b>2016</b> , 129, 284-307	7	40
644	Energy and economic analysis and feasibility of retrofit actions in Italian residential historical buildings. <i>Energy and Buildings</i> , <b>2016</b> , 128, 649-659	7	58
643	Usability of energy performance assessment tools for different use purposes with the focus on refurbishment projects. <i>Energy and Buildings</i> , <b>2016</b> , 127, 217-228	7	5
642	Proposed methodology for measurement, survey and assessment of vertical deformation of structures. <b>2016</b> , 34, 276-296		6
641	A multi-criteria group decision-making method for the thermal renovation of masonry buildings: The case of Algeria. <i>Energy and Buildings</i> , <b>2016</b> , 129, 471-483	7	33
640	A game theory based analysis of decision making for green retrofit under different occupancy types. <b>2016</b> , 137, 1300-1312		69



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637	Primary BIM dataset for refurbishing flood risk vulnerable housing in the UK. <b>2016</b> , 6, 365-378		2
636	Modeling the energy retrofit decision in commercial office buildings. <i>Energy and Buildings</i> , <b>2016</b> , 131, 1-20	7	66
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628	On the application of wireless sensors and actuators network in existing buildings for occupancy detection and occupancy-driven lighting control. <i>Energy and Buildings</i> , <b>2016</b> , 127, 75-83	7	43
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626	A case study for the evaluation of realistic energy retrofit strategies for public office buildings in the Southern Hemisphere. <b>2016</b> , 9, 113-125		10
625	Information exchange requirements for building walk-through energy audits. <b>2016</b> , 22, 328-336		1
624	Dynamic simulation and on-site measurements for energy retrofit of complex historic buildings: Villa Mondragone case study. <i>Journal of Building Engineering</i> , <b>2016</b> , 6, 17-28	5.2	58
623	An approach on the thermal behaviour assessment of tabique walls coated with schist tiles: Experimental analysis. <i>Energy and Buildings</i> , <b>2016</b> , 117, 11-19	7	6
622	Methodology of energy efficient building refurbishment: Application on two university campus-building case studies in Italy with engineering students. <i>Journal of Building Engineering</i> , <b>2016</b> , 6, 54-64	5.2	28

621	A process for developing deep energy retrofit strategies for single-family housing typologies: Three Toronto case studies. <i>Energy and Buildings</i> , <b>2016</b> , 116, 522-534	7	25
620	Thermal energy performance in working-spaces from biomorphic models: The tuna case in an office building. <b>2016</b> , 9, 347-357		10
619	Towards successful environmental performance of sustainable cities: Intervening sectors. A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 57, 479-495	16.2	72
618	Overheating risk barriers to energy renovations of single family houses: Multicriteria analysis and assessment. <i>Energy and Buildings</i> , <b>2016</b> , 117, 138-148	7	40
617	A taxonomy of data types and data collection methods for building energy monitoring and performance simulation. <b>2016</b> , 10, 263-293		13
616	Social marketing and value in behaviour?. <b>2016</b> , 6, 144-168		39
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614	Window retrofit strategy for energy saving in existing residences with different thermal characteristics and window sizes. <b>2016</b> , 37, 18-32		14
613	Evaluating Sustainable Building-Maintenance Projects: Balancing Economic, Social, and Environmental Impacts in the Case of Hong Kong. <b>2016</b> , 142, 06015003		15
612	Assessment of energy-saving technologies retrofitted to existing public buildings in China. <b>2016</b> , 9, 67-94		16
611	On an innovative integrated technique for energy refurbishment of historical buildings: Thermal-energy, economic and environmental analysis of a case study. <b>2016</b> , 162, 1313-1322		84
610	A new validation protocol for an urban microclimate model based on temperature measurements in a Central European city. <i>Energy and Buildings</i> , <b>2016</b> , 114, 38-53	7	4
609	Office building cooling load reduction using thermal analysis method [A case study. <b>2017</b> , 185, 1574-1584		35
608	A Decision Making Technique to Optimize a Buildings Stock Energy Efficiency. <b>2017</b> , 47, 794-807		36
607	Retrofitting the existing building stock through a development rights market stimulation tool: An assessment of a recent experience in Northern Italy. <b>2017</b> , 54, 1905-1920		2
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605	Economic analysis of wider benefits to facilitate SuDS uptake in London, UK. <b>2017</b> , 28, 411-419		58
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602	Global scenarios of urban density and its impacts on building energy use through 2050. <b>2017</b> , 114, 8945-8950		247
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600	Review of low-carbon refurbishment solutions for residential buildings with particular reference to multi-story buildings in Hong Kong. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 73, 393-407	16.2	29
599	ExRET-Opt: An automated exergy/exergoeconomic simulation framework for building energy retrofit analysis and design optimisation. <b>2017</b> , 192, 33-58		33
598	Artificial Neural Networks for Predicting the Energy Behavior of a Building Category: A Powerful Tool for Cost-Optimal Analysis. <b>2017</b> , 305-340		0
597	Evaluation of the renovation of a Danish single-family house based on measurements. <i>Energy and Buildings</i> , <b>2017</b> , 150, 189-199	7	17
596	Assessment of Cost Optimal Solutions for High Performance Multi-family Buildings in Iran. <b>2017</b> , 111, 318-327		7
595	Estimating the Economic Value of Energy Improvements in U.S. Residential Housing. <b>2017</b> , 143, 04017048		9
594	Residential Building Retrofit through Numerical Simulation: A Case Study. <b>2017</b> , 111, 91-100		17
593	A framework for quantifying the impact of occupant behavior on energy savings of energy conservation measures. <i>Energy and Buildings</i> , <b>2017</b> , 146, 383-396	7	105
592	Energy retrofits in historic and traditional buildings: A review of problems and methods. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 77, 748-759	16.2	152
591	CASA, cost-optimal analysis by multi-objective optimisation and artificial neural networks: A new framework for the robust assessment of cost-optimal energy retrofit, feasible for any building. <i>Energy and Buildings</i> , <b>2017</b> , 146, 200-219	7	64
590	Global sensitivity analysis as a support for the generation of simplified building stock energy models. <i>Energy and Buildings</i> , <b>2017</b> , 149, 368-383	7	24
589	Economic and environmental analysis of energy renovation packages for European office buildings. <i>Energy and Buildings</i> , <b>2017</b> , 148, 155-165	7	40
588	Deep renovation of multi-storey multi-owner existing residential buildings: A pilot case study in Italy. <i>Energy and Buildings</i> , <b>2017</b> , 148, 23-36	7	34
587	SELECTION OF THE INSULATION MATERIALS FOR REFURBISHMENT PURPOSES. <b>2017</b> , 9, 104-115		1
586	Prefabrication as Large-scale Efficient Strategy for the Energy Retrofit of the Housing Stock: An Italian Case Study. <b>2017</b> , 180, 1160-1169		15

585	Rethinking social housing: Behavioural patterns and technological innovations. <b>2017</b> , 33, 102-112		34
584	Probabilistic life cycle costing of existing buildings retrofit interventions towards nZE target: Methodology and application example. <i>Energy and Buildings</i> , <b>2017</b> , 144, 416-432	7	30
583	Energy refurbishment of the Italian residential building stock: energy and cost analysis through the application of the building typology. <b>2017</b> , 105, 148-160		75
582	Attitudes and Practices of Homeowners in the Decision-making Process for Building Energy Renovation. <b>2017</b> , 172, 52-59		24
581	Analysis of building energy consumption through panel data: The role played by the economic drivers. <i>Energy and Buildings</i> , <b>2017</b> , 145, 130-143	7	17
580	Application of the cost-optimal methodology to urban renewal projects at the territorial scale based on statistical data: A case study in Spain. <i>Energy and Buildings</i> , <b>2017</b> , 144, 42-60	7	21
579	Sustainability and cost assessment of coastal vacation homes for energy retrofits. <b>2017</b> , 7, 185-198		2
578	The impact of corporate tax policy on sustainable retrofits. <b>2017</b> , 19, 53-63		1
577	Cool colored coating and phase change materials as complementary cooling strategies for building cooling load reduction in tropics. <b>2017</b> , 190, 57-63		68
576	Micro-climatization and real-time digitalization effects on energy efficiency based on user behavior. <b>2017</b> , 114, 410-428		21
575	An overview of energy retrofit actions feasibility on Italian historical buildings. <b>2017</b> , 137, 991-1000		50
574	Improving sustainable office building operation by using historical data and linear models to predict energy usage. <b>2017</b> , 29, 107-117		22
573	Sustainability of Higher Educational Buildings: Retrofitting Measures to Enhance Energy Performance—The Case of AASTMT Business Management School Building, Egypt. <b>2017</b> , 117-150		1
572	Application of mixed-mode research paradigms to the building sector: A review and case study towards decarbonising the built and natural environment. <b>2017</b> , 35, 692-714		10
571	Deep regeneration vs shallow renovation to achieve nearly Zero Energy in existing buildings: Energy saving and economic impact of design solutions in the housing stock of Bologna. <i>Energy and Buildings</i> , <b>2017</b> , 156, 327-342	7	42
570	Energy in buildings: Policy, materials and solutions. <b>2017</b> , 4, 1		11
569	Linear regression models for prediction of annual heating and cooling demand in representative Australian residential dwellings. <b>2017</b> , 121, 79-86		16
568	Social housing retrofit: Improving energy efficiency and thermal comfort for the housing stock recovery in Mexico. <b>2017</b> , 121, 41-48		13

567	Literature review of Building Information Modeling (BIM) intended for the purpose of renovation projects. <b>2017</b> , 50, 10518-10525		14
566	Assessment of energy efficiency measures using multi-objective optimization in Portuguese households. <b>2017</b> , 35, 764-773		21
565	Critical challenges in management of heritage conservation projects in India. <b>2017</b> , 7, 290-307		11
564	Ensemble Calibration of lumped parameter retrofit building models using Particle Swarm Optimization. <i>Energy and Buildings</i> , <b>2017</b> , 155, 513-532	7	14
563	A system for the management of old building retrofit projects in historical centres: the case of Portugal. <b>2017</b> , 21, 199-211		11
562	Evaluation of the space heating need in residential buildings at territorial scale: The case of Canton Ticino (CH). <i>Energy and Buildings</i> , <b>2017</b> , 148, 218-227	7	11
561	A Multi-criteria Framework for Decision Process in Retrofit Optioneering through Interactive Data Flow. <b>2017</b> , 180, 859-869		7
560	Sustainability focused decision-making in building renovation. <b>2017</b> , 6, 330-350		60
559	Assessing household energy uses: An online interactive tool dedicated to citizens and local stakeholders. <i>Energy and Buildings</i> , <b>2017</b> , 151, 418-428	7	5
558	Dynamic evaluation of the thermal inertia of a single-family house: Scope of the retrofiting requirements to comply with Spanish regulations. <i>Energy and Buildings</i> , <b>2017</b> , 153, 209-218	7	2
557	The promise of BIM for improving building performance. <i>Energy and Buildings</i> , <b>2017</b> , 153, 525-548	7	81
556	Numerical analysis of passive strategies for energy retrofit of existing buildings in Mediterranean climate: thermal mass and natural ventilation combination. <b>2017</b> , 2, 4		2
555	Study of structural reliability of existing concrete structures. <b>2017</b> , 251, 012087		0
554	Sustainability of a Historical Building Renovation Design through the Application of LEED <sup>®</sup> Rating System. <b>2017</b> , 113, 382-389		15
553	Development of a Super-insulating, Aerogel-based Textile Wallpaper for the Indoor Energy Retrofit of Existing Residential Buildings. <b>2017</b> , 180, 1139-1149		13
552	Final energy savings and cost-effectiveness of deep energy renovation of a multi-storey residential building. <b>2017</b> , 135, 563-576		51
551	Evaluation of energy retrofit in buildings under conditions of uncertainty: The prominence of the discount rate. <b>2017</b> , 137, 104-117		58
550	Artificial neural networks to predict energy performance and retrofit scenarios for any member of a building category: A novel approach. <b>2017</b> , 118, 999-1017		131

549	Green retrofitting □ A review of current status, implementations and challenges. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 67, 1360-1368	16.2	73
548	Building energy efficiency: A research branch made of paradoxes. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 69, 1064-1076	16.2	47
547	A field study of wind dominant single sided ventilation through a narrow slotted architectural louvre system. <i>Energy and Buildings</i> , <b>2017</b> , 138, 733-747	7	18
546	Life cycle assessment (LCA) of building refurbishment: A literature review. <i>Energy and Buildings</i> , <b>2017</b> , 135, 286-301	7	195
545	Technological Advancement of Energy Management Facility of Institutional Buildings: A Case Study. <b>2017</b> , 142, 3088-3095		8
544	Smart cool mortar for passive cooling of historical and existing buildings: experimental analysis and dynamic simulation. <b>2017</b> , 134, 536-544		2
543	NZEB target for existing buildings: case study of historical educational building in Mediterranean climate. <b>2017</b> , 140, 194-206		13
542	Optimization of green building design to achieve green building index (GBI) using genetic algorithm (GA). <b>2017</b> ,		3
541	Thermophysical aspects of reconstruction of cold roof spaces. <b>2017</b> , 116, 02030		3
540	Energy-driven refurbishment of existing buildings: review and a solution framework. <b>2017</b> , 11, 135		
539	An Overview of the Challenges for Cost-Effective and Energy-Efficient Retrofits of the Existing Building Stock. <b>2017</b> , 257-278		4
538	Understanding Stakeholders□ Influence on Project Success with a New SNA Method: A Case Study of the Green Retrofit in China. <b>2017</b> , 9, 1927		25
537	Assessment Method for Combined Structural and Energy Retrofitting in Masonry Buildings. <i>Buildings</i> , <b>2017</b> , 7, 71	3.2	24
536	Development of Decision Support Process for Building Energy Conservation Measures and Economic Analysis. <i>Energies</i> , <b>2017</b> , 10, 324	3.1	8
535	Energy Modelling and Automated Calibrations of Ancient Building Simulations: A Case Study of a School in the Northwest of Spain. <i>Energies</i> , <b>2017</b> , 10, 807	3.1	15
534	Combining Life Cycle Environmental and Economic Assessments in Building Energy Renovation Projects. <i>Energies</i> , <b>2017</b> , 10, 1851	3.1	15
533	WITHDRAWN: A Control System Framework for Building Energy Retrofitting and Maintenance Planning. <b>2017</b> , 50, 241-242		1
532	Energy savings due to building insulation of different thickness. <b>2017</b> , 14, 01030		4

531	Evaluation of the Passive Cooling Strategies for Pei Min Sport Complex. <b>2017</b> , 217, 012025		
530	Multi-scale urban data models for early-stage suitability assessment of energy conservation measures in historic urban areas. <i>Energy and Buildings</i> , <b>2018</b> , 164, 87-98	7	16
529	Retrofitting Focus on Vulnerable Residential Buildings in Winter. <b>2018</b> , 59-125		
528	Retrofitting heritage office buildings in the UK: a case study. <b>2018</b> , 8, 39-50		4
527	Greening existing buildings [GEB] strategies. <b>2018</b> , 4, 159-206		35
526	Potential of HVAC and solar technologies for hospital retrofit to reduce heating energy consumption. <b>2018</b> , 32, 01016		1
525	Bayesian verification of an energy conservation measure. <i>Energy and Buildings</i> , <b>2018</b> , 171, 1-10	7	2
524	Advances in switchable and highly insulating autonomous (self-powered) glazing systems for adaptive low energy buildings. <b>2018</b> , 126, 1003-1031		95
523	A multi-criteria application to select energy retrofit measures at the building and district scale. <b>2018</b> , 6, 457-464		13
522	Pattern recognition in building energy performance over time using energy benchmarking data. <b>2018</b> , 221, 576-586		36
521	Building information modeling for energy retrofitting – A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 89, 249-260	16.2	78
520	Robotic data collection and simulation for evaluation of building retrofit performance. <b>2018</b> , 92, 88-102		27
519	Using artificial neural networks to assess HVAC related energy saving in retrofitted office buildings. <b>2018</b> , 163, 32-44		38
518	Cost-effectiveness of active and passive design strategies for existing building retrofits in tropical climate: Case study of a zero energy building. <b>2018</b> , 183, 35-45		72
517	Developing a decision aid for selecting low-carbon refurbishment solutions for multi-story residential buildings in subtropical cities. <i>Energy and Buildings</i> , <b>2018</b> , 158, 1724-1735	7	3
516	Energy Costs Hosting Model: The most suitable business model in the developing stage of Energy Performance Contracting. <b>2018</b> , 172, 2553-2566		7
515	Selection of optimization objectives for decision-making in building energy retrofits. <b>2018</b> , 130, 94-103		44
514	Factors affecting building services coordination during the design development and review stages. <b>2018</b> , 8, 64-77		1

513	Optimising energy use in an existing commercial building: a case study of Australia's Reef HQ Aquarium. <b>2018</b> , 11, 147-168		3
512	Evolutionary many-objective optimization for retrofit planning in public buildings: A comparative study. <b>2018</b> , 190, 403-410		21
511	A comprehensive study on green roof performance for retrofitting existing buildings. <b>2018</b> , 136, 227-239		85
510	Energy-efficiency building retrofit planning for green building compliance. <b>2018</b> , 136, 312-321		44
509	German and Norwegian policy approach to residential buildings' energy efficiency' comparative assessment. <b>2018</b> , 11, 1375-1395		15
508	A socio-mathematical approach to exploring conflicts between energy retrofit and perceived heritage character. <b>2018</b> , 138, 11-20		5
507	Teardown Index: Impact of property values on carbon dioxide emissions of single family housing in Vancouver. <i>Energy and Buildings</i> , <b>2018</b> , 170, 95-106	7	5
506	Dynamic energy assessment to analyze different refurbishment strategies of existing dwellings placed in Madrid. <b>2018</b> , 152, 1011-1023		13
505	Integrating a thermal model of ground source heat pumps and solar regeneration within building energy system optimization. <b>2018</b> , 218, 78-94		26
504	Hybrid systems adoption for lowering historic buildings PFEC (primary fossil energy consumption) - A comparative energy analysis. <b>2018</b> , 117, 414-433		23
503	Conceptual framework for introducing incentive-based demand response programs for retail electricity markets. <b>2018</b> , 19, 44-62		24
502	Optimisation analysis of PCM-enhanced opaque building envelope components for the energy retrofit of office buildings in Mediterranean climates. <b>2018</b> , 211, 929-953		55
501	Quantifying the benefits of a building retrofit using an integrated system approach: A case study. <i>Energy and Buildings</i> , <b>2018</b> , 159, 332-345	7	19
500	Aerogel-enhanced systems for building energy retrofits: Insights from a case study. <i>Energy and Buildings</i> , <b>2018</b> , 159, 370-381	7	62
499	A research agenda for the retrofitting of residential buildings in China [A case study]. <b>2018</b> , 113, 41-51		26
498	Determining key variables influencing energy consumption in office buildings through cluster analysis of pre- and post-retrofit building data. <i>Energy and Buildings</i> , <b>2018</b> , 159, 228-245	7	60
497	Guidelines, barriers and strategies for energy and water retrofits of public buildings. <b>2018</b> , 174, 1064-1078		38
496	CO2 based ventilation control in energy retrofit: An experimental assessment. <b>2018</b> , 143, 606-614		30



495	Sustainable Building Renovation: Proposals for a Research Agenda. <b>2018</b> , 10, 4677		11
494	Building Integrated Shading and Building Applied Photovoltaic System Assessment in the Energy Performance and Thermal Comfort of Office Buildings. <b>2018</b> , 10, 4670		14
493	A systematic decision process for the determination of most suitable retrofit measure(s) in a Building Energy Efficiency Retrofits (BEER) Project. <b>2018</b> ,		0
492	A Review on Building Energy Efficiency Techniques. <b>2018</b> , 7, 35		4
491	Development and characterization of a system for the seismic and energy retrofit of existing buildings. <b>2018</b> , 11, 347-354		7
490	Optimization of Performance Parameter Design and Energy Use Prediction for Nearly Zero Energy Buildings. <i>Energies</i> , <b>2018</b> , 11, 3252	3.1	10
489	Strengths and Weaknesses of Existing Building Green Retrofits: Case Study of a LEED EBOM Gold Project. <i>Energies</i> , <b>2018</b> , 11, 1936	3.1	15
488	Delivering value for money with BIM-embedded housing refurbishment. <b>2018</b> , 36, 657-675		6
487	Sustainable Technologies as Determinants of Energy Efficient Upgrade of Existing Buildings. <b>2018</b> ,		1
486	Machine learning for estimation of building energy consumption and performance: a review. <b>2018</b> , 6,		114
485	A proposed framework to investigate effective BIM adoption for refurbishment of building projects. <b>2018</b> , 61, 467-479		18
484	Proposing a Conceptual Decision Support System for Building Energy Retrofits Considering Sustainable Triple Bottom Line Criteria. <b>2018</b> ,		3
483	An integrated performance based solution approach for commercial buildings energy modeling and energy savings: Case study of a retail building in Bangladesh. <b>2018</b> ,		
482	A risk-responsive framework for green retrofit projects in Sri Lanka. <b>2018</b> , 8, 477-490		4
481	Qualitative analysis of the use of building performance simulation for retrofitting lower quality office buildings in Australia. <i>Energy and Buildings</i> , <b>2018</b> , 181, 84-94	7	6
480	Life cycle option appraisal in retrofit buildings. <i>Energy and Buildings</i> , <b>2018</b> , 178, 279-293	7	20
479	Reducing Seismic Vulnerability and Energy Demand of Cities through Green Infrastructure. <b>2018</b> , 10, 2591		10
478	Review of district-scale energy performance analysis: Outlooks towards holistic urban frameworks. <b>2018</b> , 41, 252-264		23

477	A systems simulation framework to realize net-zero building energy retrofits. <b>2018</b> , 41, 405-420		22
476	Quantitative evaluation of deep retrofitted social housing using metered gas data. <i>Energy and Buildings</i> , <b>2018</b> , 170, 242-256	7	7
475	Literature review on renovation of multifamily buildings in temperate climate conditions. <i>Energy and Buildings</i> , <b>2018</b> , 172, 414-431	7	25
474	Criteria weighting for green technology selection as part of retrofit decision making process for existing non-domestic buildings. <b>2018</b> , 41, 625-638		13
473	A Review of Internet of Energy Based Building Energy Management Systems: Issues and Recommendations. <b>2018</b> , 6, 38997-39014		95
472	Optimizing the insulation thickness of walls and roofs of existing buildings based on primary energy consumption, global cost and pollutant emissions. <b>2018</b> , 159, 1132-1147		43
471	Cradle-to-grave life-cycle assessment within the built environment: Comparison between the refurbishment and the complete reconstruction of an office building in Belgium. <b>2018</b> , 224, 396-405		30
470	Housing information modelling for BIM-embedded housing refurbishment. <b>2018</b> , 16, 299-314		6
469	A validated low carbon office building intervention model based on structural equation modelling. <b>2018</b> , 200, 478-489		12
468	A Methodology for Integrated Refurbishment Actions in School Buildings. <i>Buildings</i> , <b>2018</b> , 8, 42	3.2	3
467	Energy Benchmarking in Educational Buildings through Cluster Analysis of Energy Retrofitting. <i>Energies</i> , <b>2018</b> , 11, 649	3.1	26
466	SWOT Analysis for the Promotion of Energy Efficiency in Rural Buildings: A Case Study of China. <i>Energies</i> , <b>2018</b> , 11, 851	3.1	15
465	Building With the Systems Vs. Building In the System of IMS Open Technology of Prefabricated Construction: Challenges for New Industry for Massive Housing Retrofitting. <i>Energies</i> , <b>2018</b> , 11, 1128	3.1	6
464	10 questions concerning sustainable building renovation. <b>2018</b> , 143, 130-137		51
463	Interactions between restoration and financial analysis: the case of Cuneo War Wounded House. <b>2018</b> , 8, 145-161		12
462	Green retrofit of aged residential buildings in Hong Kong: A preliminary study. <b>2018</b> , 143, 89-98		44
461	Seismic and Energy Renovation Measures for Sustainable Cities: A Critical Analysis of the Italian Scenario. <b>2018</b> , 10, 254		30
460	Seismic and Energy Renovation: A Review of the Code Requirements and Solutions in Italy and Romania. <b>2018</b> , 10, 1561		7

459	Multiple Criteria Assessment of Insulating Materials with a Group Decision Framework Incorporating Outranking Preference Model and Characteristic Class Profiles. <b>2018</b> , 27, 33-59		20
458	Integration of renewable technologies in historical and heritage buildings: A review. <i>Energy and Buildings</i> , <b>2018</b> , 177, 96-111	7	59
457	Complex assessment of reconstruction works on an institutional building: A case study. <b>2018</b> , 202, 871-882		6
456	BIM for Existing Buildings: Potential Opportunities and Barriers. <b>2018</b> , 371, 012051		11
455	The role of areal heat capacity and decrement factor in case of hyper insulated buildings: An experimental study. <i>Energy and Buildings</i> , <b>2018</b> , 176, 310-324	7	16
454	Review of Green Retrofit Technologies and Policies for Aged Residential Buildings in Hong Kong. <b>2018</b> ,		1
453	Building retrofit optimization models using notch test data considering energy performance certificate compliance. <b>2018</b> , 228, 2140-2152		20
452	Performing quantitative analyses towards sustainable business models in building energy renovation projects: Analytic process and case study. <b>2018</b> , 199, 1092-1106		16
451	A bibliometric review of green building research 2000-2016. <b>2019</b> , 62, 74-88		115
450	Optimal insulation thickness in historic buildings with a heat pump as an energy source. <b>2019</b> , 214, 012043		1
449	Developing a model for energy retrofit in large building portfolios: Energy assessment, optimization and uncertainty. <i>Energy and Buildings</i> , <b>2019</b> , 202, 109356	7	29
448	A generalization approach for reduced order modelling of commercial buildings. <b>2019</b> , 12, 729-744		3
447	Diffusion of energy efficiency technologies in European residential buildings: A bibliometric analysis. <i>Energy and Buildings</i> , <b>2019</b> , 202, 109339	7	29
446	Decision-making method for building energy efficiency retrofit measures based on an improved analytic hierarchy process. <b>2019</b> , 11, 045101		1
445	Barriers and Incentives for Extensive Implementation of Combined Seismic and Energy Efficiency Retrofits. <b>2019</b> , 222, 012018		
444	Decision matrix methodology for retrofitting techniques of existing buildings. <b>2019</b> , 240, 118153		14
443	Energy Audit, Retrofitting and Solarization in Educational Institutes of Pakistan: An Effective Approach Towards Energy Conservation. <b>2019</b> ,		0
442	Potential for retrofitting a federal building in the UAE to net zero electricity building (nZEB). <b>2019</b> , 5, e01971		10

441	Assessing evidence-based single-step and staged deep retrofit towards nearly zero-energy buildings (nZEB) using multi-objective optimisation. <b>2019</b> , 12, 1891-1920			10
440	Factor analysis on variables effecting energy consumption for retrofitting initiative at highway rest and service areas Malaysia. <b>2019</b> ,			
439	Renovation of Public Buildings towards nZEB: A Case Study of a Nursing Home. <i>Buildings</i> , <b>2019</b> , 9, 153	3.2		12
438	Combined Environmental and Economic Assessment of Energy Efficiency Measures in a Multi-Dwelling Building. <i>Energies</i> , <b>2019</b> , 12, 2484		3.1	5
437	Building Envelope Thermal Upgrade for School Buildings in Jordan. <b>2019</b> , 290, 012068			2
436	Towards a model for circular renovation of the existing building stock: a preliminary study on the potential for CO2 reduction of bio-based insulation materials. <b>2019</b> , 323, 012176			1
435	Energy transition and technical energy regulations in the building sector. <b>2019</b> , 323, 012181			
434	Energy and economical evaluation of residential buildings in Slovakia. <b>2019</b> , 111, 03011			
433	The influence of building material, windows and insulators on energy saving in different climate zones in Iran. <b>2019</b> , 3, 283-289			1
432	Carbon mitigation unit costs of building retrofits and the scope for carbon tax, a case study. <i>Energy and Buildings</i> , <b>2019</b> , 203, 109415		7	7
431	Building hvac retrofitting using a pv assisted dc heat pump coupled with a pcm heat battery and optimal control algorithm. <b>2019</b> , 111, 04041			6
430	Double skin suitable for Mediterranean climate in school-gym buildings. <b>2019</b> , 111, 03001			
429	A Simulated Study of Building Integrated Photovoltaics (BIPV) as an Approach for Energy Retrofit in Buildings. <i>Energies</i> , <b>2019</b> , 12, 3946		3.1	4
428	Research on Large-Scale Building Energy Efficiency Retrofit Based on Energy Consumption Investigation and Energy-Saving Potential Analysis. <b>2019</b> , 145, 04019024			6
427	Development and Application of Evaluation Index System and Model for Existing Building Green-Retrofitting. <b>2019</b> , 28, 1252-1261			4
426	A Life-Cycle Approach to Building Energy Retrofitting: Bio-Based Technologies for Sustainable Urban Regeneration. <b>2019</b> , 290, 012057			1
425	A Review on Energy Performance in Malaysian Universities Through Building Information Modelling (BIM) Adaptation. <b>2019</b> , 291, 012033			1
424	Decision Support for existing buildings: an LCC-based proposal for facade retrofitting technological choices. <b>2019</b> , 296, 012032			3

423	Low-rise Office Retrofit: Prerequisite for Sustainable and Green Buildings in Shanghai. <b>2019</b> , 281, 012025		3
422	Analysis of chiller performance using expeditious indirect methods. <b>2019</b> ,		
421	Design of the Refurbishment of Historic Buildings with a Cost-Optimal Methodology: A Case Study. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3104	2.6	6
420	Economic parameters in the evaluation studies focusing on building energy efficiency: a review of the underlying rationale, data sources, and assumptions. <b>2019</b> , 157, 180-192		8
419	Database of energy, environmental and economic indicators of renovation packages for European residential buildings. <i>Energy and Buildings</i> , <b>2019</b> , 203, 109427	7	12
418	. <b>2019</b> ,		4
417	Planning and operation of an integrated energy system in a Swedish building. <b>2019</b> , 199, 111920		19
416	A techno-economic-risk decision-making methodology for large-scale building energy efficiency retrofit using Monte Carlo simulation. <b>2019</b> , 189, 116169		13
415	Factors Influencing Residents' Intention toward Green Retrofitting of Existing Residential Buildings. <b>2019</b> , 11, 4246		12
414	Autonomic Management Architecture for Multi-HVAC Systems in Smart Buildings. <b>2019</b> , 7, 123402-123415		16
413	Building Energy Retrofit Measures in Hot-Summer/Cold-Winter Climates: A Case Study in Shanghai. <i>Energies</i> , <b>2019</b> , 12, 3393	3.1	7
412	Thermal and mechanical optimization of nano-foams for sprayed insulation. <b>2019</b> , 201, 828-841		4
411	Energy simulation and LCA for macro-scale analysis of eco-innovations in the housing stock. <b>2019</b> , 24, 989-1008		28
410	Thermal comfort prediction in a building category: Artificial neural network generation from calibrated models for a social housing stock in southern Europe. <b>2019</b> , 150, 492-505		36
409	BIM-Enabled Sustainable Housing Refurbishment—LCA Case Study. <b>2019</b> , 349-394		3
408	Game-theory-based analysis of Energy Performance Contracting for building retrofits. <b>2019</b> , 231, 1089-1099		16
407	Energy consumption, indoor thermal comfort and air quality in a commercial office with retrofitted heat, ventilation and air conditioning (HVAC) system. <i>Energy and Buildings</i> , <b>2019</b> , 201, 202-215	7	60
406	Optimizing the energy consumption in a residential building at different climate zones: Towards sustainable decision making. <b>2019</b> , 233, 634-649		20

405	Advanced Studies in Energy Efficiency and Built Environment for Developing Countries. <b>2019</b> ,			1
404	Incentives for green retrofits: An evolutionary game analysis on Public-Private-Partnership reconstruction of buildings. <b>2019</b> , 232, 1076-1092			38
403	Demand-side energy retrofit potential in existing office buildings. <b>2019</b> , 9, 426-439			3
402	Multi-criteria comprehensive study on predictive algorithm of hourly heating energy consumption for residential buildings. <b>2019</b> , 49, 101623			40
401	Attaining sustainability in built environment: Review of green retrofit measures for existing buildings. <b>2019</b> , 227, 042051			5
400	Case-based reasoning approach for supporting building green retrofit decisions. <b>2019</b> , 160, 106210			19
399	Envelope retrofitting strategies for public school buildings in Jordan. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100819	5.2		15
398	Development of a multi-objective optimization model for determining the optimal CO2 emissions reduction strategies for a multi-family housing complex. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 110, 118-131	16.2		15
397	Innovative Policy Schemes to Promote Renovation of Multi-Flat Residential Buildings and Address the Problems of Energy Poverty of Aging Societies in Former Socialist Countries. <b>2019</b> , 11, 2015			9
396	The Effect of Ventilation Strategies on Indoor Air Quality and Energy Consumptions in Classrooms. <i>Buildings</i> , <b>2019</b> , 9, 110	3.2		21
395	Cost-Effective Options for the Renovation of an Existing Education Building toward the Nearly Net-Zero Energy Goal—Life-Cycle Cost Analysis. <b>2019</b> , 11, 2444			8
394	Developing surrogate ANN for selecting near-optimal building energy renovation methods considering energy consumption, LCC and LCA. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100790	5.2		45
393	Suspect foundations: Developing an understanding of climate-related stranded assets in the global real estate sector. <b>2019</b> , 54, 60-67			10
392	Energy Performance Assessment According to Data Acquisition Levels of Existing Buildings. <i>Energies</i> , <b>2019</b> , 12, 1149	3.1		10
391	Outsourcing energy retrofitting of hotel buildings: the decision-making process. <b>2019</b> , 266, 01016			1
390	Life-cycle assessment of timber frame constructions —The case of rooftop extensions. <b>2019</b> , 216, 333-345			10
389	Structural and thermal retrofitting of masonry walls: An integrated cost-analysis approach for the Italian context. <b>2019</b> , 155, 127-136			23
388	Adaptability in envelope energy retrofits through addition of intelligence features. <b>2019</b> , 62, 216-229			8

387	Household inclusion in the governance of housing retrofitting: Analysing Chinese and Dutch systems of energy retrofit provision. <b>2019</b> , 53, 10-22		7
386	Laboratory characterization of brick walls rendered with a pervious lime-cement mortar. <i>Journal of Building Engineering</i> , <b>2019</b> , 23, 241-249	5.2	6
385	Rethinking HVAC temperature setpoints in commercial buildings: The potential for zero-cost energy savings and comfort improvement in different climates. <b>2019</b> , 155, 350-359		57
384	On quantifying building performance adaptability to variable occupancy. <b>2019</b> , 155, 257-267		19
383	Environmental Performance Measures to Assess Building Refurbishment from a Life Cycle Perspective. <i>Energies</i> , <b>2019</b> , 12, 299	3.1	10
382	What Can Policy-Makers Do to Increase the Effectiveness of Building Renovation Subsidies?. <b>2019</b> , 7, 28		2
381	Information needs for progressive BIM methodology supporting the holistic energy renovation of office buildings. <b>2019</b> , 173, 317-331		6
380	Field assessment of thermal comfort conditions and energy performance of social housing: The case of hot summers in the Mediterranean climate. <b>2019</b> , 128, 377-392		21
379	Benefits of greening existing buildings. <b>2019</b> , 615, 012033		1
378	The effective outsourcing of building retrofitting: key decisions and motivators. <b>2019</b> , 17, 371-384		
377	A sustainable procurement approach for selection of construction consultants in property and facilities management. <b>2019</b> , 38, 98-113		3
376	User-focused office renovation: a review into user satisfaction and the potential for improvement. <b>2019</b> , 37, 470-489		4
375	Assessing determinants of sustainable upgrade of existing buildings. <b>2019</b> , 18, 270-292		1
374	Case Study of Thermal Diagnostics of Single-Family House in Temperate Climate. <i>Energies</i> , <b>2019</b> , 12, 4549.1		5
373	Barriers to retrofitting buildings for energy efficiency in South Africa. <b>2019</b> , 640, 012015		
372	Recognizing of Building Components to Achieve Green Performance for Renovation and Retrofitting Works. <b>2019</b> , 353, 012017		
371	An exploration about the Solar Energy Utilization and the Enclosure System Renovation for Rural Residential Buildings in Cold Areas of Northern China Taking the rural residential renovation design in Zhujialin Village, Linyi as an example. <b>2019</b> , 136, 02031		
370	Portfolio energy analysis and condition assessment: case study of public schools of the Lugano municipality. <b>2019</b> , 1343, 012131		1

369	Achieving Energy Efficient Building through Energy Performance Analysis of Building Envelope in Student Housing. <b>2019</b> , 1378, 042023		2
368	A Conceptual Framework to Understand Households' Energy Consumption. <i>Energies</i> , <b>2019</b> , 12, 4250	3.1	13
367	Indoor Air Quality Assessment: Comparison of Ventilation Scenarios for Retrofitting Classrooms in a Hot Climate. <i>Energies</i> , <b>2019</b> , 12, 4607	3.1	5
366	Decision Making in Near Zero Energy Building Refurbishment: A Technology Alternatives Ranking Tool. <b>2019</b> , 52, 313-318		2
365	An Integrated Energy and Environmental Audit Process for Historic Buildings. <i>Energies</i> , <b>2019</b> , 12, 3940	3.1	16
364	A combined scientometric and conventional literature review to grasp the entire BIM knowledge and its integration with energy simulation. <i>Journal of Building Engineering</i> , <b>2019</b> , 22, 513-527	5.2	28
363	A screening methodology for building multiple energy retrofit measures package considering economic and risk aspects. <b>2019</b> , 208, 1587-1602		27
362	Energy Efficiency in Building Renovation. <b>2019</b> , 675-810		0
361	Making incentive policies more effective: An agent-based model for energy-efficiency retrofit in China. <b>2019</b> , 126, 177-189		39
360	Low-cost retrofit packages for residential buildings in hot-humid Lagos, Nigeria. <b>2019</b> , 37, 250-272		4
359	Integrating willingness analysis into investment prediction model for large scale building energy saving retrofit: Using fuzzy multiple attribute decision making method with Monte Carlo simulation. <b>2019</b> , 44, 291-309		30
358	Generalized quality control parameter for heterogenous recycled concrete aggregates: A pilot scale case study. <b>2019</b> , 208, 589-601		24
357	A review study about energy renovation of building facades with BIPV in urban environment. <b>2019</b> , 44, 343-355		62
356	Evaluation of Supply and Demand in Building Energy Performance: Application of Retrofit Scenarios in Residential Building. <b>2019</b> , 116, 60-79		2
355	Full Issue PDF Volume 116, Issue 1. <b>2019</b> , 116, 1-79		
354	Government championed strategies to overcome the barriers to public building energy efficiency retrofit projects. <b>2019</b> , 44, 56-69		50
353	Exploring the environmental influence on BIM adoption for refurbishment project using structural equation modelling. <b>2020</b> , 16, 41-57		5
352	Evaluating planning strategies for prioritizing projects in sustainability improvement programs. <b>2020</b> , 38, 726-738		8



351	Advances in Energy and Built Environment. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> ,	0.3	7
350	Simulation optimisation towards energy efficient green buildings: Current status and future trends. <b>2020</b> , 254, 120012		41
349	Practical Examples of Energy Optimization Models. <b>2020</b> ,		
348	A novel holistic EPC related retrofit approach for residential apartment building renovation in Norway. <b>2020</b> , 54, 101975		11
347	A case study to improve the winter thermal comfort of an existing bus station. <i>Journal of Building Engineering</i> , <b>2020</b> , 29, 101123	5.2	8
346	A bi-objective optimization approach for selection of passive energy alternatives in retrofit projects under cost uncertainty. <b>2020</b> , 1, 77-86		9
345	Retrofitting towards energy-efficient homes in European cold climates: a review. <b>2020</b> , 13, 101-125		12
344	Effects of local conditions on the multi-variable and multi-objective energy optimization of residential buildings using genetic algorithms. <b>2020</b> , 260, 114289		34
343	Innovative designs of building energy codes for building decarbonization and their implementation challenges. <b>2020</b> , 248, 119260		16
342	China's policies of building green retrofit: A state-of-the-art overview. <b>2020</b> , 169, 106554		31
341	Green Buildings and Renewable Energy. <b>2020</b> ,		2
340	Improving energy savings from a residential retrofit policy: A new model to inform better retrofit decisions. <i>Energy and Buildings</i> , <b>2020</b> , 209, 109656	7	16
339	Transdisciplinarity in energy retrofit. A Conceptual Framework. <b>2020</b> , 250, 119461		7
338	Energy performance optimization of existing buildings: A literature review. <b>2020</b> , 54, 101967		47
337	Energy Retrofit in European Building Portfolios: A Review of Five Key Aspects. <b>2020</b> , 12, 7465		15
336	Building Energy Renovation and Smart Integration of Renewables in a Social Housing Block Toward Nearly-Zero Energy Status. <b>2020</b> , 8,		2
335	Effective and scalable modelling of existing non-domestic buildings with radiator system under uncertainty. <b>2020</b> , 13, 740-759		2
334	Decision-making model for optimum energy retrofit strategies in residential buildings. <b>2020</b> , 24, 211-218		15

333	Integrated cost-analysis approach for seismic and thermal improvement of masonry building façades. <b>2020</b> , 3, 143		1
332	Environmental, Social, and Economic Benefits of Buildings Energy Retrofit Projects: A Case Study in Iran's Construction Industry. <b>2020</b> ,		0
331	Effect of The Physical Characteristics of a Dwelling on Energy Consumption and Emissions: The Case of Castellón And Valencia (Spain). <b>2020</b> , 12, 9747		3
330	Assessment and optimisation of energy consumption in building communities using an innovative co-simulation tool. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101681	5.2	5
329	Factors influencing existing medium-sized commercial building energy retrofits to achieve the net zero energy goal in the United States. <b>2020</b> , 1-18		1
328	A techno-economic optimization model of a biomass-based CCHP/heat pump system under evolving climate conditions. <b>2020</b> , 223, 113256		20
327	Skills required to deliver energy efficient school retrofit buildings. <b>2020</b> , 27, 3051-3073		1
326	An artefact for improving the delivery of building energy retrofit project in South Africa. <b>2020</b> , 10, 619-635		1
325	Involvement of stakeholders in the adoption and implementation of energy retrofits in hotel buildings. <b>2020</b> , 14, 1239-1253		1
324	Retrofit Methodology Based on Energy Simulation Modeling Applied for the Enhancement of a Historical Building in L'Aquila. <i>Energies</i> , <b>2020</b> , 13, 3289	3.1	0
323	Climate Change Mitigation Policies Targeting Households and Addressing Energy Poverty in European Union. <i>Energies</i> , <b>2020</b> , 13, 3389	3.1	30
322	Evaluation of glazing retrofitting solution for the tropics. <i>Energy and Buildings</i> , <b>2020</b> , 223, 110190	7	2
321	Environmental and economic benefits of building retrofit measures for the residential sector by utilizing sensor data and advanced calibrated models. <b>2020</b> , 1-29		4
320	Roles and functions of stakeholders in implementing energy retrofits in the hotel sector. <b>2020</b> , 38, 737-751		1
319	Optimal energy retrofit plan for conservation and sustainable use of historic campus building: Case of cultural property building. <b>2020</b> , 275, 115313		21
318	Construction of a Bayesian network model for improving the safety performance of electrical and mechanical (E&M) works in repair, maintenance, alteration and addition (RMAA) projects. <b>2020</b> , 131, 104893		13
317	Kouvola Housing fair NZEB houses energy, cost and carbon analyses. <b>2020</b> , 172, 13001		
316	Integrated Cost-Analysis Approach for Seismic and Thermal Improvement of Masonry Building Façades. <i>Buildings</i> , <b>2020</b> , 10, 143	3.2	5

315	Potential of Renewable Energy Sources usage in an energy demand of a single-family houses neighbourhood, constituting an Energy Cluster in a case study. <b>2020</b> , 172, 25004		2
314	Performance Gap and Occupant Behavior in Building Retrofit: Focus on Dynamics of Change and Continuity in the Practice of Indoor Heating. <b>2020</b> , 12, 5820		12
313	A Methodological Framework for Sustainable Office Building Renovation Using Green Building Rating Systems and Cost-Benefit Analysis. <b>2020</b> , 12, 6156		4
312	A screening method for lowering customer acquisition cost in small commercial building energy efficiency projects. <b>2020</b> , 13, 1665-1676		1
311	Sustainability in Italian Ceramic Tile Production: Evaluation of the Environmental Impact. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 9063	2.6	7
310	Indicators Framework for Sustainable Urban Design. <b>2020</b> , 11, 1143		12
309	Energy performance of existing residential buildings in Europe: A novel approach combining energy with seismic retrofitting. <i>Energy and Buildings</i> , <b>2020</b> , 223, 110024	7	53
308	A modelling framework for the diffusion of low carbon energy performance contracts. <b>2020</b> , 13, 767-788		2
307	On calculated and actual energy savings from thermal building renovations in Long term field evaluation of multifamily buildings. <i>Energy and Buildings</i> , <b>2020</b> , 223, 110145	7	14
306	A Multi-Facet Retrofit Approach to Improve Energy Efficiency of Existing Class of Single-Family Residential Buildings in Hot-Humid Climate Zones. <i>Energies</i> , <b>2020</b> , 13, 1178	3.1	4
305	Methodology to assess no-touch building audit software using simulated utility data. <b>2020</b> , 26, 873-887		1
304	Methodology for Evaluation and Development of Refurbishment Scenarios for Multi-Story Apartment Buildings, Applied to Two Buildings in Denmark and Switzerland. <i>Buildings</i> , <b>2020</b> , 10, 102	3.2	3
303	Improvement of Indoor Thermal Environments through Green Refurbishment. <b>2020</b> , 12, 4933		1
302	How do electricity pricing programs impact the selection of energy efficiency measures? A case study with U.S. Medium office buildings. <i>Energy and Buildings</i> , <b>2020</b> , 224, 110267	7	4
301	Implementing Building Information Modelling for the Reconstruction Process of Unfinished Building Projects. <b>2020</b> ,		1
300	Energy efficient solutions for retrofitting a residential multi-storey building with vacuum insulation panels and low-E windows in two European climates. <b>2020</b> , 269, 121459		10
299	A definition framework for building adaptation projects. <b>2020</b> , 63, 102345		8
298	Improving project communication in the architecture, engineering and construction industry: Coupling virtual reality and laser scanning. <i>Journal of Building Engineering</i> , <b>2020</b> , 30, 101287	5.2	15

297	Retrofitting suspended timber ground-floors; comparing aggregated and disaggregated evaluation methods. <b>2020</b> , 48, 572-586		
296	Is the tailor recommendation useful? Policy suggestions to upgrade the EPC recommendation report. <b>2020</b> , 410, 012080		
295	Energy Efficiency in Public Buildings: A Step toward the UN 2030 Agenda for Sustainable Development. <b>2020</b> , 12, 1212		8
294	Building green retrofit in China: Policies, barriers and recommendations. <b>2020</b> , 139, 111356		35
293	Quantitative approach for evaluating the building design features impact on cooling energy consumption in hot climates. <i>Energy and Buildings</i> , <b>2020</b> , 211, 109802	7	13
292	Building-level and stock-level in contrast: A literature review of the energy performance of buildings during the operational stage. <i>Energy and Buildings</i> , <b>2020</b> , 211, 109810	7	35
291	. <b>2020</b> , 8, 16111-16126		20
290	Balancing the impacts of energy efficiency strategies on comfort quality of interior places: Application of optimization algorithms in domestic housing. <i>Journal of Building Engineering</i> , <b>2020</b> , 29, 101174	5.2	4
289	Solar energy as a tool of renovating soviet-type multi apartment buildings. <b>2020</b> , 198, 93-100		8
288	Efficiency Gap Caused by the Input Data in Evaluating Energy Efficiency of Low-Income Households Energy Retrofit Program. <b>2020</b> , 12, 2774		2
287	Optimizing thermal and visual efficiency using parametric configuration of skylights in heritage buildings. <i>Journal of Building Engineering</i> , <b>2020</b> , 31, 101385	5.2	8
286	A critical review of methods for the performance evaluation of passive thermal retrofits in residential buildings. <b>2020</b> , 263, 121408		16
285	A data-driven approach to optimize urban scale energy retrofit decisions for residential buildings. <b>2020</b> , 267, 114861		36
284	Correlation between building characteristics and associated energy consumption: Prototyping low-rise office buildings in Shanghai. <i>Energy and Buildings</i> , <b>2020</b> , 217, 109959	7	15
283	Balancing Trade-offs between Deep Energy Retrofits and Heritage Conservation: A Methodology and Case Study. <b>2020</b> , 1-20		4
282	Future-proofing and monitoring capital investments needs throughout the life cycle of building projects. <b>2020</b> , 59, 102159		5
281	Examining Risk as Guideline in Design Stage for Green Retrofits Projects: A Review. <b>2020</b> , 713, 012043		3
280	A spatio-temporal life cycle assessment framework for building renovation scenarios at the urban scale. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 126, 109834	16.2	14

279	Study on the Factors Related to Energy Performance Contracting for Urban Residential Building and their Effects in the World. <b>2021</b> , 57, 631-652		1
278	Internal benchmarking of higher education buildings using the floor-area percentages of different space usages. <i>Energy and Buildings</i> , <b>2021</b> , 231, 110574	7	5
277	A cost-effective building retrofit decision-making model [Example of China] temperate and mixed climate zones. <b>2021</b> , 280, 124370		8
276	Appraisal and Valuation. <b>2021</b> ,		1
275	Evaluation of dry wall system and its features in environmental sustainability. <b>2021</b> , 278, 123290		3
274	Benefits of retrofitting school buildings in accordance to LEED v4. <i>Journal of Building Engineering</i> , <b>2021</b> , 33, 101798	5.2	6
273	Modeling and optimization of multi-energy systems in mixed-use districts: A review of existing methods and approaches. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110206	16.2	29
272	Generation of whole building renovation scenarios using variational autoencoders. <i>Energy and Buildings</i> , <b>2021</b> , 230, 110520	7	4
271	Evaluation of financial incentives for green buildings in Canadian landscape. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110199	16.2	16
270	Multivariate time series clustering and forecasting for building energy analysis: Application to weather data quality control. <i>Journal of Building Engineering</i> , <b>2021</b> , 35, 101996	5.2	2
269	A machine learning-based surrogate model to approximate optimal building retrofit solutions. <b>2021</b> , 281, 116024		11
268	Evaluation and optimization of the performance of the heating system in a nZEB educational building by monitoring and simulation. <i>Energy and Buildings</i> , <b>2021</b> , 231, 110616	7	5
267	The costs and potentials for heat savings in buildings: Refurbishment costs and heat saving cost curves for 6 countries in Europe. <i>Energy and Buildings</i> , <b>2021</b> , 231, 110454	7	7
266	Evaluating the potential energy savings of retrofitting low-rise suburban dwellings towards the Passivhaus EnerPHit standard in a hot summer/cold winter region of China. <i>Energy and Buildings</i> , <b>2021</b> , 231, 110555	7	8
265	Towards Resilience and Sustainability for Historic Buildings: A Review of Envelope Retrofit Possibilities and a Discussion on Hygric Compatibility of Thermal Insulations. <b>2021</b> , 15, 807-823		10
264	Variations of HCHO and BTX, human health risk and indoor renovation characteristics of newly renovated rental apartments in Beijing, China. 1420326X2098660		1
263	Modifying Building Energy-Saving Design Based on Field Research into Climate Features and Local Residents' Habits. <i>Energies</i> , <b>2021</b> , 14, 442	3.1	3
262	Introducing the Architectural, Urban, and Landscape Challenges of Albania. <b>2021</b> , 1-15		0

261	Energy Retrofitting in Public Housing and Fuel Poverty Reduction: CostBenefit Trade-Offs. <b>2021</b> , 539-554		
260	Evaluation of Retrofitting Strategies to Optimize Thermal Performance of Naturally Ventilated Classrooms: A simulation-Based Approach. <b>2021</b> , 917-927		1
259	Energy conservation: A case study at KIIT Bhubaneshwar. <b>2021</b> ,		
258	Multi-objective Optimisation and Building Retrofit Planning. <b>2021</b> , 31-39		1
257	Building Industry and Energy Efficiency: A Review of Three Major Issues at Stake. <b>2021</b> , 226-240		1
256	Optimization of Building Wall Using Phase Change Material (PCM) Toward Energy Performance Improvement. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 207-221	0.3	
255	Building Energy Performance Assessment Using an Easily Deployable Sensor Kit: Process, Risks, and Lessons Learned. <b>2021</b> , 6,		3
254	Application of operational-based strategic intervention model for evaluating office buildings energy efficiency performance. <b>2021</b> , 14, 1		
253	Green retrofit of existing residential buildings in China: An investigation on residents' perceptions. 0958305X2109804		
252	Integrated Performance Optimization of Higher Education Buildings Using Low-Energy Renovation Process and User Engagement. <i>Energies</i> , <b>2021</b> , 14, 1475	3.1	1
251	Mapping the energy poverty: A case study based on the energy performance certificates in the city of Bologna. <i>Energy and Buildings</i> , <b>2021</b> , 234, 110718	7	6
250	Conservation-Compatible Retrofit Solutions in Historic Buildings: An Integrated Approach. <b>2021</b> , 13, 2927		11
249	Solid wall insulation of the Victorian house stock in England: A whole life carbon perspective. <b>2021</b> , 191, 107595		3
248	A framework to implement green adaptive reuse for existing buildings in Sri Lanka. 1-25		2
247	Carbon capturing for emissions reduction at building level: A market assessment from a building management perspective. <b>2021</b> , 294, 126323		11
246	Novel Methodology toward Nearly Zero Energy Building (NZEB) Renovation: Cost-Effective Balance Approach as a Pre-Step to Cost-Optimal Life Cycle Cost Assessment. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4141	2.6	2
245	Investigating Approaches of Integrating BIM, IoT, and Facility Management for Renovating Existing Buildings: A Review. <b>2021</b> , 13, 3930		15
244	Determining the retrofit viability of Vancouver single-detached homes: an expert elicitation. <b>2021</b> , 2, 354		1

243	A methodology to support the decision-making process for energy retrofitting at district scale. <i>Energy and Buildings</i> , <b>2021</b> , 238, 110842	7	6
242	Temperature Sensing Optimization for Home Thermostat Retrofit. <b>2021</b> , 21,		1
241	New step-by-step retrofitting model for delivering optimum timing. <b>2021</b> , 290, 116714		4
240	Masonry walls retrofitted with natural fibers under tsunami loads. <b>2021</b> , 54, 1		1
239	Developing and Applying a Model for Evaluating Risks Affecting Greening Existing Buildings. <b>2021</b> , 13, 6403		1
238	Practical issues in implementing machine-learning models for building energy efficiency: Moving beyond obstacles. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 143, 110929	16.2	24
237	Wind energy and the historic environment: A business-driven symbiosis approach. 0958305X2110148		
236	A target-driven decision-making multi-layered approach for optimal building retrofits via agglomerative hierarchical clustering: A case study in China. <b>2021</b> , 197, 107849		2
235	Conceptual design of integrated seismic and energy retrofit interventions. <i>Journal of Building Engineering</i> , <b>2021</b> , 38, 102190	5.2	16
234	The impact of energy refurbishment interventions on annual energy demand, indoor thermal behaviour and temperature-related health risk. <b>2021</b> , 153, 112276		6
233	Identifying whole-building heat loss coefficient from heterogeneous sensor data: An empirical survey of gray and black box approaches. <i>Energy and Buildings</i> , <b>2021</b> , 241, 110889	7	3
232	Energy-efficient retrofitting of multi-storey residential buildings. <b>2021</b> , 39, 722-736		1
231	Current Status of Aged Public Buildings and Effect Analysis Prediction of Green Remodeling in South Korea. <b>2021</b> , 13, 6649		2
230	Identification of cost-optimal levels for energy refurbishment of a residential building stock under different scenarios: Application at the urban scale. <i>Energy and Buildings</i> , <b>2021</b> , 240, 110880	7	6
229	A fuzzy robust multi-objective optimization model for building energy retrofit considering utility function: A university building case study. <i>Energy and Buildings</i> , <b>2021</b> , 241, 110933	7	9
228	Game Analysis of the Multiagent Evolution of Existing Building Green Retrofitting from the Perspective of Green Credit. <b>2021</b> , 2021, 1-19		1
227	Residential building facade segmentation in the urban environment. <b>2021</b> , 199, 107921		8
226	A critical review of energy retrofitting trends in residential buildings with particular focus on the GCC countries. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 144, 111000	16.2	6

225	Impact of Measurement Uncertainty on Building Modeling and Retrofitting Decisions. <b>2021</b> , 7,		
224	Review of data-driven energy modelling techniques for building retrofit. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 144, 110990	16.2	24
223	An empirical study of green retrofit technologies and policies for aged residential buildings in Hong Kong. <i>Journal of Building Engineering</i> , <b>2021</b> , 39, 102271	5.2	7
222	Facilitating ESCO market development through value co-creation: role of utility sector intermediaries. <b>2021</b> , 14, 56		0
221	Using Machine Learning to Predict Retrofit Effects for a Commercial Building Portfolio. <i>Energies</i> , <b>2021</b> , 14, 4334	3.1	3
220	Integrated Seismic and Energy Retrofit Interventions on a URM Masonry Building: The Case Study of the Former Courthouse in Fabriano. <b>2021</b> , 13, 9592		2
219	Evaluating thermal performance of vertical building envelopes: Case studies in a Canadian university campus. <i>Journal of Building Engineering</i> , <b>2021</b> , 40, 102712	5.2	2
218	Greening existing buildings through Building Information Modelling: A review of the recent development. <b>2021</b> , 200, 107924		4
217	Commercial building retrofitting: Assessment of improvements in energy performance and indoor air quality. <b>2021</b> , 26, 100946		5
216	Life-cycle cost analysis for façade retrofit measures of residential buildings in Cairo. 1420326X2110402		
215	Strategies for Structural and Energy Improvement in Mid-Rise Unreinforced Masonry Apartment Buildings. A Case Study in Mestre (Northeast Italy). <b>2021</b> , 13, 8819		4
214	The Smart Evolution of Historical Cities: Integrated Innovative Solutions Supporting the Energy Transition while Respecting Cultural Heritage. <b>2021</b> , 13, 9358		1
213	A Decision Support System for Scenario Analysis in Energy Refurbishment of Residential Buildings. <i>Energies</i> , <b>2021</b> , 14, 4738	3.1	1
212	Development of a Decisional Procedure Based on Fuzzy Logic for the Energy Retrofitting of Buildings. <b>2021</b> , 13, 9318		0
211	Planning the Structure of University Teaching Staff Based on Multiobjective Optimization Method. <b>2021</b> , 2021, 1-10		2
210	Energy Monitoring in the Wild: Platform Development and Lessons Learned from a Real-World Demonstrator. <i>Energies</i> , <b>2021</b> , 14, 5786	3.1	0
209	The Use of Key Enabling Technologies in the Nearly Zero Energy Buildings Monitoring, Control and Intelligent Management. <i>Energies</i> , <b>2021</b> , 14, 5524	3.1	4
208	Building renovation at district level [Lessons learned from international case studies. <b>2021</b> , 72, 103037		3



207	Calibration of energy simulation model for three buildings in Kosovo. <b>2021</b> , 16, 120-126		
206	Coordinated energy-environmental-economic optimisation of building retrofits for optimal energy performance on a macro-scale: A life-cycle cost-based evaluation. <b>2021</b> , 243, 114327		7
205	Mapping Research Trends in Residential Construction Retrofitting: A Scientometric Literature Review. <i>Energies</i> , <b>2021</b> , 14, 6106	3.1	0
204	Methodology for energy retrofitting of Modern Architecture. The case study of the Olivetti office building in the UNESCO site of Ivrea. <i>Journal of Building Engineering</i> , <b>2021</b> , 103378	5.2	2
203	Global Air Conditioning Performance Indicator (ACPI) for buildings, in tropical climate. <b>2021</b> , 203, 108071		2
202	Life cycle thinking-based energy retrofits evaluation framework for Canadian residences: A Pareto optimization approach. <b>2021</b> , 204, 108115		7
201	Issues and challenges of implementing comprehensive renovation at aged communities: A case study of residents survey. <i>Energy and Buildings</i> , <b>2021</b> , 249, 111231	7	3
200	The correlation of energy performance and building age in UK schools. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 103141	5.2	1
199	An integrated decision-making framework for existing building retrofits based on energy simulation and cost-benefit analysis. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 103200	5.2	3
198	Key performance indicators for holistic evaluation of building retrofits: Systematic literature review and focus group study. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 102926	5.2	2
197	Research on policy strategies for implementing energy retrofits in the residential buildings. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 103161	5.2	4
196	Is investing in energy efficiency worth it? Evidence for substantial price premiums but limited profitability in the housing sector. <i>Energy and Buildings</i> , <b>2021</b> , 251, 111371	7	2
195	Comparing daylight brightness perception in real and immersive virtual environments using perceptual light maps. <b>2021</b> , 131, 103898		0
194	Identifying practical sustainable retrofit measures for existing high-rise residential buildings in various climate zones through an integrated energy-cost model. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 151, 111578	16.2	3
193	Energy performance analytics and behavior prediction during unforeseen circumstances of retrofitted buildings in the arid climate. <b>2021</b> , 7, 6182-6195		4
192	Post-evaluation on energy saving reconstruction for hotel buildings, a case study in Jiangsu, China. <i>Energy and Buildings</i> , <b>2021</b> , 251, 111316	7	4
191	Visualized literature review on sustainable building renovation. <i>Journal of Building Engineering</i> , <b>2021</b> , 44, 102622	5.2	7
190	Optimizing energy efficiency and thermal comfort in building green retrofit. <b>2021</b> , 237, 121509		23

189	Optimisation of multi-residential building retrofit, cost-optimal and net-zero emission targets. <i>Energy and Buildings</i> , <b>2021</b> , 252, 111385	7	10
188	Energy retrofit of residential building clusters. A literature review of crossover recommended measures, policies instruments and allocated funds in Spain. <i>Energy and Buildings</i> , <b>2021</b> , 252, 111409	7	8
187	Government subsidy strategy for public-private-partnership retrofit buildings in China. <i>Energy and Buildings</i> , <b>2021</b> , 252, 111455	7	1
186	Greening Existing Garment Buildings: A Case of Sri Lanka. <b>2021</b> , 75-99		
185	Energy Retrofit of Existing Building Stock in Amman: State of the Art, Obstacles and Opportunities. <b>2019</b> , 133-145		2
184	Improving the Energy Efficiency in Historic Building Stocks: Assessment of a Restoration Compatibility Score. <b>2021</b> , 1143-1154		1
183	Do Policy Incentives to Buildings Energy Retrofit Encourage Homeowners' Free-Rider Behavior?. <b>2021</b> , 105-116		2
182	Structural and Thermal Retrofitting of Masonry Walls: The Case of a School in Vittoria (RG). <b>2020</b> , 309-320		1
181	Implementation Analysis and Design for Energy Efficient Intervention on Heritage Buildings. <b>2016</b> , 91-103		4
180	A Green District to Save the Planet. <b>2018</b> , 255-269		21
179	Prioritization of Energy Retrofit Strategies in Public Housing: An AHP Model. <b>2019</b> , 534-541		7
178	Influence of Different Temperature Control Patterns Through TRV on District Heating Loads. <b>2014</b> , 251-258		2
177	Identifying Deterrents to Greening Existing Buildings. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 69-86	0.3	1
176	A variation focused cluster analysis strategy to identify typical daily heating load profiles of higher education buildings. <b>2017</b> , 134, 90-102		49
175	Hygrothermal and energy retrofit planning of masonry façade historic building used as museum and office: A cultural properties case study. <b>2020</b> , 201, 117607		14
174	Improving the performance profile of energy conservation measures at the Penn State University Park Campus. <b>2017</b> , 24, 610-628		2
173	Comparing Gray Box Methods to Derive Building Properties from Smart Thermostat Data. <b>2019</b> ,		4
172	Optimal thickness of various insulation materials for different temperature conditions and heat sources in terms of economic aspect. <b>2018</b> , 41, 377-393		9

171	Study of Hygrothermal Processes in External Walls with Internal Insulation. <b>2018</b> , 22, 22-41		11
170	A CASE STUDY ON THE IMPACT OF BUILDING ENVELOPE ON ENERGY EFFICIENCY IN HIGH-RISE RESIDENTIAL BUILDINGS. <b>2020</b> , 13, 5-18		3
169	Impact of Heating Control Strategy and Occupant Behavior on the Energy Consumption in a Building with Natural Ventilation in Poland. <i>Energies</i> , <b>2019</b> , 12, 4304	3.1	5
168	ESTIMATING NORMAL DURATION OF RENOVATION FOR MULTISTORY APARTMENT BUILDING CONSIDERING EXTENSION-TYPE RENOVATION PROJECTS. <b>2019</b> , 25, 156-167		2
167	DEFINING AND DEVELOPING AN ENERGY RETROFITTING APPROACH. <b>2014</b> , 9, 151-162		7
166	SUSTAINABLE IMPACT OF BUILDING ENERGY RETROFIT MEASURES. <b>2017</b> , 12, 69-84		3
165	IMPACT OF RETROFITTING ENERGY-EFFICIENT DESIGN STRATEGIES ON ENERGY USE OF EXISTING COMMERCIAL BUILDINGS: COMPARATIVE STUDY OF LOW-IMPACT AND DEEP RETROFIT STRATEGIES. <b>2017</b> , 12, 70-88		2
164	Evaluating Insulation, Glazing and Airtightness Options for Passivhaus EnerPHit Retrofitting of a Dwelling in China – Hot Summer/Cold Winter Climate Region. <i>Energies</i> , <b>2021</b> , 14, 6950	3.1	0
163	Determinants of Green Regeneration of Industrial Brownfield under Ecological Security Constraints: Model and Empirical Analysis Based on Grounded Theory. <b>2021</b> , 13, 11396		1
162	Low-Invasive CO <sub>2</sub> -Based Visual Alerting Systems to Manage Natural Ventilation and Improve IAQ in Historic School Buildings. <b>2021</b> , 4, 3442-3468		2
161	Downcycling and Upcycling in Rehabilitation and Adaptive Reuse of Pre-Existing Buildings: Re-Designing Technological Performances in an Environmental Perspective. <i>Energies</i> , <b>2021</b> , 14, 6863	3.1	3
160	A sociotechnical approach to users' heritage values and decision-making processes for energy efficiency and thermal comfort in heritage buildings: A pilot study in Mexico City. <b>2021</b> , 863, 012031		1
159	Pastatū atnaujinimo daugiatislis vertinimas. <b>2013</b> ,		1
158	Modelling the Occupant Behaviour Impact on Buildings Energy Prediction. <b>2013</b> , 119-141		
157	A Toolkit Towards Performance Based Green Retrofit of HVAC Systems: Literature Review and Research Proposal. <b>2015</b> , 1743-1752		
156	A Robust Model to Enhance Organisation Boardrooms' Decision-Making Process Towards a Low Carbon Economy. <b>2015</b> , 3-24		
155	Analysis of Factors Influencing the Performance of HVAC Retrofits. <b>2015</b> , 205-217		
154	Retrofit de la construcción mediante paneles prefabricados: una reseña del estado del arte = Building Retrofit through prefabricated panels: an overview on the state of the art.. <b>2015</b> , 1, 41		

- 153 Economic Potentials of Energy-Efficient Residential Building Envelope Retrofitting in Turkey. **2016**, 340-367
- 152 The Framework of Urban Built Environments. **2016**, 1-63 0
- 151 Development of a Profiling System for Energy Performance Assessment of Existing Buildings. **2016**, 32, 77-87 1
- 150 Economic assessment of energy efficiency investments in dwellings = Evaluaci3n econ3mica de inversiones de eficiencia energ3tica en viviendas. **2017**, 1, 36 1
- 149 Assessment of Energy Efficiency for Retrofit Versus Reconstruction Projects by Building Information Modeling. **2018**, 311-319
- 148 Improving the Design of Energy-Efficient Building Retrofitting. **2018**, 165-185
- 147 Analysis of Greenremodeling Demonstration according to Greenremodeling Certification Criteria for Existing Non-residential Buildings Focusing on the H Public Office. **2018**, 18, 81-88
- 146 Performance energ3tica de una vivienda social en Argentina y su rehabilitaci3n basada en simulaci3n t3rmica. **2018**, 18, 215-235 0
- 145 Semantic Enrichment of As-is BIMs for Building Energy Simulation. **2019**, 733-740
- 144 Economic Potentials of Energy-Efficient Residential Building Envelope Retrofitting in Turkey. **2019**, 728-755
- 143 Old and Innovative Materials Towards a Compatible Conservation 2019, 170-195 2
- 142 Transparent Envelope. **2019**, 1-53 1
- 141 Building Information Modeling for Energy Retrofitting. **2019**, 176-194 1
- 140 Sostenibilit3e interventi sul patrimonio storico: approcci a confronto. **2019**, 146-156 1
- 139 LOW-COST AND NON-INVASIVE ENERGY RECOVERY TECHNIQUES FOR PUBLIC RESIDENTIAL BUILDINGS MADE WITH GREAT PANEL STRUCTURES IN ITALY. **2019**, 14, 23-46
- 138 Using Case Study Design to Investigate the Delivery of Building Energy Retrofit Projects. **2020**, 485-496
- 137 Software solution to design energy-efficient retrofitting projects at district scale. **2019**, 172, 106-125 0
- 136 Initial investigations into using an ensemble of deep neural networks for building facade image semantic segmentation. **2019**,

135	Energy Retrofit Cost-Optimal Design Solutions in Social Housing: The Case of Three Tower Buildings of the 1980s. <b>2020</b> , 221-235		1
134	A simulation-based multi-objective optimization framework for economic analysis of building energy retrofit: A case study in Iran. <i>Journal of Building Engineering</i> , <b>2021</b> , 103485	5.2	8
133	Modernizuojam visuomenini pastatų energijos vartojimo efektyvumo didinimas taikant darnius projektavimo metodus. <b>2020</b> ,		
132	Energy performance optimization of traditional housing in Mediterranean climate. <i>Journal of Building Engineering</i> , <b>2022</b> , 45, 103423	5.2	2
131	Combining Conservation and Visitors' Fruition for Sustainable Building Heritage Use: Application to a Hypogeum. <b>2020</b> , 269-279		1
130	Characterization of sandstones of eastern Slovakia. <b>2019</b> , 14, 19-30		0
129	Cost Benefit Opportunity for End Use Segment Using Lighting Retrofit at Taylor University. <b>2020</b> , 53-64		
128	A South African Experience of Building Energy Retrofit Project Challenges and Solutions. <b>2020</b> , 411-422		
127	Teardown Index. <b>2020</b> , 64-101		
126	EVALUATION OF SELECTED DYNAMIC MODELS IN COMPARISON WITH HOT BOX TEST RESULTS FOR MEASUREMENT OF BUILDING ENVELOPE THERMAL PROPERTIES. <b>2020</b> , 15, 29-43		
125	Key Performance Indicators for Evaluation of Commercial Building Retrofits: Shortlisting via an Industry Survey. <i>Energies</i> , <b>2021</b> , 14, 7327	3.1	1
124	A Methodology for the Digitalization of the Residential Building Renovation Process through OpenBIM-Based Workflows. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10429	2.6	0
123	Improved sustainability certification systems to respond to building renovation challenges based on a literature review. <i>Journal of Building Engineering</i> , <b>2021</b> , 103575	5.2	3
122	Risk in Green Retrofits Projects: A Preliminary Study on Energy Efficiency. <b>2020</b> , 549, 012084		
121	Business Development in Small Commercial Building Energy Retrofit Projects A Review on Current Industry Practices. <b>2020</b> ,		
120	BIM-based retrofit method (RBIM) for building envelope thermal performance optimization. <i>Energy and Buildings</i> , <b>2022</b> , 256, 111693	7	2
119	Fighting energy poverty in a typical Peruvian rural house. <b>2021</b> , 2042, 012158		
118	Low-cost smart solutions for daylight and electric lighting integration in historical buildings. <b>2021</b> , 2069, 012157		1

117	Multi-Criteria Decision-Making Method for Sustainable Energy-Saving Retrofit Façade Solutions. <b>2021</b> , 13, 13168		1
116	Renovation Process Challenges and Barriers. <b>2021</b> , 11, 6		
115	Prospects of Transforming Conventional Commercial Buildings to Net Zero Energy Building □ Balancing the Economic Aspects with Energy Patterns. <b>2021</b> , 25, 990-1002		
114	Multi-Criteria Decision Making Optimisation Framework for Positive Energy Blocks for Cities. <b>2022</b> , 14, 446		3
113	Improving comfort conditions as an energy upgrade tool for housing stock: Analysis of a house prototype. <b>2022</b> , 66, 209-221		0
112	Energy-saving potential prediction models for large-scale building: A state-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 156, 111992	16.2	4
111	A method for energy consumption optimization of air conditioning systems based on load prediction and energy flexibility. <b>2022</b> , 243, 123111		1
110	A review on buildings energy information: Trends, end-uses, fuels and drivers. <b>2022</b> , 8, 626-637		16
109	Industrialized renovation of the building envelope: realizing the potential to decarbonize the European building stock. <b>2022</b> , 257-283		1
108	Decision-Making Processes of Residents in Preservation, Thermal Comfort, and Energy Efficiency in Heritage Buildings: A Pilot Study in Mexico City. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 1486	2.6	1
107	Life cycle energy analysis of a green building in Vietnam. <b>2022</b> , 1212, 012004		
106	Different alternative retrofit to improving the sustainability of building in tropical climate: multi-criteria decision-making.. <b>2022</b> , 1		0
105	Optimal retrofit solutions considering thermal comfort and intervention costs for the Mediterranean social housing stock. <i>Energy and Buildings</i> , <b>2022</b> , 259, 111915	7	4
104	Multistage Optimization toward a Nearly Net Zero Energy Building Due to Climate Change. <i>Energies</i> , <b>2022</b> , 15, 983	3.1	5
103	Assessing and Monitoring of Building Performance by Diverse Methods. <b>2022</b> , 14, 1242		0
102	Transforming a Historic Public Office Building in the Centre of Rome into nZEB: Limits and Potentials. <i>Energies</i> , <b>2022</b> , 15, 697	3.1	1
101	Economic Evaluation of Energy-Saving Retrofit of Existing Hotels. <i>Energies</i> , <b>2022</b> , 15, 757	3.1	0
100	Radiant Conditioning Retrofitting for Residential Buildings. <i>Energies</i> , <b>2022</b> , 15, 449	3.1	1

99	An Assessment of the Key Performance Indicators (KPIs) of Energy Efficient Retrofits to Existing Residential Buildings. <i>Energies</i> , <b>2022</b> , 15, 334	3.1	3
98	Sustainability of Heating, Ventilation and Air-Conditioning (HVAC) Systems in Buildings-An Overview.. <b>2022</b> , 19,		5
97	A novel BIM-based process workflow for building retrofit. <i>Journal of Building Engineering</i> , <b>2022</b> , 50, 104163	3.1	1
96	The valuation of buildings energy retrofiting: A multiple-criteria approach to reconcile cost-benefit trade-offs and energy savings. <b>2022</b> , 310, 118431		1
95	Decision Support System for technology selection based on multi-criteria ranking: Application to NZEB refurbishment. <b>2022</b> , 212, 108786		0
94	Implementing energy retrofits in existing hotel buildings using in-house teams: the decision-making process. <b>2022</b> , ahead-of-print,		0
93	Introductory Review of Energy Efficiency in Buildings Retrofits. <i>Energies</i> , <b>2021</b> , 14, 8100	3.1	1
92	Mathematical Modeling and Simulation Validation in Optimizing Multi-objective Energy Systems Performance. <b>2021</b> , 1-22		
91	Enhancing Higher Education Buildings Performance Through Energy Audit and Retrofitting: Climate Action to Mitigate CO2 Emissions and Attain SDGs. <b>2022</b> , 533-559		
90	Sustainable Development of Higher Education Institutions [An Analytical Study for SD Projects] Retrofitting of Selected Global Universities[Buildings. <b>2022</b> , 803-816		
89	Building Archetype Characterization Using K-Means Clustering in Urban Building Energy Models. <b>2022</b> , 222-236		
88	Standard Energy Renovation at the Urban Scale in the Moroccan Context. <b>2022</b> , 53-72		0
87	Current Practice and Potential Associated with Timber-Based Solutions for Buildings Retrofitting. <b>2022</b> , 7, 25		
86	Toward ZEB: A Mathematical Programming-, Simulation-, and AHP-Based Comprehensive Framework for Building Retrofitting. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2241	2.6	0
85	A Multiobjective Optimization Approach for Retrofitting Decision-Making towards Achieving Net-Zero Energy Districts: A Numerical Case Study in a Tropical Climate. <b>2022</b> , 5, 405-432		1
84	A novel Energy-Flow based Ensemble Calibration model for rapid and accurate energy-economic performance prediction of deep energy retrofit in single-family houses. <b>2022</b> , 258, 115507		0
83	Equitable decarbonization of heat supply in residential multi-apartment rental buildings: Optimal subsidy allocation between the property owner and tenants. <i>Energy and Buildings</i> , <b>2022</b> , 262, 112013	7	2
82	Hygrothermal behavior of post-retrofit housing: A review of the impacts of the energy efficiency upgrade strategies. <i>Energy and Buildings</i> , <b>2022</b> , 262, 112001	7	0

81	Evolutionary Game Analysis of Green Loans Program to Achieve the National Carbon Emissions Reduction Target in South Korea. <b>2022</b> , 38,		4
80	MANGOret: An optimization framework for the long-term investment planning of building multi-energy system and envelope retrofits. <b>2022</b> , 314, 118901		0
79	Effect of Depositions on PV Panel with proposal of a self cleaning system. <b>2021</b> ,		
78	Impact of measured data frequency on commercial building energy model calibration for retrofit analysis. 1-17		0
77	Creating space and time for innovation - a methodology for building adaptation design appraisal using physics-based simulation tools and interactive multi-objective optimization. <b>2021</b> , ahead-of-print,		
76	Energy Retrofit. A Case Study Banti Romano Dormitory on the Palermo University. <b>2021</b> , 13, 13524		2
75	Mitigation of climate change in Mediterranean existing social dwellings through numerical optimization of building stock models. <i>Energy and Buildings</i> , <b>2022</b> , 112109	7	0
74	Energy-saving potential of deeply retrofiting building enclosures of traditional courtyard houses □ A case study in the Chinese Hot-Summer-Cold-Winter zone. <b>2022</b> , 109106		4
73	A life cycle thinking centered methodology for energy retrofit evaluation. 1-15		
72	Data-driven decision support system for building stocks energy retrofit policy. <i>Journal of Building Engineering</i> , <b>2022</b> , 104633	5.2	0
71	Developing Indoor Temperature Profiles of Albanian Homes for Baseline Energy Models in Relation to Contextual Factors. <i>Energies</i> , <b>2022</b> , 15, 3668	3.1	0
70	Sustainable Renovation and Assessment of Existing Aging Rammed Earth Dwellings in Hunan, China. <b>2022</b> , 14, 6748		
69	An integrated technical, economic, and environmental framework for evaluating the rooftop photovoltaic potential of old residential buildings. <b>2022</b> , 115296		9
68	Building Energy Retrofits: A Review of Decision-Making Models. <i>Lecture Notes in Civil Engineering</i> , <b>2023</b> , 65-79	0.3	
67	Artificial Neural Network for Predicting Building Energy Performance: A Surrogate Energy Retrofits Decision Support Framework. <i>Buildings</i> , <b>2022</b> , 12, 829	3.2	1
66	Holistic assessment of carbon abatement strategies in building refurbishment literature □ A scoping review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 112636	16.2	1
65	Home energy retrofit: Reviewing its depth, scale of delivery, and sustainability. <i>Energy and Buildings</i> , <b>2022</b> , 269, 112253	7	2
64	Building Energy, How Building Efficiency Can Be Improved in Government Facilities. <b>2022</b> , 1-4		



63	Compact Decentral Façade-Integrated Air-to-Air Heat Pumps for Serial Renovation of Multi-Apartment Buildings. <i>Energies</i> , <b>2022</b> , 15, 4679	3.1	0
62	Retrofit Guidelines Towards Achievement of Net Zero Energy in a University Building. <i>Lecture Notes in Civil Engineering</i> , <b>2023</b> , 231-243	0.3	
61	Lean Screening for Greener Energy Consumption in Retrofitting a Residential Apartment Unit. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 6631	2.6	0
60	Technological Advancements and Economics in Plant Production Systems: How to Retrofit?. <i>Frontiers in Plant Science</i> , 13,	6.2	
59	Evaluation Method on Energy-Efficient Retrofitting of Wooden Walls of Chinese Traditional Dwelling A Case Study of Rendetang in Jinhua. <i>Buildings</i> , <b>2022</b> , 12, 1017	3.2	
58	Energy Conservation and Management in Buildings. <b>2022</b> , 247-266		
57	Monitoring and analytics to measure heat resilience of buildings and support retrofitting by passive cooling. <i>Journal of Building Engineering</i> , <b>2022</b> , 104985	5.2	1
56	Effectiveness of low-cost non-invasive solutions for daylight and electric lighting integration to improve energy efficiency in historical buildings. <i>Energy and Buildings</i> , <b>2022</b> , 270, 112281	7	0
55	Seismic retrofitting of existing frame buildings through externally attached sub-structures: State of the art review and future perspectives. <i>Journal of Building Engineering</i> , <b>2022</b> , 57, 104904	5.2	17
54	Geothermal energy at different depths for district heating and cooling of existing and future building stock. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 167, 112727	16.2	2
53	Decision Support Tool to Enable Real-Time Data-Driven Building Energy Retrofitting Design. <i>Energies</i> , <b>2022</b> , 15, 5408	3.1	0
52	Modeling and Performance Analysis for High-Rise Building Using ArchiCAD: Initiatives towards Energy-Efficient Building. <b>2022</b> , 14, 9780		1
51	Tripartite Evolutionary Game Analysis of Stakeholder Decision-Making Behavior in Energy-Efficient Retrofitting of Office Buildings. <b>2022</b> , 14, 11697		0
50	Understanding the impediments to sustainable structural retrofit of existing buildings in the UK. <b>2022</b> , 60, 105168		0
49	A Review of 10 years Research on Barriers in the Whole Process of Building Retrofit: Stakeholders' Perception. <b>2022</b> , 1259-1275		0
48	The Impact of Energy Renovation on Continuously and Intermittently Heated Residential Buildings in Southern Europe. <b>2022</b> , 12, 1316		1
47	Improved methodology for affordable, reliable deep building renovations. <b>2022</b> , 1085, 012003		0
46	Low-carbon operation method of the building based on dynamic carbon emission factor of power system.		0

45	Scientometric mapping of global research on green retrofitting of existing buildings (GREB): Pathway towards a holistic GREB framework. <b>2022</b> , 112532	0
44	Pathways to successful building green retrofit projects: Causality analysis of factors affecting decision making. <b>2022</b> , 276, 112486	0
43	BIM-BASED ENERGY PERFORMANCE EVALUATION OF A BUILDING ENVELOPE IN SEMI-ARID CLIMATE ZONE IN THE MIDDLE EAST. <b>2022</b> , 17, 227-258	0
42	A Review of Data-Driven Approaches for Measurement and Verification Analysis of Building Energy Retrofits. <b>2022</b> , 15, 7824	0
41	Statistical Evaluation and Development of General Thermal Comfort Equations for Naturally Ventilated Buildings in Humid and Dry Hot Climates. <b>2022</b> , 12, 1803	0
40	The Financial Evaluation Structures of Cost-Optimal Building Renovation and Comparative Analysis of their Applications. <b>2022</b> , 22, 5-17	0
39	A Review on Technical Challenges and Possibilities on Energy Efficient Retrofit Measures in Heritage Buildings. <b>2022</b> , 15, 7472	1
38	The development trends of existing building energy conservation and emission reduction comprehensive review. <b>2022</b> , 8, 13170-13188	1
37	An intelligent retrofit decision-making model for building program planning considering tacit knowledge and multiple objectives. <b>2023</b> , 263, 125704	1
36	Data-Driven Improvement of Static Application Security Testing Service: An Experience Report in Visma. <b>2022</b> , 157-170	0
35	BIM-aided large-scale group decision support: Optimization of the retrofit strategy for existing buildings. <b>2022</b> , 109790	1
34	Energy-Efficient retrofitting with exterior shading device in hot and humid Climate - Case Studies from fully glazed multi-storied office buildings in Chennai, India.	0
33	BIM Driven Retrofitting Design Evaluation of Building Facades. <b>2022</b> ,	0
32	Energy and thermal analysis of DSF in the retrofit design of office buildings in hot climates. 1-23	0
31	On the interoperability of Building Information Modeling for Energy Analysis: the case study of the Maritime Station of Napoli (Italy). <b>2022</b> , 1106, 012001	0
30	Risk management of retrofit project in old residential areas under green development. <b>2023</b> , 279, 112708	0
29	Large scale energy labelling with models: The EU TABULA model versus machine learning with open data. <b>2023</b> , 264, 126175	0
28	Multi-objective optimization of a multi-story hotel's energy demand and investing the money saved in energy supply with solar energy production. <b>2023</b> , 72, 33-41	1

27	Optimization of Energetic Refurbishment Roadmaps for Multi-family Buildings utilizing Heat Pumps. <b>2022</b> , 112729	0
26	Decision-Making Approach based on Multi-objective Optimization to Achieve Net-Zero Energy Neighborhoods through Retrofit in a Tropical Climate. <b>2022</b> , 2385, 012017	0
25	Building Energy: How Building Efficiency Can Be Improved in Government Facilities. <b>2022</b> , 97-99	0
24	Design hygrothermally functional wooden insulation systems: A parametric study for mixed climate. <b>2023</b> , 46, 474-509	0
23	Reduction in energy consumption and CO2 emissions by retrofitting an existing building to a net zero energy building for the implementation of SDGs 7 and 13. 10,	0
22	Data-informed building energy management (DiBEM) towards ultra-low energy buildings. <b>2023</b> , 281, 112761	1
21	Gaps and requirements for applying automatic architectural design to building renovation. <b>2023</b> , 147, 104742	1
20	Assessing retrofit strategies for mosque buildings using TOPSIS. <b>2023</b> , 9, 1397-1414	0
19	Caracterizaci3n de fachadas: clasificaci3n de las tipolog3as constructivas m3s habituales en Espa3a. <b>2022</b> , 74, e471	0
18	Optimization research on energy-saving and life-cycle decarbonization retrofitting of existing school buildings: A case study of a school in Nanjing. <b>2023</b> , 254, 54-66	0
17	Building energy simulation and its application for building performance optimization: A review of methods, tools, and case studies. <b>2023</b> , 10, 100135	0
16	Retrofit of renewable energy systems in existing community for positive energy community. <b>2023</b> , 9, 3733-3744	1
15	Improved locust swarm optimization algorithm applied for building retrofitting based on the green policy of buildings. <b>2023</b> , 70, 106274	0
14	State-of-the-Art II: Bibliometric Review of the Last 30 Years Energy Policy in Europe. <b>2022</b> , 93-156	0
13	Combining CAD Modeling and Simulation of Energy Performance Data for the Retrofit of Public Buildings. <b>2023</b> , 15, 2211	0
12	Affordability assessment of passive retrofitting measures for residential buildings using life cycle assessment. <b>2023</b> , 9, e13574	0
11	Conducting smart energy audits of buildings with the use of building information modelling. <b>2023</b> , 285, 112884	0
10	Existing Building Renovation: A Review of Barriers to Economic and Environmental Benefits. <b>2023</b> , 20, 4058	0

- 9 A procedure set to construct the optimal energy saving retrofit strategy for old residential buildings in China. **2023**, 15, 025101 ○
- 8 A New Framework for Circular Refurbishment of Buildings to Operationalize Circular Economy Policies. **2023**, 10, 51 ○
- 7 Proposal of retrofit of historic buildings as cafes in Korea: Recycling biomaterials to improve building energy and acoustic performance. **2023**, 287, 112988 ○
- 6 Energy Audit of Two Multifamily Buildings and Economic Evaluation of Possible Improvements. ○
- 5 Non-traditional Building Insulation Materials. **2023**, 359-383 ○
- 4 Evaluation of facade systems in different climate zones regarding energy, comfort, emission, and cost. **2023**, 30, 123-136 ○
- 3 Analysis of Electricity and Water Consumption in Existing Mosque Buildings in the UAE. **2023**, 13, 1007 ○
- 2 Collaboration and integration towards zero carbon refurbishment: A New Zealand case study. **2023**, 74, 361-371 ○
- 1 A Review of Building Energy Retrofit Measures, Passive Design Strategies and Building Regulation for the Low Carbon Development of Existing Dwellings in the Hot Summer Cold Winter Region of China. **2023**, 16, 4115 ○