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List of Publications by Year in descending order

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51 papers	1,749 citations	257450 24 h-index	276875 41 g-index
51 all docs	51 docs citations	51 times ranked	2055 citing authors

#	Article	IF	Citations
1	Building envelope shape design in early stages of the design process: Integrating architectural design systems and energy simulation. Automation in Construction, 2013, 32, 196-209.	9.8	136
2	Energy sustainability indicators for local energy planning: Review of current practices and derivation of a new framework. Renewable and Sustainable Energy Reviews, 2010, 14, 2723-2735.	16.4	127
3	A methodology for economic efficient design of Net Zero Energy Buildings. Energy and Buildings, 2012, 55, 765-778.	6.7	122
4	Occupants interaction with electric lighting and shading systems in real single-occupied offices: Results from a monitoring campaign. Building and Environment, 2013, 64, 152-168.	6.9	102
5	The relevance of the energy resource dynamics in the mid/long-term energy planning models. Renewable Energy, 2011, 36, 3068-3074.	8.9	100
6	Influence of shading control patterns on the energy assessment of office spaces. Energy and Buildings, 2012, 50, 35-48.	6.7	85
7	Urban Form and Energy Demand. Journal of Planning Literature, 2017, 32, 346-365.	3.5	75
8	Recent progress on net zero energy buildings. Advances in Building Energy Research, 2011, 5, 129-162.	2.3	67
9	Measurement of air temperature in the presence of a large radiant flux: an assessment of assively ventilated thermometer screens. Boundary-Layer Meteorology, 2005, 114, 205-231.	2.3	63
10	Modelling the relationship between heating energy use and indoor temperatures in residential buildings through Artificial Neural Networks considering occupant behavior. Energy and Buildings, 2017, 151, 332-343.	6.7	61
11	Energy vs. ventilation rate in buildings: A comprehensive scenario-based assessment in the European context. Energy and Buildings, 2012, 54, 111-121.	6.7	60
12	Envelope-related energy demand: A design indicator of energy performance for residential buildings in early design stages. Energy and Buildings, 2013, 61, 215-223.	6.7	59
13	Characterization of thermal performance and nominal heating gap of the residential building stock using the EPBD-derived databases: The case of Portugal mainland. Energy and Buildings, 2014, 70, 167-179.	6.7	52
14	Impact of using cool paints on energy demand and thermal comfort ofÂa residential building. Applied Thermal Engineering, 2014, 65, 273-281.	6.0	50
15	A methodology for sustainable and inclusive local energy planning. Sustainable Cities and Society, 2015, 17, 110-121.	10.4	44
16	A sustainability assessment of advanced materials for novel housing solutions. Building and Environment, 2015, 92, 182-191.	6.9	38
17	Predicting and characterizing indoor temperatures in residential buildings: Results from a monitoring campaign in Northern Portugal. Energy and Buildings, 2016, 119, 293-308.	6.7	37
18	A spatially-explicit methodological framework based on neural networks to assess the effect of urban form on energy demand. Applied Energy, 2017, 202, 386-398.	10.1	37

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19	Comparison of passive cooling techniques in improving thermal comfort of occupants of a pre-fabricated building. Energy and Buildings, 2016, 120, 30-44.	6.7	34
20	Technical and economic feasibility of sustainable heating and cooling supply options in southern European municipalities-A case study for Matosinhos, Portugal. Energy, 2018, 153, 311-323.	8.8	32
21	A scenario-based approach for assessing the energy performance of urban development pathways. Sustainable Cities and Society, 2018, 40, 372-382.	10.4	31
22	A general indirect representation for optimization of generative design systems by genetic algorithms: Application to a shape grammar-based design system. Automation in Construction, 2013, 35, 374-382.	9.8	26
23	Setting targets for local energy planning: Critical assessment and a new approach. Sustainable Cities and Society, 2016, 26, 421-428.	10.4	26
24	Occupantsâ€™ behaviour in energy simulation tools: lessons from a field monitoring campaign regarding lighting and shading control. Journal of Building Performance Simulation, 2015, 8, 338-358.	2.0	25
25	â€œSOLVENTâ€• development of a reversible solar-screen glazing system. Energy and Buildings, 2004, 36, 467-480.	6.7	24
26	Strategies to control daylight in a responsive skylight system. Automation in Construction, 2012, 28, 91-105.	9.8	24
27	Methodologies for the evaluation of local climate change mitigation actions: A review. Renewable and Sustainable Energy Reviews, 2017, 79, 681-690.	16.4	23
28	Lifecycle Cost Analysis of Prefabricated Composite and Masonry Buildings: Comparative Study. Journal of Architectural Engineering, 2018, 24, .	1.6	21
29	Thermochromic Paints on External Surfaces: Impact Assessment for a Residential Building through Thermal and Energy Simulation. Energies, 2020, 13, 1912.	3.1	18
30	The role of the PASLINK test cell in the modelling and integrated simulation of an innovative window. Building and Environment, 2008, 43, 217-227.	6.9	17
31	A multi-objective approach for developing national energy efficiency plans. Energy Policy, 2014, 67, 16-27.	8.8	16
32	A Review of the Relation between Household Indoor Temperature and Health Outcomes. Energies, 2020, 13, 2881.	3.1	16
33	Energy and economic analysis of building retrofit and energy offset scenarios for Net Zero Energy Buildings. Advances in Building Energy Research, 2015, 9, 120-139.	2.3	13
34	Analysis of the relationship between local climate change mitigation actions and greenhouse gas emissions â€“ Empirical insights. Energy Policy, 2017, 111, 204-213.	8.8	11
35	Pre-fabricated, environmentally friendly and energy self-sufficient single-family house in Kenya. Journal of Cleaner Production, 2017, 142, 2100-2113.	9.3	10
36	Uncovering the multiple objectives behind national energy efficiency planning. Energy Policy, 2013, 54, 230-239.	8.8	9

#	ARTICLE	IF	CITATIONS
37	A review of energy planning practices of members of the Economic Community of West African States. Renewable and Sustainable Energy Reviews, 2014, 31, 202-220.	16.4	8
38	Modelling the SOLVENT ventilated window for whole building simulation. Building Services Engineering Research and Technology, 2004, 25, 183-195.	1.8	7
39	Total Solar Reflectance Optimization of the External Paint Coat in Residential Buildings Located in Mediterranean Climates. Energies, 2020, 13, 2729.	3.1	7
40	A multi-criteria evaluation framework for alternative light-duty vehicles technologies. International Journal of Multicriteria Decision Making, 2011, 1, 230.	0.2	6
41	Energy Policy Concerns, Objectives and Indicators: A Review towards a Framework for Effectiveness Assessment. Energies, 2020, 13, 6533.	3.1	6
42	Identification of objectives for national energy planning in developing countries. Energy Strategy Reviews, 2018, 21, 218-232.	7.3	5
43	Health and Housing Energy Expenditures: A Two-Part Model Approach. Processes, 2021, 9, 943.	2.8	4
44	Buildings Energy Efficiency and Innovative Energy Systems. Energies, 2021, 14, 5092.	3.1	3
45	Analysis of Renewable Energy Policies through Decision Trees. Sustainability, 2022, 14, 7720.	3.2	3
46	Factors That Contribute to Changes in Local or Municipal GHG Emissions: A Framework Derived from a Systematic Literature Review. Energies, 2020, 13, 3205.	3.1	2
47	A new tilted strips external thermal insulation composite system (TiS-ETICS): Description and performance assessment through thermal and energy simulation for a residential building. Journal of Building Engineering, 2021, 38, 101953.	3.4	2
48	An exploratory study on energy sustainability indicators for local energy planning. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	2
49	PoDIT: Portable Device for Indoor Temperature Stabilization: Concept and Theoretical Performance Assessment. Energies, 2020, 13, 5982.	3.1	1
50	A Review of the Measures and Instruments to Promote Efficiency and Renewable Energy in Domestic Water Heating. Energies, 2020, 13, 5370.	3.1	1
51	Decomposition Analysis of the Evolution of the Local Energy System as a Tool to Assess the Effect of Local Actions: Methodology and Example of MalmÃ¶, Sweden. Energies, 2021, 14, 461.	3.1	1