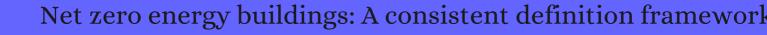
# CITATION REPORT List of articles citing



DOI: 10.1016/j.enbuild.2012.01.032 Energy and Buildings, 2012, 48, 220-232.

Source: https://exaly.com/paper-pdf/54524748/citation-report.pdf

Version: 2024-04-28

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

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

#	Paper	IF	Citations
591	Net sustainable buildings: Approaching future. <b>2012</b> ,		
590	Net ZEB office in Sweden [A case study, testing the Swedish Net ZEB definition. <b>2012</b> , 1, 217-226		12
589	Net zero energy buildings: Application in Lebanon on a typical residential building. 2012,		1
588	A methodology for economic efficient design of Net Zero Energy Buildings. <i>Energy and Buildings</i> , <b>2012</b> , 55, 765-778	7	109
587	Energy plus standard in buildings constructed by housing associations?. <i>Energy</i> , <b>2012</b> , 48, 56-65	7.9	9
586	Energy autonomy in sustainable communities Areview of key issues. <i>Renewable and Sustainable Energy Reviews</i> , <b>2012</b> , 16, 6497-6506	16.2	156
585	Achieving informed decision-making for net zero energy buildings design using building performance simulation tools. <b>2013</b> , 6, 3-21		28
584	Photovoltaics and zero energy buildings: a new opportunity and challenge for design. <b>2013</b> , 21, 1319-1	336	42
583	Progress in ZEBsA review of definitions, policies and construction activity. <b>2013</b> , 62, 196-206		64
582	How low should be the energy required by a nearly Zero-Energy Building? The load/generation energy balance of Mediterranean housing. <i>Energy and Buildings</i> , <b>2013</b> , 61, 161-171	7	34
581	Nearly Zero, Net Zero, and Plus Energy Buildings ITheory, Terminology, Tools, and Examples. <b>2013</b> , 875	-889	3
580	The impact of niche green developments in transforming the building sector: The case study of Lochiel Park. <b>2013</b> , 62, 646-655		40
579	Cost optimal analysis of heat pump technology adoption in residential reference buildings. <i>Renewable Energy</i> , <b>2013</b> , 60, 615-624	8.1	46
578	Towards sustainability index for healthy buildings Via intrinsic thermodynamics, green accounting and harmony. <i>Energy and Buildings</i> , <b>2013</b> , 62, 627-637	7	26
577	Optimal placement and sizing of DG (distributed generation) units in distribution networks by novel hybrid evolutionary algorithm. <i>Energy</i> , <b>2013</b> , 54, 129-138	7.9	102
576	Zero energy buildings and sustainable development implications 🖪 review. Energy, 2013, 54, 1-10	7.9	320
575	Sustainable energy performances of green buildings: A review of current theories, implementations and challenges. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 25, 1-17	16.2	232

574	LCE analysis of buildings (Taking the step towards Net Zero Energy Buildings. <i>Energy and Buildings</i> , <b>2013</b> , 62, 381-391	7	69
573	Review of passive PCM latent heat thermal energy storage systems towards buildingslenergy efficiency. <i>Energy and Buildings</i> , <b>2013</b> , 59, 82-103	7	610
572	Development of Innovative Heating and Cooling Systems Using Renewable Energy Sources for Non-Residential Buildings. <i>Energies</i> , <b>2013</b> , 6, 5114-5129	3.1	31
571	Common Characteristics of Zero Energy Buildings in Relation to the Energy Distribution Networks. <b>2013</b> , 855, 31-34		
57°	Water and sunlight: regenerative hydronics. <b>2013</b> , 4, 260-273		
569	Is the NZEB Benchmarking Approach Suitable for Assessing Energy Retrofit Design?. <b>2013</b> , 361-363, 402-	407	10
568	Nearly Zero-Energy Building (nZEB) Definitions and Assessment Boundaries. <i>Green Energy and Technology</i> , <b>2013</b> , 7-30	0.6	0
567	Smart Grid - BEMS: The Art of Optimizing the Connection between Comfort Demand and Energy Supply. <b>2013</b> ,		2
566	Engineering. Multiscale design and integration of sustainable building functions. 2013, 341, 247-8		22
565	Breve anlise da estratĝia da Unil Europeia (UE) para a eficiĥcia energtica do ambiente construdo. <b>2013</b> , 13, 203-212		
564	A Multi-Objective (Energy, Economic and Environmental Performance) Life Cycle Analysis for Better Building Design. <i>Sustainability</i> , <b>2014</b> , 6, 602-614	3.6	19
563	Towards an Ideal Adaptive Glazed Faade for Office Buildings. <b>2014</b> , 62, 289-298		20
562	The impact of urban design decisions on net zero energy solar buildings in Sweden. <b>2014</b> , 2, 312-332		25
561	A validated design simulation tool for passive solar space heating: Results from a monitored house in West Lothian, Scotland. <b>2014</b> , 23, 353-372		3
560	Potential impact evaluation: an ex ante evaluation of the Mediterranean buildings energy efficiency strategy. <b>2014</b> , 33, 1000-1016		6
559	Interaction of New Physical-Energy Quantification of Buildings and Renewable Energy Sources as a Dominant Production Technology of Natural Capital. <b>2014</b> , 899, 46-51		
558	Optimization Models and Methods for Demand-Side Management of Residential Users: A Survey. <i>Energies</i> , <b>2014</b> , 7, 5787-5824	3.1	137
557	Feasibility of an Energy Efficient Large-Scale Aquaponic Food Production and Distribution Facility. <b>2014</b> ,		1

556	Towards Net Zero Energy Building: Collaboration-based Sustainable Design and Practice of the Beijing Waterfowl Pavilion. <b>2014</b> , 57, 1773-1782		2
555	Photovoltaics in Net Zero Energy Buildings and Clusters: Enabling the Smart City Operation. <b>2014</b> , 61, 1171-1174		15
554	Methodology for Analysis of Energy Efficiency for Residential Buildings Based on the Optimal Cost. <b>2014</b> , 659, 469-474		
553	Design of Net Zero Energy Buildings: Feedback from International Projects. <b>2014</b> , 61, 995-998		14
552	Reaching to Net Zero Energy: The Recipe to Create Zero Energy Homes in Warm Temperate Climates. <b>2014</b> , 62, 112-122		12
551	Construction and Building Research. 2014,		1
550	A life-cycle cost analysis of the passive house <b>B</b> OLITEHNICAl <b>f</b> rom Bucharest. <i>Energy and Buildings</i> , <b>2014</b> , 80, 542-555	7	29
549	Standard-based service-oriented infrastructure to integrate intelligent buildings in distributed generation and smart grids. <i>Energy and Buildings</i> , <b>2014</b> , 76, 450-458	7	19
548	Formal simulation model to optimize building sustainability. <b>2014</b> , 69, 62-74		15
547	Performance analysis of commercial buildings <b>R</b> esults and experiences from the German demonstration program <b>E</b> nergy Optimized Building (EnOB)[[Energy and Buildings, <b>2014</b> , 68, 634-638]	7	15
546	Experimental assessment of the energy performance of an advanced responsive multifunctional fallde module. <i>Energy and Buildings</i> , <b>2014</b> , 68, 647-659	7	40
545	Fulfillment of net-zero energy building (NZEB) with four metrics in a single family house with different heating alternatives. <i>Applied Energy</i> , <b>2014</b> , 114, 385-399	10.7	122
544	Cost-effective design solutions for low-rise residential Net ZEBs in Mediterranean climate. <i>Energy and Buildings</i> , <b>2014</b> , 68, 7-18	7	31
543	A net zero emission concept analysis of a single-family house. <i>Energy and Buildings</i> , <b>2014</b> , 74, 101-110	7	74
542	Portuguese sustainable construction assessment tools benchmarked with BREEAM and LEED: An energy analysis. <i>Energy and Buildings</i> , <b>2014</b> , 69, 451-463	7	50
541	Energy life-cycle approach in Net zero energy buildings balance: Operation and embodied energy of an Italian case study. <i>Energy and Buildings</i> , <b>2014</b> , 72, 371-381	7	132
540	A comprehensive feasibility study of applying solar energy to design a zero energy building for a typical home in Tehran. <i>Energy and Buildings</i> , <b>2014</b> , 72, 329-339	7	52
539	The influence of different electricity-to-emissions conversion factors on the choice of insulation materials. <i>Energy and Buildings</i> , <b>2014</b> , 85, 362-373	7	14

## (2015-2014)

538	Implications of weighting factors on technology preference in net zero energy buildings. <i>Energy</i> and Buildings, <b>2014</b> , 82, 250-262	7	43
537	A simplified framework to assess the feasibility of zero-energy at the neighbourhood/community scale. <i>Energy and Buildings</i> , <b>2014</b> , 82, 114-122	7	94
536	Multi-objective optimization analysis for high efficiency external walls of zero energy buildings (ZEB) in the Mediterranean climate. <i>Energy and Buildings</i> , <b>2014</b> , 84, 483-492	7	58
535	Analysis of load match and grid interaction indicators in net zero energy buildings with simulated and monitored data. <i>Applied Energy</i> , <b>2014</b> , 136, 119-131	10.7	158
534	Defining zero carbon and zero energy homes from a performance-based regulatory perspective. <b>2014</b> , 7, 303-322		21
533	Do the numbers stack up? Lessons from a zero carbon housing estate. <i>Renewable Energy</i> , <b>2014</b> , 67, 80-89	8.1	29
532	How to evaluate performance of net zero energy building [A literature research. Energy, <b>2014</b> , 71, 1-16	7.9	194
531	System boundaries of zero carbon buildings. Renewable and Sustainable Energy Reviews, 2014, 37, 424-43	<b>3€</b> .2	70
530	Selection of micro-cogeneration for net zero energy buildings (NZEB) using weighted energy matching index. <i>Energy and Buildings</i> , <b>2014</b> , 80, 490-503	7	27
529	Near zero energy homes IWhat do users think?. <b>2014</b> , 73, 127-137		40
528	Energy Optimization in Net-Zero Energy Building Clusters. <b>2014</b> ,		1
527	Briefing: Delivering buildings and infrastructure towards zero carbon. <b>2014</b> , 1, 60-65		1
526	Zero Emission Building And Conversion Factors Between Electricity Consumption And Emissions Of Greenhouse Gases In A Long Term Perspective. <b>2014</b> , 13, 12-19		29
525	Net ZEB case studies. <b>2015</b> , 241-350		
524	Adaptive Operation Decisions in Net Zero Building Clusters. 2015,		2
523	A laboratory setup for the evaluation of the effects of BACS and TBM systems on lighting. <b>2015</b> ,		6
522	. 2015,		28
521	Development of Micro-Grippers for Tissue and Cell Manipulation with Direct Morphological Comparison. <b>2015</b> , 6, 1710-1728		44

520	Towards Development of a Label for Zero Emission Buildings: A Tool to Evaluate Potential Zero Emission Buildings. <i>Sustainability</i> , <b>2015</b> , 7, 5071-5093	3.6	8
519	Analysis of Photovoltaic Applications in Zero Energy Building Cases of IEA SHC/EBC Task 40/Annex 52. <i>Sustainability</i> , <b>2015</b> , 7, 8782-8800	3.6	18
518	Energy considerations of social dwellings in Colombia according to NZEB concept. <b>2015</b> , 82, 120-130		5
517	Load match optimisation of a residential building case study: A cross-entropy based electricity storage sizing algorithm. <i>Applied Energy</i> , <b>2015</b> , 154, 380-391	10.7	42
516	Zero energy homes 🗚 re they economically viable?. <b>2015</b> , 85, 12-21		30
515	Framing evidence: policy design for the zero-carbon home. <b>2015</b> , 43, 420-434		9
514	Solar energy for net zero energy buildings 🖪 comparison between solar thermal, PV and photovoltaicEhermal (PV/T) systems. <i>Solar Energy</i> , <b>2015</b> , 122, 986-996	6.8	129
513	Housing and Transportation: Towards a Multi-scale Net Zero Emission Housing Approach for Residential Buildings in New Zealand. <b>2015</b> , 75, 2826-2832		4
512	Embodied Energy and Operational Energy Assessment in the Framework of Nearly Zero Energy Building and Building Energy Rating. <b>2015</b> , 78, 3204-3209		30
511	A review on Zero Energy Buildings and intelligent systems. <b>2015</b> ,		11
510	The Implications of Mandating Photovoltaics on all New Homes. 2015, 83, 91-100		5
509	Assessment of the progress towards the establishment of definitions of Nearly Zero Energy Buildings (nZEBs) in European Member States. <i>Journal of Building Engineering</i> , <b>2015</b> , 1, 20-32	5.2	83
508	Building integrated renewable energy to achieve zero emission in Bahrain. <i>Energy and Buildings</i> , <b>2015</b> , 93, 32-39	7	24
507	Different energy balances for the redesign of nearly net zero energy buildings: An Italian case study. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 45, 100-112	16.2	60
506	Thermal inertia and energy efficiency [Parametric simulation assessment on a calibrated case study. <i>Applied Energy</i> , <b>2015</b> , 145, 111-123	10.7	66
505	Comparative evaluation of optimal energy efficiency designs for French and US office buildings. <i>Energy and Buildings</i> , <b>2015</b> , 93, 332-344	7	19
504	An investigation of the techno-economic impact of internal combustion engine based cogeneration systems on the energy requirements and greenhouse gas emissions of the Canadian housing stock. <b>2015</b> , 87, 505-518		18
503	Net energy analysis of a solar combi system with Seasonal Thermal Energy Store. <i>Applied Energy</i> , <b>2015</b> , 147, 611-616	10.7	36

### (2015-2015)

502	A review on sustainable construction management strategies for monitoring, diagnosing, and retrofitting the building dynamic energy performance: Focused on the operation and maintenance phase. <i>Applied Energy</i> , <b>2015</b> , 155, 671-707	10.7	107
501	Resource potential and energy efficiency in the buildings of Cameroon: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 50, 835-846	16.2	14
500	Preliminary design method for naturally ventilated buildings using target air change rate and natural ventilation potential maps in the United States. <i>Energy</i> , <b>2015</b> , 89, 655-666	7.9	30
499	Retrofitting an office building towards a net zero energy building. <b>2015</b> , 9, 20-33		17
498	Analysis of grid interaction indicators in net zero-energy buildings with sub-hourly collected data. <b>2015</b> , 9, 89-106		15
497	Control limits for building energy end use based on frequency analysis and quantile regression. <b>2015</b> , 8, 1077-1092		4
496	The historical evolution of the energy efficient buildings. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 49, 243-253	16.2	87
495	Smart Transducer Interface <b>E</b> rom Networked On-Site Optimization of Energy Balance in Research-Demonstrative Office Building to Smart City Conception. <b>2015</b> , 15, 2468-2478		6
494	Incorporation of electricity GHG emissions intensity variability into building environmental assessment. <i>Applied Energy</i> , <b>2015</b> , 159, 62-69	10.7	24
493	Regenerative Design of Existing Buildings for Net-Zero Energy Use. <b>2015</b> , 118, 72-80		26
492	Design method of high performance precast external walls for warm climate by multi-objective optimization analysis. <i>Energy</i> , <b>2015</b> , 90, 1645-1661	7.9	25
491	The optimal thermo-optical properties and energy saving potential of adaptive glazing technologies. <i>Applied Energy</i> , <b>2015</b> , 156, 1-15	10.7	101
490	Shading effect on the energy rating of two identical PV systems on a building fallde. <i>Solar Energy</i> , <b>2015</b> , 122, 48-57	6.8	32
489	A survey of expert attitudes on understanding and governing energy autonomy at the local level. <b>2015</b> , 4, 397-405		6
488	The location as an energy efficiency and renewable energy supply measure for data centres in Europe. <i>Applied Energy</i> , <b>2015</b> , 140, 338-349	10.7	46
487	Performance of photovoltaics in non-optimal orientations: An experimental study. <i>Energy and Buildings</i> , <b>2015</b> , 87, 211-219	7	31
486	Shifting from net-zero to net-positive energy buildings. <b>2015</b> , 43, 111-120		37
485	Life cycle emissions analysis of two nZEB concepts. <b>2015</b> , 43, 82-93		54

484	A socio-technical framework of zero-carbon building policies. <b>2015</b> , 43, 94-110		33
483	Qatar 2022: Facing the FIFA World Cup climatic and legacy challenges. <i>Sustainable Cities and Society</i> , <b>2015</b> , 14, 16-30	10.1	34
482	Net-zero buildings: incorporating embodied impacts. <b>2015</b> , 43, 62-81		77
481	Evaluating Thermal and Lighting Energy Performance of Shading Devices on Kinetic Falldes. <i>Sustainability</i> , <b>2016</b> , 8, 883	3.6	14
480	Future trends for solar energy use în nearly zero energy buildings. <b>2016</b> , 547-569		5
479	The assessment of the relevance of building components and life phases for the environmental profile of nearly zero-energy buildings: life cycle assessment of a multifamily building in Italy. <b>2016</b> , 21, 1667-1690		19
478	Environmental impact assessment of building foundation in masonry family houses related to the total used building materials. <b>2016</b> , 35, 1113-1120		10
477	Real-time matching of local generation and demand: The use of high resolution load modeling. <b>2016</b> ,		
476	Occupancy forecasting for the reduction of HVAC energy consumption in smart buildings. 2016,		
475	A techno-economic analysis for an integrated solar PV/T system for building applications. <b>2016</b> ,		1
474	Solar optics-based active panel for solar energy storage and disinfection of greywater. <b>2016</b> , 10, 05412	0	3
473	Methodology for optimal energy system design of Zero Energy Buildings using mixed-integer linear programming. <i>Energy and Buildings</i> , <b>2016</b> , 127, 194-205	7	52
472	Clusters and exemplars of buildings towards zero carbon. <i>Building and Environment</i> , <b>2016</b> , 104, 92-101	6.5	29
471	Towards regenerative and positive impact architecture: A comparison of two net zero energy buildings. <i>Sustainable Cities and Society</i> , <b>2016</b> , 26, 393-406	10.1	43
470	Energy matching analysis for net-zero energy buildings. <b>2016</b> , 22, 885-901		5
469	Demand side flexibility: Potentials and building performance implications. <i>Sustainable Cities and Society</i> , <b>2016</b> , 22, 146-163	10.1	83
468	Integration of transportation energy processes with a net zero energy community using captured waste hydrogen from electrochemical plants. <b>2016</b> , 41, 8337-8346		16
467	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

## (2016-2016)

466	Experimental analysis of the energy performance of an ACTive, RESponsive and Solar (ACTRESS) fallde module. <i>Solar Energy</i> , <b>2016</b> , 133, 226-248	6.8	24
465	Embodied greenhouse gas emissions from PV systems in Norwegian residential Zero Emission Pilot Buildings. <i>Solar Energy</i> , <b>2016</b> , 133, 155-171	6.8	40
464	Energy and architectural consequences of Swedish building code. <b>2016</b> , 5, 125-142		1
463	Malware Propagation and Control in Internet of Things. <b>2016</b> , 73-110		O
462	From smart ground to smart grid: A method to achieve multi-energy system. 2016,		О
461	Energy efficiency at the building and district levels in a multi-energy context. 2016,		1
460	Towards next generation district heating in Finland. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 65, 915-924	16.2	60
459	Optimal control and performance of photovoltachromic switchable glazing for building integration in temperate climates. <i>Applied Energy</i> , <b>2016</b> , 178, 943-961	10.7	56
458	Earth-to-air heat exchanger for NZEB in Mediterranean climate. Renewable Energy, <b>2016</b> , 99, 553-563	8.1	56
457	Getting to net zero energy building: Investigating the role of vehicle to home technology. <i>Energy and Buildings</i> , <b>2016</b> , 130, 465-476	7	64
456	Regenerative design and adaptive reuse of existing commercial buildings for net-zero energy use. <i>Sustainable Cities and Society</i> , <b>2016</b> , 27, 185-195	10.1	26
455	A hybrid Genetic Algorithm and Monte Carlo simulation approach to predict hourly energy consumption and generation by a cluster of Net Zero Energy Buildings. <i>Applied Energy</i> , <b>2016</b> , 179, 626-6	<del>19</del> .7	52
454	EXPERIMENTAL INVESTIGATION OF CLAY-STRAW BUILDING FINISHING LAYER UNDER DIFFERENT DRYING CONDITIONS. <b>2016</b> , 8, 65-70		
453	Comparative Evaluation of Different Computational Models for Performance of Air Source Heat Pumps Based on Real World Data. <b>2016</b> , 95, 459-466		5
452	Net zero-energy buildings in Germany: Design, model calibration and lessons learned from a case-study in Berlin. <i>Energy and Buildings</i> , <b>2016</b> , 133, 688-710	7	48
451	Gebüde.Technik.Digital <b>2016</b> ,		9
450	Performance criteria system for passive nearly zero energy buildings in China. <b>2016</b> , 25, 1181-1184		8
449	Conversion of administrative complex as Net Zero in Central Electronics Limited, India. 2016,		

448	Application of a BIPV to cover net energy use of the adjacent office room. <b>2016</b> , 27, 649-662		10
447	Mandating better buildings: a global review of building codes and prospects for improvement in the United States. <b>2016</b> , 5, 188-215		12
446	Cost-optimal energy system design in Zero Energy Buildings with resulting grid impact: A case study of a German multi-family house. <i>Energy and Buildings</i> , <b>2016</b> , 127, 830-845	7	34
445	Energy planning methodology of net-zero energy solar neighborhoods in the Mediterranean basin. <b>2016</b> , 22, 928-938		11
444	The overall renewable energy fraction: An alternative performance indicator for evaluating Net Zero Energy Buildings. <i>Energy and Buildings</i> , <b>2016</b> , 127, 736-747	7	8
443	Governance strategies to achieve zero-energy buildings in China. <b>2016</b> , 44, 604-618		13
442	GreenGear. <b>2016</b> ,		2
441	ZEMCH: Toward the Delivery of Zero Energy Mass Custom Homes. <b>2016</b> ,		4
440	Photovoltaics' architectural and landscape design options for Net Zero Energy Buildings, towards Net Zero Energy Communities: spatial features and outdoor thermal comfort related considerations. <b>2016</b> , 24, 477-495		16
439	Achieving annual and monthly net-zero energy of existing building in hot climate. <i>Applied Energy</i> , <b>2016</b> , 165, 511-521	10.7	69
438	Evaluation of net-zero energy residential buildings in the MENA region. <i>Sustainable Cities and Society</i> , <b>2016</b> , 22, 116-125	10.1	61
437	Load forecast on intelligent buildings based on temporary occupancy monitoring. <i>Energy and Buildings</i> , <b>2016</b> , 116, 512-521	7	19
436	Introduction to Nano- and Biotech-Based Materials for Energy Building Efficiency. <b>2016</b> , 1-16		2
435	Simulation-Based Evaluation of Adaptive Materials for Improved Building Performance. <b>2016</b> , 125-166		1
434	Improving the economics of building energy code change: A review of the inputs and assumptions of economic models. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 58, 157-166	16.2	20
433	Influence of PV technology and system design on the emission balance of a net zero emission building concept. <i>Solar Energy</i> , <b>2016</b> , 130, 89-100	6.8	23
432	Less is more: A review of low energy standards and the urgent need for an international universal zero energy standard. <i>Journal of Building Engineering</i> , <b>2016</b> , 6, 65-74	5.2	44
431	Zero energy level and economic potential of small-scale building-integrated PV with different heating systems in Nordic conditions. <i>Applied Energy</i> , <b>2016</b> , 167, 255-269	10.7	42

430	A multi-criterion renewable energy system design optimization for net zero energy buildings under uncertainties. <i>Energy</i> , <b>2016</b> , 94, 654-665	7.9	105
429	A planning process map for solar buildings in urban environments. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 57, 173-185	16.2	37
428	A model for the optimal design and management of a cogeneration system with energy storage. <i>Energy and Buildings</i> , <b>2016</b> , 124, 241-247	7	45
427	Grid support coefficients for electricity-based heating and cooling and field data analysis of present-day installations in Germany. <i>Applied Energy</i> , <b>2016</b> , 162, 853-867	10.7	11
426	Operating performance in cooling mode of a ground source heat pump of a nearly-zero energy building in the cold region of China. <i>Renewable Energy</i> , <b>2016</b> , 87, 1045-1052	8.1	17
425	Zero-energy hydrogen economy (ZEH2E) for buildings and communities including personal mobility. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 71, 697-711	16.2	52
424	Flexibility of electric vehicles and space heating in net zero energy houses: an optimal control model with thermal dynamics and battery degradation. <i>Applied Energy</i> , <b>2017</b> , 190, 800-812	10.7	55
423	Sustainable Building and Built Environments to Mitigate Climate Change in the Tropics. <b>2017</b> ,		3
422	Analysis of different energy conservation strategies on existing school buildings in a Pre-Alpine Region. <i>Energy and Buildings</i> , <b>2017</b> , 145, 92-106	7	24
421	A review on current advances in the energy and environmental performance of buildings towards a more sustainable built environment. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 77, 845-860	16.2	119
421 420		16.2	119
	more sustainable built environment. Renewable and Sustainable Energy Reviews, <b>2017</b> , 77, 845-860	16.2	119 31
420	more sustainable built environment. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 77, 845-860  The impact of ventilation cooling towers on plus energy houses in southern Europe. <b>2017</b> , 1-22  On the necessity of improving the environmental impacts of furniture and appliances in net-zero	8.1	
420 419	more sustainable built environment. Renewable and Sustainable Energy Reviews, 2017, 77, 845-860  The impact of ventilation cooling towers on plus energy houses in southern Europe. 2017, 1-22  On the necessity of improving the environmental impacts of furniture and appliances in net-zero energy buildings. 2017, 596-597, 405-416  Retrospective analysis of the energy consumption of single-family dwellings in central Argentina.		31
420 419 418	more sustainable built environment. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 77, 845-860  The impact of ventilation cooling towers on plus energy houses in southern Europe. <b>2017</b> , 1-22  On the necessity of improving the environmental impacts of furniture and appliances in net-zero energy buildings. <b>2017</b> , 596-597, 405-416  Retrospective analysis of the energy consumption of single-family dwellings in central Argentina. Retrofitting and adaptation to the climate change. <i>Renewable Energy</i> , <b>2017</b> , 101, 1226-1241  Life-cycle cost analyses of heat pump concepts for Finnish new nearly zero energy residential	8.1	31
420 419 418 417	The impact of ventilation cooling towers on plus energy houses in southern Europe. 2017, 1-22  On the necessity of improving the environmental impacts of furniture and appliances in net-zero energy buildings. 2017, 596-597, 405-416  Retrospective analysis of the energy consumption of single-family dwellings in central Argentina. Retrofitting and adaptation to the climate change. Renewable Energy, 2017, 101, 1226-1241  Life-cycle cost analyses of heat pump concepts for Finnish new nearly zero energy residential buildings. Energy and Buildings, 2017, 150, 396-402  Behavioral variables and occupancy patterns in the design and modeling of Nearly Zero Energy	8.1	31 18 28
419 418 417 416	The impact of ventilation cooling towers on plus energy houses in southern Europe. 2017, 1-22  On the necessity of improving the environmental impacts of furniture and appliances in net-zero energy buildings. 2017, 596-597, 405-416  Retrospective analysis of the energy consumption of single-family dwellings in central Argentina. Retrofitting and adaptation to the climate change. Renewable Energy, 2017, 101, 1226-1241  Life-cycle cost analyses of heat pump concepts for Finnish new nearly zero energy residential buildings. Energy and Buildings, 2017, 150, 396-402  Behavioral variables and occupancy patterns in the design and modeling of Nearly Zero Energy Buildings. 2017, 10, 875-888  Thermal comfort and indoor air quality of the Concept 22/26 pa new high performance building	8.1	31 18 28 20

412	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
411	Social indicators to localize renewable energy sources considering their visual impacts. <b>2017</b> , 122, 529-5	34	2
410	Different balancing methods for Net Zero Energy Buildings - Impact of time steps, grid interaction and weighting factors. <b>2017</b> , 122, 379-384		5
409	Automated classification and identification procedure for prediction of energy consumption in multi-mode buildings. <b>2017</b> , 122, 1021-1026		3
408	Preventing overheating in offices through thermal inertial properties of compressed earth bricks: A study on a real scale prototype. <i>Energy and Buildings</i> , <b>2017</b> , 156, 281-292	7	26
407	An assessment framework to quantify the interaction between the built environment and the electricity grid. <i>Applied Energy</i> , <b>2017</b> , 206, 22-31	10.7	6
406	Modeling of double skin falldes integrating photovoltaic panels and automated roller shades: Analysis of the thermal and electrical performance. <i>Energy and Buildings</i> , <b>2017</b> , 154, 618-632	7	37
405	Modeling the Impact of Thermal Demand Response on a Campus Chilled Water Plant and Assessment of Campus-wide Load Shift Potential. <b>2017</b> ,		
404	Upgrading Qualifications of European Energy Professionals in NZEB IThe MEnS Project. <b>2017</b> , 38, 898-9	04	1
403	Photovoltaic-thermal hybrid collector performance for direct trigeneration in a European building retrofit case study. <i>Energy and Buildings</i> , <b>2017</b> , 152, 701-717	7	16
402	Multi-Scale Computing for a Sustainable Built Environment. <b>2017</b> , 53-97		1
401	Does window-to-wall ratio have a significant effect on the energy consumption of buildings? A parametric analysis in Italian climate conditions. <i>Journal of Building Engineering</i> , <b>2017</b> , 13, 169-183	5.2	66
400	The potential of net zero energy buildings (NZEBs) concept at design stage for healthcare buildings towards sustainable development. <b>2017</b> , 271, 012021		3
399	Built environment energy trade-offs scaling. <i>Energy</i> , <b>2017</b> , 141, 1374-1383	7.9	
398	Towards Zero Energy and Zero Emission Buildings Definitions, Concepts, and Strategies. 2017, 4, 63-71		7
397	Building Automation and Control Systems and performance optimization: A framework for analysis. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 75, 313-330	16.2	82
396	Heat pump application in nearly zero energy buildings. <b>2017</b> , 23, 637-650		5
395	A nZEB housing structure derived from end of life containers: Energy, lighting and life cycle assessment. <b>2017</b> , 10, 165-181		11

# (2017-2017)

394	Optimal design of energy conversion units and envelopes for residential building retrofits using a comprehensive MILP model. <i>Applied Energy</i> , <b>2017</b> , 185, 1-15	10.7	42
393	A general methodology for optimal load management with distributed renewable energy generation and storage in residential housing. <b>2017</b> , 10, 224-241		8
392	Ventilative cooling application in Mediterranean buildings: impacts on grid interaction and load match. <b>2017</b> , 16, 99-111		5
391	An analysis on how proposed requirements for near zero energy buildings manages PV electricity in combination with two different types of heat pumps and its policy implications IA Swedish example. <b>2017</b> , 101, 10-19		22
390	Analysis of the impact resolution has on load matching in the Norwegian context. <b>2017</b> , 132, 610-615		3
389	Obtaining a NZEB in Mediterranean climate by using only on-site renewable energy: is it a realistic goal?. <b>2017</b> , 140, 23-35		9
388	Towards zero-energy buildings and neighbourhoods [A combination of energy-efficiency and local renewable energy production. <b>2017</b> , 26, 1313-1318		6
387	Energy Positivity and Flexibility in Districts. <b>2017</b> , 7-30		2
386	. 2017,		5
385	Solution Validation for a Double Fallde Prototype. <i>Energies</i> , <b>2017</b> , 10, 2013	3.1	3
384	Using Specification and Description Language for Life Cycle Assesment in Buildings. <i>Sustainability</i> , <b>2017</b> , 9, 1004	3.6	3
383	Nearly Zero Energy Standard for Non-Residential Buildings with high Energy Demands An Empirical Case Study Using the State-Related Properties of BAVARIA. <i>Buildings</i> , <b>2017</b> , 7, 25	3.2	3
382	Redesign of a Rural Building in a Heritage Site in Italy: Towards the Net Zero Energy Target. <i>Buildings</i> , <b>2017</b> , 7, 68	3.2	26
381	Two Methods for Normalisation of Measured Energy Performancellesting of a Net-Zero Energy Building in Sweden. <i>Buildings</i> , <b>2017</b> , 7, 86	3.2	7
380	An Assisted Workflow for the Early Design of Nearly Zero Emission Healthcare Buildings. <i>Energies</i> , <b>2017</b> , 10, 993	3.1	8
379	Demand Side Management in Nearly Zero Energy Buildings Using Heuristic Optimizations. <i>Energies</i> , <b>2017</b> , 10, 1131	3.1	34
378	PV Hosting Capacity Analysis and Enhancement Using High Resolution Stochastic Modeling. <i>Energies</i> , <b>2017</b> , 10, 1488	3.1	14
377	Optimal Design of a Multi-Carrier Microgrid (MCMG) Considering Net Zero Emission. <i>Energies</i> , <b>2017</b> , 10, 2109	3.1	14

376	Load-match-driven design improvement of solar PV systems and its impact on the grid with a case study. <b>2017</b> ,		3
375	Design of zero energy consumption home system in Bangkok for energy efficient plan 2015. <b>2017</b> ,		
374	A Cellular Approach to Net-Zero Energy Cities. <i>Energies</i> , <b>2017</b> , 10, 1826	3.1	14
373	Integrating a hydrogen fuel cell electric vehicle with vehicle-to-grid technology, photovoltaic power and a residential building. <i>Applied Energy</i> , <b>2018</b> , 215, 615-629	10.7	110
372	Energy flexible buildings: An evaluation of definitions and quantification methodologies applied to thermal storage. <i>Energy and Buildings</i> , <b>2018</b> , 166, 372-390	7	93
371	Parametric design to minimize the embodied GHG emissions in a ZEB. <i>Energy and Buildings</i> , <b>2018</b> , 167, 106-123	7	51
370	Paying for Energy. <b>2018</b> , 137-157		2
369	Activity-aware HVAC power demand forecasting. <i>Energy and Buildings</i> , <b>2018</b> , 170, 15-24	7	22
368	Green public procurement 🖪 case study of an innovative building project in Norway. <b>2018</b> , 188, 879-887	,	37
367	Approaching net zero energy housing through integrated EV. Sustainable Cities and Society, <b>2018</b> , 38, 534-542	10.1	42
366	Embodied Carbon Measurement, Mitigation and Management Within Europe, Drawing on a Cross-Case Analysis of 60 Building Case Studies. <b>2018</b> , 443-462		1
365	Embodied Carbon in Buildings. <b>2018</b> ,		13
364	Selecting HVAC Systems to Achieve Comfortable and Cost-effective Residential Net-Zero Energy Buildings. <i>Applied Energy</i> , <b>2018</b> , 212, 577-591	10.7	65
363	Esubstituted ZnII porphyrins as dyes for DSSC: A possible approach to photovoltaic windows. <b>2018</b> , 358, 153-177		61
362	Eco-feedback for thermal comfort and cost efficiency in a nearly zero-energy residence in Guilin, China. <i>Energy and Buildings</i> , <b>2018</b> , 173, 1-10	7	10
361	Towards the development of a net-zero energy district evaluation approach: A review of sustainable approaches and assessment tools. <i>Sustainable Cities and Society</i> , <b>2018</b> , 39, 784-800	10.1	41
360	. <b>2018</b> , 106, 594-612		28
359	Is a net life cycle balance for energy and materials achievable for a zero emission single-family building in Norway?. <i>Energy and Buildings</i> , <b>2018</b> , 168, 457-469	7	19

358	Housing stock in cold-climate countries: Conversion challenges for net zero emission buildings. <i>Applied Energy</i> , <b>2018</b> , 217, 88-100	10.7	18
357	Simulation model to find the best comfort, energy and cost scenarios for building refurbishment. <b>2018</b> , 11, 205-222		2
356	Thermoelectric applications for energy harvesting in domestic applications and micro-production units. Part I: Thermoelectric concepts, domestic boilers and biomass stoves. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 98, 519-544	16.2	14
355	Vernacular and bioclimatic architecture and indoor thermal comfort implications in hot-humid climates: An overview. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 1726-1736	16.2	31
354	Technical and economic evaluation of thin-film CdTe building-integrated photovoltaics (BIPV) replacing fa\(^1\)de and rooftop materials in office buildings in a warm and sunny climate. <i>Renewable Energy</i> , <b>2018</b> , 118, 84-98	8.1	73
353	Influence of occupant behavior and operation on performance of a residential Zero Emission Building in Norway. <i>Energy and Buildings</i> , <b>2018</b> , 159, 75-88	7	24
352	A review of Net Zero Energy Buildings with reflections on the Australian context. <i>Energy and Buildings</i> , <b>2018</b> , 158, 616-628	7	95
351	Energy performance analysis of an office building in three climate zones. <i>Energy and Buildings</i> , <b>2018</b> , 158, 1023-1035	7	20
350	Cost-security analysis dedicated for the off-grid electricity system. Renewable Energy, 2018, 115, 871-8	<b>79</b> .1	12
349	A multi-objective optimization design method in zero energy building study: A case study concerning small mass buildings in cold district of China. <i>Energy and Buildings</i> , <b>2018</b> , 158, 1613-1624	7	22
348	Design and economic analysis of liquid cooled data centres for waste heat recovery: A case study for an indoor swimming pool. <i>Sustainable Cities and Society</i> , <b>2018</b> , 36, 185-203	10.1	30
347	Comparative emission analysis of low-energy and zero-emission buildings. 2018, 46, 367-382		22
346	Energy and exergy analysis of prosumers in hybrid energy grids. 2018, 46, 668-685		7
345	Development of a Dimming Lighting Control System Using General Illumination and Location-Awareness Technology. <i>Energies</i> , <b>2018</b> , 11, 2999	3.1	9
344	Mapping Relevant Parameters for Efficient Operation of Low-Temperature Heating Systems in Nordic Single-Family Dwellings. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1973	2.6	1
343	Sustainability Assessment of Smart Materials in Buildings. <b>2018</b> , 940, 133-140		2
342	Ambition Levels of Nearly Zero Energy Buildings (nZEB) Definitions: An Approach for Cross-Country Comparison. <i>Buildings</i> , <b>2018</b> , 8, 143	3.2	12
341	A review of zero energy housing regulations for low-income households. <b>2018</b> , 9, 343		1

340	Accomplishing Approximately Zero Energy Buildings with Battery Storage Using FLANN Optimization. <b>2018</b> ,		2
339	Choosing the best natured strategy with the highest thermodynamic potential for application in building thermal envelope using MCA analysis. <b>2018</b> , 152, 450-455		2
338	. 2018,		29
337	Towards Zero Energy Stadiums: The Case Study of the Dacia Arena in Udine, Italy. <i>Energies</i> , <b>2018</b> , 11, 2396	3.1	18
336	An Overview of Internet of Energy (IoE) Based Building Energy Management System. 2018,		6
335	CONCEPT & WILLINGNESS TO ADOPT ZERO ENERGY BUILDINGS. 2018, 11, 1-7		3
334	Development of Window-Mounted Air Cap Roller Module. <i>Energies</i> , <b>2018</b> , 11, 1909	3.1	3
333	Matching of Local Load with On-Site PV Production in a Grid-Connected Residential Building. <i>Energies</i> , <b>2018</b> , 11, 2409	3.1	15
332	Evaluating Power Reliability Dedicated for Sudden Disruptions: Its Application to Determine Capacity on the Basis of Energy Security. <i>Sustainability</i> , <b>2018</b> , 10, 2059	3.6	4
331	Conversion of University Commercial Buildings to Net-Zero Energy Buildings Employing Renewable Energy Sources. <b>2018</b> ,		Ο
330	Net-zero Nation: HVAC and PV Systems for Residential Net-Zero Energy Buildings across the United States. <i>Energy Conversion and Management</i> , <b>2018</b> , 177,	10.6	56
329	Sustainability metrics for commercial buildings in Sweden. <b>2018</b> , 36, 521-543		1
328	Potential to reduce energy consumption and GHG emissions by using renewable energy technologies in the conversion of existing houses into net-zero and near net-zero energy buildings. <b>2018</b> ,		1
327	Electricity self-sufficiency of single-family houses in Germany and the Czech Republic. <i>Applied Energy</i> , <b>2018</b> , 228, 902-915	10.7	17
326	Review on performance aspects of nearly zero-energy districts. <i>Sustainable Cities and Society</i> , <b>2018</b> , 43, 406-420	10.1	56
325	Integrating hourly life-cycle energy and carbon emissions of energy supply in buildings. <i>Sustainable Cities and Society</i> , <b>2018</b> , 43, 305-316	10.1	15
324	Review of district-scale energy performance analysis: Outlooks towards holistic urban frameworks. <i>Sustainable Cities and Society</i> , <b>2018</b> , 41, 252-264	10.1	23
323	Optimal dimensioning of a solar PV plant with measured electrical load curves in Finland. <i>Solar Energy</i> , <b>2018</b> , 170, 113-123	6.8	21

### (2018-2018)

322	Optimization model for evaluating on-site renewable technologies with storage in zero/nearly zero energy buildings. <i>Energy and Buildings</i> , <b>2018</b> , 172, 505-516	7	17
321	A case study on the impact of nearly Zero-Energy Buildings on distribution transformer aging. <i>Energy</i> , <b>2018</b> , 157, 669-678	7.9	9
320	Integrated Design and Retrofit of Buildings. <b>2018</b> , 313-384		
319	Characterizing the essential materials and energy performance of city buildings: A case study of Macau. <b>2018</b> , 194, 263-276		12
318	Ground heat exchangers: Applications, technology integration and potentials for zero energy buildings. <i>Renewable Energy</i> , <b>2018</b> , 128, 337-349	8.1	52
317	A systems simulation framework to realize net-zero building energy retrofits. <i>Sustainable Cities and Society</i> , <b>2018</b> , 41, 405-420	10.1	22
316	A Review of Internet of Energy Based Building Energy Management Systems: Issues and Recommendations. <b>2018</b> , 6, 38997-39014		95
315	References. <b>2018</b> , 503-587		
314	A top-down control method of nZEBs for performance optimization at nZEB-cluster-level. <i>Energy</i> , <b>2018</b> , 159, 891-904	7.9	27
313	The Zero Energy concept: making the whole greater than the sum of the parts to meet the Paris Climate Agreement's objectives. <b>2018</b> , 30, 138-150		8
312	Load-match-driven design of solar PV systems at high latitudes in the Northern hemisphere and its impact on the grid. <i>Solar Energy</i> , <b>2018</b> , 173, 377-397	6.8	15
311	On the Influence of Thermal Mass and Natural Ventilation on Overheating Risk in Offices. <i>Buildings</i> , <b>2018</b> , 8, 47	3.2	20
310	Local Energy Management and Optimization: A Novel Energy Universal Service Bus System Based on Energy Internet Technologies. <i>Energies</i> , <b>2018</b> , 11, 1160	3.1	14
309	A Smartphone Application for Personalized and Multi-Method Interventions toward Energy Saving in Buildings. <i>Sustainability</i> , <b>2018</b> , 10, 1744	3.6	6
308	Response-surface-model-based system sizing for Nearly/Net zero energy buildings under uncertainty. <i>Applied Energy</i> , <b>2018</b> , 228, 1020-1031	10.7	45
307	Exploration of Adaptive Origami Shading Concepts through Integrated Dynamic Simulations. <b>2018</b> , 24, 04018022		21
306	Standards and policies for very high energy efficiency in the urban building sector towards reaching the 1.5°C target. <b>2018</b> , 30, 103-114		16
305	Optimization approaches and climates investigations in NZEBA review. <b>2018</b> , 11, 923-952		36

304	Influence of time resolution in the estimation of self-consumption and self-sufficiency of photovoltaic facilities. <i>Applied Energy</i> , <b>2018</b> , 229, 990-997	10.7	11
303	RETRACTED: Thermal performance of super-insulated precast concrete structural sandwich panels. <i>Energy and Buildings</i> , <b>2018</b> , 176, 418-430	7	4
302	Potential Energy Solutions for Better Sustainability. 2018, 3-37		5
301	Smart distribution networks, demand side response, and community energy systems: Field trial experiences and smart grid modeling advances in the United Kingdom. <b>2018</b> , 275-311		1
300	Evolution of Definitions and Approaches. <b>2018</b> , 21-51		4
299	5.11 Smart Energy Management. <b>2018</b> , 423-456		3
298	Energy integration of CO2 networks and power to gas for emerging energy autonomous cities in Europe. <i>Energy</i> , <b>2018</b> , 157, 830-842	7.9	22
297	A comprehensive analysis on definitions, development, and policies of nearly zero energy buildings in China. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 114, 109314	16.2	69
296	The The Methodology of Thermal Energy Management for Nearly Zero Energy Buildings. 2019,		2
295	A review of net zero energy buildings in hot and humid climates: Experience learned from 34 case study buildings. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 114, 109303	16.2	82
294	Investigations of climate change impacts on net-zero energy building lifecycle performance in typical Chinese climate regions. <i>Energy</i> , <b>2019</b> , 185, 176-189	7.9	21
293	Factor analysis on variables effecting energy consumption for retrofitting initiative at highway rest and service areas Malaysia. <b>2019</b> ,		
292	A building integrated solar thermal collector with active steel skins. <i>Energy and Buildings</i> , <b>2019</b> , 201, 134-147	7	8
291	Development and improvement of occupant behavior models towards realistic building performance simulation: A review. <i>Sustainable Cities and Society</i> , <b>2019</b> , 50, 101685	10.1	37
290	Energy balance evaluation and optimization of photovoltaic systems for zero energy residential buildings in different climate zones of China. <b>2019</b> , 235, 1202-1215		26
289	Smart energy management of combined ventilation systems in a nZEB. <b>2019</b> , 111, 01050		3
288	Control strategy for battery-supported photovoltaic systems aimed at peak load reduction. <b>2019</b> , 111, 05027		
287	Zero Energy in the Built Environment: A Holistic Understanding. <i>Applied Sciences (Switzerland</i> ), <b>2019</b> , 9, 3375	2.6	4

286	An agent-based approach to modeling zero energy communities. <i>Solar Energy</i> , <b>2019</b> , 191, 193-204	6.8	20
285	The Zero-Energy Idea in Districts: Application of a Methodological Approach to a Case Study of Epinlieu (Mons). <i>Sustainability</i> , <b>2019</b> , 11, 4814	3.6	2
284	Photonic Design and Electrical Evaluation of Dual-Functional Solar Cells for Energy Conversion and Display Applications. <b>2019</b> , 14, 70		6
283	Net Zero Energy Retrofit Shading Strategies of Buildings in Gaza, Case Study: Multi-Storey Residential Buildings. <b>2019</b> ,		1
282	A parametric approach to optimizing urban form, energy balance and environmental quality: The case of Mediterranean districts. <i>Applied Energy</i> , <b>2019</b> , 254, 113637	10.7	43
281	Towards the nearly zero and the plus energy building: Primary energy balances and economic evaluations. <b>2019</b> , 13, 100400		15
280	Potential of energy flexible buildings: Evaluation of DSM strategies using building thermal mass. <i>Energy and Buildings</i> , <b>2019</b> , 203, 109442	7	20
279	Sustainable Water Use in Construction. <b>2019</b> , 211-235		1
278	Exploring the pathway from zero-energy to zero-emission building solutions: A case study of a Norwegian office building. <i>Energy and Buildings</i> , <b>2019</b> , 188-189, 84-97	7	35
277	Fenestration refurbishment of an educational building: Experimental and numerical evaluation of daylight, thermal and building energy performance. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100803	5.2	5
276	Zero energy building (ZEB) in a cooling dominated climate of Oman: Design and energy performance analysis. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 112, 299-316	16.2	26
275	Solution-Processed Semitransparent Organic Photovoltaics: From Molecular Design to Device Performance. <b>2019</b> , 31, e1900904		117
274	Investigating the potential impact of energy-efficient measures for retrofitting existing UK hotels to reach the nearly zero energy building (nZEB) standard. <b>2019</b> , 12, 1577-1594		20
273	A novel energy index to assess the impact of a solar PV-based ground source heat pump on the power grid. <i>Renewable Energy</i> , <b>2019</b> , 143, 488-500	8.1	22
272	Literature Review of Net Zero and Resilience Research of the Urban Environment: A Citation Analysis Using Big Data. <i>Energies</i> , <b>2019</b> , 12, 1539	3.1	6
271	Combined Solar Thermochemical Solid/Gas Energy Storage Process for Domestic Thermal Applications: Analysis of Global Performance. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 1946	2.6	1
270	A review of performance of zero energy buildings and energy efficiency solutions. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100772	5.2	116
269	Perspectives on industrialized transportable solar powered zero energy buildings. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 108, 112-124	16.2	15

268	Evidence-based ranking of green building design factors according to leading energy modelling tools. <i>Sustainable Cities and Society</i> , <b>2019</b> , 47, 101491	10.1	12
267	Dynamic analysis of the integration of electric vehicles in efficient buildings fed by renewables. <i>Applied Energy</i> , <b>2019</b> , 245, 31-50	10.7	42
266	Economic model predictive control for demand flexibility of a residential building. <i>Energy</i> , <b>2019</b> , 176, 365-379	7.9	37
265	New method for the early design of BIPV with electric storage: A case study in northern Italy. <i>Sustainable Cities and Society</i> , <b>2019</b> , 48, 101400	10.1	25
264	Measured and modeled performance of internal mass as a thermal energy battery for energy flexible residential buildings. <i>Applied Energy</i> , <b>2019</b> , 239, 252-267	10.7	23
263	Analysis of energy consumption improvements of a zero-energy building in a humid mountainous area. <b>2019</b> , 11, 015103		38
262	Assessment of technical-financial analysis of a zero energy building for Brazilian hot and temperate tropical climate. <b>2019</b> , 609, 072013		1
261	Re-designing a temporary pavilion into a NZEB open lab for a university campus. <b>2019</b> , 609, 072025		
260	Economic optimization of micro-grid operations by dynamic programming with real energy forecast. <b>2019</b> , 1343, 012067		2
259	The Norwegian ZEB definition and lessons learnt from nine pilot zero emission building projects. <b>2019</b> , 352, 012026		1
258	Opportunities for Local Energy Supply in Norway: A Case Study of a University Campus Site. <b>2019</b> , 352, 012039		
257	Potential Reconstruction Design of an Existing Townhouse in Washington DC for Approaching Net Zero Energy Building Goal. <i>Sustainability</i> , <b>2019</b> , 11, 6631	3.6	13
256	Maximizing the degree of autarky of a 16 house neighbourhood by locally produced energy and smart control. <b>2019</b> , 20, 100270		0
255	A Survey on Power Grid Faults and Their Origins: A Contribution to Improving Power Grid Resilience. <i>Energies</i> , <b>2019</b> , 12, 4667	3.1	10
254	Towards Net Zero Energy Buildings: building performance optimization, simulation and analysis. <b>2019</b> , 609, 072061		2
253	Electric Load Influence on Performances of a Composite Plant for Hydrogen Production from RES and its Conversion in Electricity. <i>Sustainability</i> , <b>2019</b> , 11, 6362	3.6	2
252	Responsive building envelope concepts in zero emission neighborhoods and smart cities - A roadmap to implementation. <i>Building and Environment</i> , <b>2019</b> , 149, 446-457	6.5	39
251	Impact of renewable energy technologies on the embodied and operational GHG emissions of a nearly zero energy building. <i>Journal of Building Engineering</i> , <b>2019</b> , 22, 439-450	5.2	18

The Impact of Energy Efficient Heating, Ventilation and Air-Conditioning Systems on Energy Performance of University Buildings. **2019**, 106-115

249	A performance evaluation of future low voltage grids in presence of prosumers modelled in high temporal resolution. <i>Sustainable Cities and Society</i> , <b>2019</b> , 44, 702-714	10.1	7
248	Scenario-based modelling of the potential for solar energy charging of electric vehicles in two Scandinavian cities. <i>Energy</i> , <b>2019</b> , 168, 111-125	7.9	16
247	Development and analysis of strategies to facilitate the conversion of Canadian houses into net zero energy buildings. <b>2019</b> , 126, 118-130		11
246	From Efficient to Sustainable and Zero Energy Consumption Buildings. <b>2019</b> , 75-205		4
245	A Digital-Twin Evaluation of Net Zero Energy Building for Existing Buildings. <i>Sustainability</i> , <b>2019</b> , 11, 159	3.6	57
244	Northern European nearly zero energy building concepts for apartment buildings using integrated solar technologies and dynamic occupancy profile: Focus on Finland and other Northern European countries. <i>Applied Energy</i> , <b>2019</b> , 237, 598-617	10.7	46
243	Waste heat recovery from urban air cooled data centres to increase energy efficiency of district heating networks. <i>Sustainable Cities and Society</i> , <b>2019</b> , 45, 522-542	10.1	25
242	Modeling and analyses of energy performances of photovoltaic greenhouses with sun-tracking functionality. <i>Applied Energy</i> , <b>2019</b> , 233-234, 424-442	10.7	32
241	Technological-Economic and Social Measures to Decrease Energy Consumption by the Building Sector. <b>2019</b> , 199-222		1
240	What is a Nearly zero energy building? Overview, implementation and comparison of definitions. <i>Journal of Building Engineering</i> , <b>2019</b> , 21, 200-212	5.2	134
239	Building a dwelling that remains carbon-neutral over its lifetime 🛭 case study in Kinmen. <b>2019</b> , 208, 522-529		5
238	Building to vehicle to building concept toward a novel zero energy paradigm: Modelling and case studies. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 101, 625-648	16.2	65
237	Application and suitability analysis of the key technologies in nearly zero energy buildings in China. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 101, 329-345	16.2	145
236	Multi-party energy management and economics of integrated energy microgrid with PV/T and combined heat and power system. <b>2019</b> , 13, 451-461		16
235	Determination of the economical insulation thickness of building envelopes simultaneously in energy-saving renovation of existing residential buildings. <b>2019</b> , 41, 665-676		6
234	The Power of Diversity: Data-Driven Robust Predictive Control for Energy-Efficient Buildings and Districts. <b>2019</b> , 27, 132-145		17
233	Transitioning to a 100% renewable energy system in Denmark by 2050: assessing the impact from expanding the building stock at the same time. <b>2019</b> , 12, 37-55		16

232	Review of control strategies for improving the energy flexibility provided by heat pump systems in buildings. <b>2019</b> , 74, 35-49		52
231	The influence of climate change on renewable energy systems designed to achieve zero energy buildings in the present: A case study in the Brazilian Savannah. <i>Sustainable Cities and Society</i> , <b>2020</b> , 52, 101843	10.1	24
230	A study of life cycle assessment in two old neighbourhoods in Belgium. <i>Sustainable Cities and Society</i> , <b>2020</b> , 52, 101744	10.1	7
229	Energy saving potentials of a photovoltaic assisted heat pump for hybrid building heating system via optimal control. <i>Journal of Building Engineering</i> , <b>2020</b> , 27, 100854	5.2	12
228	Grid interaction and environmental impact of a net zero energy building. <i>Energy Conversion and Management</i> , <b>2020</b> , 203, 112228	10.6	35
227	A review of hierarchical control for building microgrids. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 118, 109523	16.2	55
226	Towards net zero energy in industrial and commercial buildings in Portugal. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 119, 109580	16.2	13
225	Building to Vehicle to Building concept: A comprehensive parametric and sensitivity analysis for decision making aims. <i>Applied Energy</i> , <b>2020</b> , 261, 114077	10.7	22
224	Retrofitting towards energy-efficient homes in European cold climates: a review. <b>2020</b> , 13, 101-125		12
223	Heuristic optimization for grid-interactive net-zero energy building design through the glowworm swarm algorithm. <i>Energy and Buildings</i> , <b>2020</b> , 208, 109644	7	13
222	Planning as scientific discipline? Digging deep toward the bottom line of the debate. <b>2020</b> , 19, 306-323		6
221	The Energy Performance and Techno-Economic Analysis of Zero Energy Bill Homes. <i>Energy and Buildings</i> , <b>2020</b> , 228, 110426	7	3
220	Reducing Voltage Losses in the A-DA?D-A Acceptor-Based Organic Solar Cells. <b>2020</b> , 6, 2147-2161		73
219	Building Energy Renovation and Smart Integration of Renewables in a Social Housing Block Toward Nearly-Zero Energy Status. <b>2020</b> , 8,		2
218	Luminescent Solar Concentrators from Waterborne Polymer Coatings. <b>2020</b> , 10, 655		6
217	From energy performative to livable Mediterranean cities: An annual outdoor thermal comfort and energy balance cross-climatic typological study. <i>Energy and Buildings</i> , <b>2020</b> , 224, 110283	7	13
216	A Hybrid Optimization Approach for Autonomy Enhancement of Nearly-Zero-Energy Buildings Based on Battery Performance and Artificial Neural Networks. <i>Energies</i> , <b>2020</b> , 13, 3680	3.1	8
215	Benefits For Public Healthcare Buildings towards Net Zero Energy Buildings (NZEBs): Initial Reviews. <b>2020</b> , 713, 012042		1

214	The Use of Ground Source Heat Pump to Achieve a Net Zero Energy Building. <i>Energies</i> , <b>2020</b> , 13, 3450	3.1	17
213	Building-Integrated Photovoltaics (BIPV) in Historical Buildings: Opportunities and Constraints. <i>Energies</i> , <b>2020</b> , 13, 3628	3.1	14
212	Control Scheme for a Hybrid Energy Storage System Employed in a Grid-Tied DC Nano-grid. <b>2020</b> ,		О
211	A collaborative project delivery method for design of a high-performance building. <b>2020</b> , 13, 1141-1165	;	7
210	The applicability of nearly/net zero energy residential buildings in Brazil 🖪 study of a low standard dwelling in three different Brazilian climate zones. <b>2020</b> , 1420326X2096115		3
209	Indoor environmental quality in existing public buildings in China: Measurement results and retrofitting priorities. <i>Building and Environment</i> , <b>2020</b> , 185, 107216	6.5	3
208	Application of Optimal Energy Management Strategies for a Building Powered by PV/Battery System in Corsica Island. <i>Energies</i> , <b>2020</b> , 13, 4510	3.1	6
207	Contrasting Definitions of High Energy Performance Buildings. <b>2020</b> , 172, 16005		1
206	The integration of selected technology to energy activated ETICS - theoretical approach. <b>2020</b> , 172, 210	004	
205	Economic Comparison Between a Stand-Alone and a Grid Connected PV System vs. Grid Distance. <i>Energies</i> , <b>2020</b> , 13, 3846	3.1	4
204	Design and Performance Analysis of a Lightweight Flexible nZEB. Sustainability, 2020, 12, 5986	3.6	2
203	Simulation on Lighting Energy Consumption based on Building Information Modelling for Energy Efficiency at Highway Rest and Service Areas Malaysia. <b>2020</b> , 943, 012062		
202	Cost Optimization of a Zero-Emission Office Building. <i>Buildings</i> , <b>2020</b> , 10, 222	3.2	0
201	Testing Platforms as Drivers for Positive-Energy Living Laboratories. <i>Energies</i> , <b>2020</b> , 13, 5621	3.1	7
200	Prediction for Overheating Risk Based on Deep Learning in a Zero Energy Building. <i>Sustainability</i> , <b>2020</b> , 12, 8974	3.6	4
199	The impact of thermophysical properties and hysteresis effects on the energy performance simulation of PCM wallboards: Experimental studies, modelling, and validation. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 126, 109807	16.2	14
198	The multi-energy system co-planning of nearly zero-energy districts (\$\frac{1}{2}\text{status-quo} and future research potential. Applied Energy, <b>2020</b> , 267, 114953	10.7	25
197	Light angle dependence of photothermal properties in oxide and porphyrin thin films for energy-efficient window applications. <b>2020</b> , 10, 439-448		10

196	Multiple criteria assessment of methods for forecasting building thermal energy demand. <i>Energy and Buildings</i> , <b>2020</b> , 224, 110220	7	6
195	Performance Evaluation and Design of Thermo-Responsive SMP Shading Prototypes. <i>Sustainability</i> , <b>2020</b> , 12, 4391	3.6	3
194	Detailed energy efficiency strategies for converting an existing office building to NZEB: a case study in the Pacific Northwest. <b>2020</b> , 13, 1089-1104		5
193	An Updated Review on Net-Zero Energy and Water Buildings: Design and Operation. <b>2020</b> , 267-290		4
192	Nearly zero energy target and indoor comfort in Mediterranean climate: Discussion based on monitoring data for a real case study. <i>Sustainable Cities and Society</i> , <b>2020</b> , 61, 102349	10.1	5
191	Techno-economic performance analysis of zero energy house applications with home energy management system in Japan. <i>Energy and Buildings</i> , <b>2020</b> , 214, 109862	7	18
190	Differential evolution - based system design optimization for net zero energy buildings under climate change. <i>Sustainable Cities and Society</i> , <b>2020</b> , 55, 102037	10.1	8
189	Energy-Saving Potential of Applying Prefabricated Straw Bale Construction (PSBC) in Domestic Buildings in Northern China. <i>Sustainability</i> , <b>2020</b> , 12, 3464	3.6	5
188	Food-Energy-Water Nexus Resilience and Sustainable Development. 2020,		4
187	Hourly operational assessment of HVAC systems in Mediterranean Nearly Zero-Energy Buildings: Experimental evaluation of the potential of ground cooling of ventilation air. <i>Renewable Energy</i> , <b>2020</b> , 155, 950-968	8.1	12
186	Technological options and strategies towards zero energy buildings contributing to climate change mitigation: A systematic review. <i>Energy and Buildings</i> , <b>2020</b> , 219, 110009	7	62
185	Rooftop extension as a solution to reach nZEB in building renovation. Application through typology classification at a neighborhood level. <i>Sustainable Cities and Society</i> , <b>2020</b> , 57, 102109	10.1	11
184	Solar energy systems: An approach to zero energy buildings. <b>2021</b> , 89-170		
183	Toward comprehensive zero energy building definitions: a literature review and recommendations. <b>2021</b> , 40, 120-148		16
182	Towards nearly zero-energy residential neighbourhoods in the European Union: A case study. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110198	16.2	32
181	A parametric method using vernacular urban block typologies for investigating interactions between solar energy use and urban design. <i>Renewable Energy</i> , <b>2021</b> , 165, 823-841	8.1	12
180	Energy master planning for net-zero emission communities: State of the art and research challenges. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 137, 110600	16.2	9
179	Towards active buildings: Rating grid-servicing buildings. <b>2021</b> , 42, 129-155		4

### (2021-2021)

178	Comparison between experiment and simulation for the development of a Tri-generation system using photovoltaic-thermal and ground source heat pump. <i>Energy and Buildings</i> , <b>2021</b> , 231, 110623	7	6
177	Examining the benefits and barriers for the implementation of net zero energy settlements. <i>Energy and Buildings</i> , <b>2021</b> , 230, 110564	7	14
176	Evaluating Energy Targets and Efficiency Measures in Multifamily Subtropical Buildings through Automated Simulation. <b>2021</b> , 5, 82-95		
175	Net Zero Energy Building (NZEB) Design. <b>2021</b> , 102, 237-247		1
174	Tailoring Future Climate Data for Building Energy Simulation. <b>2021</b> , 115-139		
173	Introduction and Motivations. <b>2021,</b> 1-22		
172	A comprehensive review on green buildings research: bibliometric analysis during 1998-2018. <b>2021</b> , 28, 46196-46214		13
171	Analysis of PV Self-Consumption in Educational and Office Buildings in Spain. <i>Sustainability</i> , <b>2021</b> , 13, 1662	3.6	4
170	An analytical framework of "zero waste construction site": Two case studies of Shenzhen, China. <b>2021</b> , 121, 343-353		13
169	Designing a BIM energy-consumption template to calculate and achieve a net-zero-energy house. <i>Solar Energy</i> , <b>2021</b> , 216, 315-320	6.8	12
168	An information sharing strategy based on linked data for net zero energy buildings and clusters. <b>2021</b> , 124, 103592		4
167	Achieving zero-energy building performance with thermal and visual comfort enhancement through optimization of fenestration, envelope, shading device, and energy supply system. <b>2021</b> , 44, 101020		25
166	How to define (net) zero greenhouse gas emissions buildings: The results of an international survey as part of IEA EBC annex 72. <i>Building and Environment</i> , <b>2021</b> , 192, 107619	6.5	13
165	Optimization Analysis of the Residential Window-to-Wall Ratio Based on Numerical Calculation of Energy Consumption in the Hot-Summer and Cold-winter Zone of China. <i>Sustainability</i> , <b>2021</b> , 13, 6138	3.6	1
164	Intelligent Buildings in Smart Grids: A Survey on Security and Privacy Issues Related to Energy Management. <i>Energies</i> , <b>2021</b> , 14, 2733	3.1	4
163	Mass Customisation for Zero-Energy Housing. Sustainability, 2021, 13, 5616	3.6	2
162	Role of BIM and energy simulation tools in designing zero-net energy homes. 2021, ahead-of-print,		4
161	Residential Net-Zero Energy Buildings: Review and Perspective. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 142,	16.2	42

160	Net Zero Energy Buildings: Variations, Clarifications, and Requirements in Response to the Paris Agreement. <i>Energies</i> , <b>2021</b> , 14, 3760	3.1	8
159	Zero Energy Building Economic and Energetic Assessment with Simulated and Real Data Using Photovoltaics and Water Flow Glazing. <i>Energies</i> , <b>2021</b> , 14, 3272	3.1	О
158	Attitudes and Approaches of Finnish Retrofit Industry Stakeholders toward Achieving Nearly Zero-Energy Buildings. <i>Sustainability</i> , <b>2021</b> , 13, 7359	3.6	1
157	Who drives green innovations? Characteristics and policy implications for green building collaborative innovation networks in China. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 143, 1108	75 <sup>6.2</sup>	26
156	Feasibility of zero-energy affordable housing. <i>Energy and Buildings</i> , <b>2021</b> , 241, 110919	7	7
155	Simplified evaluation metrics for generative energy-driven urban design: A morphological study of residential blocks in Tel Aviv. <i>Energy and Buildings</i> , <b>2021</b> , 240, 110916	7	6
154	Historical building renovation and PV optimisation towards NetZEB in Sweden. <i>Solar Energy</i> , <b>2021</b> , 223, 248-260	6.8	6
153	Analysis and optimization of external venetian blind shading for nearly zero-energy buildings in different climate regions of China. <i>Solar Energy</i> , <b>2021</b> , 223, 54-71	6.8	13
152	Drivers, barriers and strategies for zero carbon buildings in high-rise high-density cities. <i>Energy and Buildings</i> , <b>2021</b> , 242, 110970	7	9
151	Net Zero Energy Consumption building in India: An overview and initiative toward sustainable future. 1-18		5
150	A review on zero energy buildings IPros and cons. 2021,		12
149	Net Zero Energy Buildings. <b>2021</b> , 195-216		
148	A modelling approach and a case study to answer the question: What does it take to retrofit a community to net-zero energy?. <i>Journal of Building Engineering</i> , <b>2021</b> , 40, 102296	5.2	3
147	State-of-the-Art Review of Positive Energy Building and Community Systems. <i>Energies</i> , <b>2021</b> , 14, 5046	3.1	8
146	Analytical model of semi-transparent photovoltaic double-skin fa\(\textit{a}\)de system (STPV-DSF) for natural and forced ventilation modes. 1-30		1
145	A consistent taxonomic framework: towards common understanding of high energy performance building definitions. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 146, 111075	16.2	1
144	Combining Sufficiency, Efficiency and Flexibility to Achieve Positive Energy Districts Targets. <i>Energies</i> , <b>2021</b> , 14, 4697	3.1	5
143	Early stage design for an institutional net zero energy archetype building. Part 1: Methodology, form and sensitivity analysis. <i>Solar Energy</i> , <b>2021</b> , 224, 516-530	6.8	2

### (2013-2021)

142	Net-zero energy buildings: The influence of definition on greenhouse gas emissions. <i>Energy and Buildings</i> , <b>2021</b> , 247, 111118	7	6
141	A Review of Key Performance Indicators for Building Flexibility Quantification to Support the Clean Energy Transition. <i>Energies</i> , <b>2021</b> , 14, 5676	3.1	4
140	Positive Energy Building Definition with the Framework, Elements and Challenges of the Concept. <i>Energies</i> , <b>2021</b> , 14, 6260	3.1	7
139	Four years monitoring of heat pump, solar thermal and PV system in two net-zero energy multi-family buildings. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 103199	5.2	5
138	Solar Decathlon Europe IA review on the energy engineering of experimental solar powered houses. <i>Energy and Buildings</i> , <b>2021</b> , 251, 111336	7	3
137	Affordable housing and clean technology transfer in construction firms in Brazil. <b>2021</b> , 67, 101768		2
136	Performance of a shallow solar pond coupled with a heat pump cycle for thermal energy in net zero-energy buildings. <b>2021</b> , 199, 117601		0
135	Performance investigation of a net-zero energy building in hot summer and cold winter zone. Journal of Building Engineering, <b>2021</b> , 43, 103192	5.2	Ο
134	The role of highly energy-efficient dwellings in enabling 100% renewable electricity. <b>2021</b> , 158, 112565		0
133	Towards zero energy solar households IA model-based simulation and optimization analysis for a humid subtropical climate. <b>2021</b> , 48, 101574		8
132	A framework for retrofitting existing houses to nearly zero energy buildings: Development and a real-life case study. <i>Energy and Buildings</i> , <b>2021</b> , 252, 111438	7	1
131	Towards an integrated design of renewable electricity generation and storage systems for NZEB use: A parametric analysis. <i>Journal of Building Engineering</i> , <b>2021</b> , 44, 103288	5.2	3
130	Net zero energy buildings in New Zealand: Challenges and potentials reviewed against legislative, climatic, technological, and economic factors. <i>Journal of Building Engineering</i> , <b>2021</b> , 44, 102970	5.2	1
129	Zero energy potential of photovoltaic direct-driven air conditioners with considering the load flexibility of air conditioners. <i>Applied Energy</i> , <b>2021</b> , 304, 117821	10.7	3
128	A review of HVAC solution-sets and energy performace of nearly zero-energy multi-story apartment buildings in Nordic climates by statistical analysis of environmental performance certificates and literature review. <i>Energy</i> , <b>2022</b> , 238, 121709	7.9	6
127	Zero energy concept at neighborhood level: A case study analysis. <b>2021</b> , 1, 100002		2
126	Contribution of Water Flow Glazing to Net-Zero Energy Buildings. <b>2021</b> , 21-48		
125	Refurbishment Scenario to Shift Nearly Net ZEBs Toward Net ZEB Target: An Italian Case Study. <b>2013</b> , 233-252		3

124	Regenerative and Positive Impact Architecture Roadmap. 2018, 81-94		1
123	Definitions, Targets, and Key Performance Indicators for New and Renovated Zero Emission Buildings. <b>2018</b> , 35-60		2
122	The Way Forward Moving Toward Net Zero Energy Standards. <i>Green Energy and Technology</i> , <b>2019</b> , 199-216	<b>3</b> 6	2
121	Analysis of embodied energy and product lifespan: the potential embodied power sustainability indicator. <b>2020</b> , 22, 1055-1068		2
120	Design feasibility of a net-zero energy neighborhood in Qazvin. <b>2021</b> , 14, 1		6
119	Considering supply and demand of electric energy in life cycle assessments he review of current methodologies. <b>2015</b> , 103, 105		3
118	A map of roadmaps for zero and low energy and carbon buildings worldwide. <b>2020</b> , 15, 113003		15
117	Energy-related conditions and envelope properties for sustainable buildings. <b>2016</b> , 64, 697-707		1
116	Energy Management-Based Predictive Controller for a Smart Building Powered by Renewable Energy. <i>Sustainability</i> , <b>2020</b> , 12, 4264	.6	7
115	Dynamic Energy Performance Gap Analysis of a University Building: Case Studies at UAE University Campus, UAE. <i>Sustainability</i> , <b>2021</b> , 13, 120	.6	3
114	USE OF GREEN BUILDING INFORMATION MODELING IN THE ASSESSMENT OF NET ZERO ENERGY BUILDING DESIGN. <b>2019</b> , 27, 174-186		3
113	Cuantificacifi de las variables que determinan la huella de carbono y energfi embebida de los distintos productos de cerfinica estructural (cuna a puerta con opciones). <b>2014</b> , 53, 194-206		1
112	IoT-Based Green Building. <b>2020</b> , 184-207		6
111	Net-zero buildings: when carbon and energy metrics diverge. <b>2020</b> , 1, 86-99		4
110	Energy and Emission Implications of Electric Vehicles Integration with Nearly and Net Zero Energy Buildings. <i>Energies</i> , <b>2021</b> , 14, 6990	.1	5
109	Integrated Modelling of Decentralised Energy Supply in Combination with Electric Vehicle Charging in a Real-Life Case Study. <i>Energies</i> , <b>2021</b> , 14, 6874	.1	1
108	Ultra-Wideband Transparent Conductive Electrode for Electrochromic Synergistic Solar and Radiative Heat Management. 3906-3915		11
107	Thermal Resistance of Insulated Precast Concrete Sandwich Panels. <b>2021</b> , 15,		1

106	Cost-Benefit Analysis of Small-Scale Rooftop PV Systems: The Case of Dragotin, Croatia. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9318	6	1	
105	Introduction. <b>2013</b> , 1-14			
104	Energy Consumption and Thermal Behavior of a Light Construction Room-Sized Test Cell. <b>2014</b> , 193-200		O	
103	Nearly Zero Energy Building (nZEB) in Latvia. <b>2014,</b>			
102	INTEGRATED ASSESSMENT OF CHP SYSTEM UNDER DIFFERENT MANAGEMENT OPTIONS FOR COOPERATIVE HOUSING BLOCK IN LOW. <b>2014</b> , 16, 103-116			
101	Towards 2020: Zero-Energy Building for Residential and Non-Residential Buildings. <b>2015</b> , 27-34			
100	Analysis of Electricity Usage for Domestic Heating Based on an Air-to-Water Heat Pump in a Real World Context. <b>2015</b> , 587-596			
99	Office Buildings/Commercial Buildings: Trends and Perspectives. <b>2016</b> , 203-216			
98	Zero Energy Homes. <b>2016</b> , 275-309			
97	The Drive towards Near Zero Energy Buildings through Professional Training in Southern Europe. <b>2016</b> , 649-674			
96	Analysis of Energy Performance of a High-Performance Building in a Local Mediterranean Climatic Context. <b>2017</b> , 681-690			
95	Smart Community Energy Systems for Low Carbon Living. <b>2017</b> , 91-100			
94	Definitions, Targets, and Key Performance Indicators for New and Renovated Zero Emission Buildings. <b>2018</b> , 1-27			
93	Integration of Renewable Energies to Convert University Commercial Buildings to Net-Zero Energy Buildings. <b>2019</b> , 95-105			
92	A Critical Overview of Net Zero Energy Buildings and Fuzzy Cognitive Maps. <b>2019</b> , 537-559			
91	Balancing battery and thermal storage for raised renewable energy penetration for microgrid. <b>2019</b> ,		О	
90	Zero-carbon balance: The case of HouseZero. <i>Building and Environment</i> , <b>2021</b> , 207, 108511 6.	.5	2	
89	Feasibility Study on the Spread of NZEBs Using Economic Incentives. <i>Energies</i> , <b>2021</b> , 14, 7169 3.	1	O	

88 Net Zero Energy Buildings and Low Carbon Emission, a Case of Study of Madagascar Island.

87	An integrated energy simulation and life cycle assessment to measure the operational and embodied energy of a Mediterranean net zero energy building. <i>Energy and Buildings</i> , <b>2022</b> , 254, 111558	3 7	4
86	Carbon reduction in commercial building operations: A provincial retrospection in China. <i>Applied Energy</i> , <b>2022</b> , 306, 118098	10.7	26
85	Positive energy districts: Mainstreaming energy transition in urban areas. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 153, 111782	16.2	10
84	ANALYSIS OF NEARLY ZERO ENERGY RESIDENTIAL BUILDING IN MUSCAT. <i>Journal of Thermal Engineering</i> , 346-358	1.1	
83	Critical Thinking and Collaborative Problem-Solving for Improving Education Performance icase Study Thermal Retrofit to Ensure Health and Wellbeing of Historic Built Environment in Lebanon. <i>Environmental Science and Sustainable Development</i> , <b>2020</b> , 5, 37	1.7	
82	The Drive Towards NEAR Zero Energy Buildings Through Professional Training in Southern Europe. 137	1-139	7
81	Atmosferik Sēf Tabakas Stabilitesinin Bina YBey Sēakl圈erindeki Etkisi. <i>European Journal of Science and Technology</i> ,	0.4	
80	Feasibility of net zero energy high rise apartment buildings in Australia. Solar Energy, 2022, 231, 158-17	<b>'4</b> 6.8	4
79	Research-Based Definition of a PEB. <i>Green Energy and Technology</i> , <b>2022</b> , 19-44	0.6	
78	Smart grids and smart technologies in relation to photovoltaics, storage systems, buildings and the environment. <i>Renewable Energy</i> , <b>2021</b> , 185, 1376-1376	8.1	10
77	Assessment of the renewable energy generation towards net-zero energy buildings: A review. <i>Energy and Buildings</i> , <b>2021</b> , 111755	7	6
76	Analysis of design strategy of energy efficient buildings based on databases by using data mining and statistical metrics approach. <i>Energy and Buildings</i> , <b>2022</b> , 258, 111811	7	O
75	A Review on Various Designing Techniques Used for Net Zero Energy Buildings. <i>Smart Moves Journal Ijoscience</i> , 22-25	O	
74	Net-Zero Energy Districts and the Grid: An Energy-Economic Feasibility Case-Study of the National Western Center in Denver, CO, USA. <i>Buildings</i> , <b>2021</b> , 11, 638	3.2	2
73	Advanced fenestrationEechnologies, performance and building integration. <b>2022</b> , 117-154		
72	Carbon Peak and Carbon Neutrality in the Building Sector: A Bibliometric Review. <i>Buildings</i> , <b>2022</b> , 12, 128	3.2	4
71	Toward ZEB: A Mathematical Programing-, Simulation-, and AHP-Based Comprehensive Framework for Building Retrofitting. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2241	2.6	0

70	Multi-objective optimization design for rural houses in western zones of China. <i>Architectural Science Review</i> , 1-18	2.6	
69	Assessing Responsive Building Envelope Designs through Robustness-Based Multi-Criteria Decision Making in Zero-Emission Buildings. <i>Energies</i> , <b>2022</b> , 15, 1314	3.1	
68	Identifying Knowledge and Process Gaps from a Systematic Literature Review of Net-Zero Definitions. <i>Sustainability</i> , <b>2022</b> , 14, 3057	3.6	1
67	Operational Emissions in Prosuming Dwellings: A Study Comparing Different Sources of Grid CO2 Intensity Values in South Wales, UK. <i>Energies</i> , <b>2022</b> , 15, 2349	3.1	
66	Nearly Zero-Energy and Positive-Energy Buildings: Status and Trends. 2022, 239-273		О
65	Influence of geometric design parameters of double skin fa\( \)de on its thermal and fluid dynamics behavior: A comprehensive review. <i>Solar Energy</i> , <b>2022</b> , 236, 249-279	6.8	3
64	Plus Energy Building: operational definition and assessment. Energy and Buildings, 2022, 112069	7	1
63	A photovoltaic forced ventilated fallde (PV-FVF) as heat source for a heat pump: Assessing its energetical profit in nZEB buildings. <i>Energy and Buildings</i> , <b>2022</b> , 261, 111979	7	1
62	The impact of shadow covering on the rooftop solar photovoltaic system for evaluating self-sufficiency rate in the concept of nearly zero energy building. <i>Sustainable Cities and Society</i> , <b>2022</b> , 80, 103821	10.1	1
61	Renewable energy driven heat pumps decarbonization potential in existing residential buildings: Roadmap and case study of Spain. <i>Energy</i> , <b>2022</b> , 247, 123481	7.9	1
60	Energy balances, thermal performance, and heat stress: Disentangling occupant behaviour and weather influences in a Dutch net-zero energy neighborhood. <i>Energy and Buildings</i> , <b>2022</b> , 263, 112020	7	0
59	A bibliometric review of net zero energy building research 1995\(\textit{0}022\). Energy and Buildings, <b>2022</b> , 262, 111996	7	3
58	Challenges in reaching positive energy building level in apartment buildings in the Nordic climate: A techno-economic analysis. <i>Energy and Buildings</i> , <b>2022</b> , 262, 111991	7	1
57	A comprehensive study of the potential and applicability of photovoltaic systems for zero carbon buildings in Hainan Province, China. <i>Solar Energy</i> , <b>2022</b> , 238, 371-380	6.8	O
56	Integrated assessment across building and urban scales: A review and proposal for a more holistic, multi-scale, system-of-systems approach. <i>Sustainable Cities and Society</i> , <b>2022</b> , 82, 103915	10.1	2
55	Obtaining the NZEB target by using photovoltaic systems on the roof for multi-storey buildings. <i>Energy and Buildings</i> , <b>2022</b> , 267, 112147	7	0
54	Review of global research advances towards net-zero emissions buildings. <i>Energy and Buildings</i> , <b>2022</b> , 266, 112142	7	3
53	Net-zero-energy buildings or zero-carbon energy systems? How best to decarbonize Germany's thermally inefficient 1950s-1970s-era apartments. <i>Journal of Building Engineering</i> , <b>2022</b> , 54, 104671	5.2	О

52	Effects of Energetic Disorder in Bulk Heterojunction Organic Solar Cells. <i>Energy and Environmental Science</i> ,	35.4	7
51	Virtual Performance Evaluation of Net-Zero Energy Building (NZEB) Using BIM Analysis. 2022,		
50	Net Zero Energy Housing: An Empirical Analysis from Measured Data. Energy and Buildings, 2022, 11227	'5 <sub>7</sub>	O
49	Fixed and tracking PV systems for net Zero Energy Buildings: Comparison between yearly and monthly energy balance. <i>Renewable Energy</i> , <b>2022</b> ,	8.1	O
48	Feasibility and retrofit guidelines towards net-zero energy buildings in tropical climates: A case of Ghana. <i>Energy and Buildings</i> , <b>2022</b> , 269, 112252	7	О
47	Performance assessment method for roof-integrated TSSCs. <i>Applied Energy</i> , <b>2022</b> , 322, 119454	10.7	O
46	A solar-assisted low-temperature district heating and cooling network coupled with a ground-source heat pump. <i>Energy Conversion and Management</i> , <b>2022</b> , 267, 115838	10.6	1
45	Thermal ComfortCase Study in a Lightweight Passive House. <i>Energies</i> , <b>2022</b> , 15, 4687	3.1	
44	Extending DC Bus Signaling and Droop Control for Hybrid Storage Units to Improve the Energy Management and Voltage Regulation. <i>Inventions</i> , <b>2022</b> , 7, 55	2.9	
43	Parametric analysis on performances of the pipe-encapsulated PCM (PenPCM) wall system coupled with gravity heat-pipe and nocturnal radiant cooler. <i>Renewable Energy</i> , <b>2022</b> , 196, 161-180	8.1	
42	Weather Files for the Calibration of Building Energy Models. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 7361	2.6	0
41	An online Modbus device simulator for remote teaching scenarios. <b>2022</b> ,		
40	Optimal operation and locating method of new energy building with shared charging service. 10,		O
39	CO2 emissions and energy performance analysis of ground-source and solar-assisted ground-source heat pumps using low-GWP refrigerants. <b>2022</b> , 125198		2
38	Prioritizing barriers and developing mitigation strategies toward net-zero carbon building sector. <b>2022</b> , 223, 109437		2
37	Optimal sizing of hybrid PVIWindBattery storage system for Net Zero Energy Buildings to reduce grid burden. <b>2022</b> , 324, 119713		O
36	Framework for standardising carbon neutrality in building projects. 2022, 373, 133858		1
35	Wissen Ber Planungswissen. <b>2022</b> , 27-47		O

34	Performance analysis of an Earth-Air Heat Exchanger applied to the ventilation of a near Zero Energy Building.	О
33	A carbon-focus parametric study on building insulation materials and thicknesses for different heating systems: A Swiss case study. <b>2022</b> , 1078, 012102	O
32	Zero energy potential of PV direct-driven air conditioners coupled with phase change materials and load flexibility. <b>2022</b> ,	1
31	A method for global potential assessment of roof integrated two-stage solar concentrators (TSSCs) at district scale. <b>2022</b> , 326, 120018	O
30	A Small Modular House as a Response to the Energy Crisis. <b>2022</b> , 15, 8058	1
29	Effect of Star Rating Improvement of Residential Buildings on Life Cycle Environmental Impacts and Costs. <b>2022</b> , 12, 1605	O
28	Identification of the key design parameters of Zero/low energy buildings and the impacts of climate and building morphology. <b>2022</b> , 328, 120185	O
27	Decarbonization of Net Zero Energy Buildings by an Intelligent Energy Management System for Smart Grids. <b>2022</b> ,	O
26	Prosuming Alone or Together: A Bisectoral Approach to Conceptualizing the Commons Prosumer. <b>2022</b> , 16, 295-309	0
25	Net-positive office commissioning and performance gap assessment: Empirical insights. <b>2023</b> , 279, 112717	O
24	Energy simulation and life cycle cost discussion for a novel fixed model in offices as a zero energy building in a country with hot and cold dry weather. <b>2023</b> , 277, 116604	О
23	MTFed-NILM: Multi-Task Federated Learning for Non-Intrusive Load Monitoring. 2022,	Ο
22	Review of the U.S. Policies, Codes, and Standards of Zero-Carbon Buildings. <b>2022</b> , 12, 2060	2
21	Near-Zero-Energy Building Management Based on Arduino Microcontroller <b>©</b> n-Site Lighting Management Application. <b>2022</b> , 15, 9064	O
20	Comparison of the Carbon Payback Period (CPP) of Different Variants of Insulation Materials and Existing External Walls in Selected European Countries. <b>2023</b> , 16, 113	1
19	Decarbonizing EuropelA Critical Review on Positive Energy Districts Approaches. 2022, 104356	O
18	Life Cycle Assessment through BIM-based advanced Calculation Virtual Environment workflows. <b>2022</b> , 1122, 012036	0
17	Exploring the link between the EU emissions trading system and net-zero emission neighbourhoods. <b>2022</b> , 112731	O

16	Integration of IoT in building energy infrastructure: A critical review on challenges and solutions. <b>2023</b> , 174, 113121	O
15	Feasibility assessment of net zero-energy transformation of building stock using integrated synthetic population, building stock, and power distribution network framework. <b>2023</b> , 333, 120568	O
14	New genetic algorithm-based workflow for multi-objective optimization of Net Zero Energy Buildings integrating robustness assessment. <b>2023</b> , 284, 112841	0
13	Adaptive dynamic building envelope integrated with phase change material to enhance the heat storage and release efficiency: A state-of-the-art review. <b>2023</b> , 286, 112928	O
12	Building integrated photovoltaics powered electric vehicle charging with energy storage for residential building: Design, simulation, and assessment. <b>2023</b> , 63, 107050	O
11	Development and Implementation of Photovoltaic Integrated Multi-Skin Fa&de (PV-MSF) Design Based on Geometrical Concepts to Improve Building Energy Efficiency Performance. <b>2023</b> , 15, 2788	O
10	Hot Topics and Trends in Zero-Energy Building Research Bibliometrical Analysis Based on CiteSpace. <b>2023</b> , 13, 479	О
9	Supporting Cities towards Carbon Neutral Transition through Territorial Acupuncture. <b>2023</b> , 15, 4046	O
8	Large-scale building-integrated photovoltaics installation on building fa\( \text{B} \) des: Hourly resolution analysis using commercial building stock in Tokyo, Japan. <b>2023</b> , 253, 137-153	O
7	Solar Decathlon Europe 2022 Bauphysikalische Ergebnisse von Demonstrationsgebüden. <b>2023</b> , 531-550	O
6	A French Residential Retrofit toward Achieving Net-Zero Energy Target in a Mediterranean Climate. <b>2023</b> , 13, 833	O
5	Simulation Analysis Of Conventional Building To Convert It Into Net Zero Energy Building. 2023,	O
4	An Assessment of Energy Flexibility Solutions from the Perspective of Low-Tech. 2023, 16, 3298	О
3	A review on technologies with electricity generation potentials using liquified natural gas regasification cold energy.	O
2	Multi-scale UBEM-BIPV coupled approach for the assessment of carbon neutrality of commercial building stock. <b>2023</b> , 291, 113086	О
1	Early energy assessment at the neighborhood level to promote greater energy efficiency. The case of Nabta Smart Town in Egypt. <b>2023</b> , 136, 102782	O