

Shady Attia

List of Publications by Year in Descending Order

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

97
papers

1,787
citations

20
h-index

40
g-index

105
ext. papers

2,212
ext. citations

4.6
avg. IF

5.72
L-index

#	Paper	IF	Citations
97	Energy efficiency in the polish residential building stock: A literature review. <i>Journal of Building Engineering</i> , 2022 , 45, 103461	5.2	6
96	Developing a benchmark model for renovated, nearly zero-energy, terraced dwellings. <i>Applied Energy</i> , 2022 , 306, 118128	10.7	2
95	Assessment of Human Outdoor Thermal Comfort in a Palm Grove during the Date Palm Phenological Cycle. <i>Atmosphere</i> , 2022 , 13, 379	2.7	
94	A Parametric Approach to Optimizing Building Construction Systems and Carbon Footprint: A Case Study Inspired by Circularity Principles. <i>Sustainability</i> , 2022 , 14, 3370	3.6	0
93	Quantification of Outdoor Thermal Comfort Levels under Sea Breeze in the Historical City Fabric: The Case of Algiers Casbah. <i>Atmosphere</i> , 2022 , 13, 575	2.7	1
92	Overview and future challenges of nearly zero-energy building (nZEB) design in Eastern Europe. <i>Energy and Buildings</i> , 2022 , 112165	7	1
91	Comparison of Thermal Energy Saving Potential and Overheating Risk of Four Adaptive Façade Technologies in Office Buildings. <i>Sustainability</i> , 2022 , 14, 6106	3.6	1
90	Assessment of the circularity and carbon neutrality of an office building: The case of Centrum in Westerlo, Belgium. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 855, 012025	0.3	1
89	Leadership of EU member States in building carbon footprint regulations and their role in promoting circular building design. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 855, 012023	0.3	0
88	Simulation-based framework to evaluate resistivity of cooling strategies in buildings against overheating impact of climate change. <i>Building and Environment</i> , 2021 , 108599	6.5	6
87	The assessment of outdoor thermal comfort inside oasis settlements in North Africa - Algeria. <i>Journal of Physics: Conference Series</i> , 2021 , 2042, 012061	0.3	
86	Parameters and indicators used in Indoor Environmental Quality (IEQ) studies: a review. <i>Journal of Physics: Conference Series</i> , 2021 , 2042, 012132	0.3	
85	An impact of moisture content on the air permeability of the fibrous insulation materials. <i>Journal of Physics: Conference Series</i> , 2021 , 2069, 012205	0.3	1
84	Quantification of the Outdoor Thermal Comfort within Different Oases Urban Fabrics. <i>Sustainability</i> , 2021 , 13, 3051	3.6	6
83	Effects of Climatic Conditions, Season and Environmental Factors on CO2 Concentrations in Naturally Ventilated Primary Schools in Chile. <i>Sustainability</i> , 2021 , 13, 4139	3.6	2
82	Resilient cooling of buildings to protect against heat waves and power outages: Key concepts and definition. <i>Energy and Buildings</i> , 2021 , 239, 110869	7	16
81	Multi-objective optimisation of a seasonal solar thermal energy storage system combined with an earth Air heat exchanger for net zero energy building. <i>Solar Energy</i> , 2021 , 220, 901-913	6.8	5

80	Assessment of Passive Retrofitting Scenarios in Heritage Residential Buildings in Hot, Dry Climates. <i>Energies</i> , 2021 , 14, 3359	3.1	1
79	Factors Affecting Productivity of Technical Personnel in Turkish Construction Industry: A Field Study. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 11339	2.5	0
78	Climatic clustering analysis for novel atlas mapping and bioclimatic design recommendations. <i>Indoor and Built Environment</i> , 2021 , 30, 313-333	1.8	7
77	Classification of Heritage Residential Building Stock and Defining Sustainable Retrofitting Scenarios in Khedivial Cairo. <i>Sustainability</i> , 2021 , 13, 880	3.6	5
76	Analysis of the Determining Factors for the Renovation of the Walloon Residential Building Stock. <i>Sustainability</i> , 2021 , 13, 2221	3.6	3
75	Analysis of the impact of automatic shading control scenarios on occupant comfort and energy load. <i>Applied Energy</i> , 2021 , 294, 116904	10.7	8
74	Developing two benchmark models for post-world war II residential buildings. <i>Energy and Buildings</i> , 2021 , 244, 111052	7	2
73	Resilient cooling strategies – A critical review and qualitative assessment. <i>Energy and Buildings</i> , 2021 , 251, 111312	7	12
72	Review on Time-Integrated Overheating Evaluation Methods for Residential Buildings in Temperate Climates of Europe. <i>Energy and Buildings</i> , 2021 , 252, 111463	7	6
71	Towards Nearly-Zero Energy in Heritage Residential Buildings Retrofitting in Hot, Dry Climates. <i>Sustainability</i> , 2021 , 13, 13934	3.6	
70	Climate Change Effects on Belgian Households: A Case Study of a Nearly Zero Energy Building. <i>Energies</i> , 2020 , 13, 5357	3.1	8
69	Methodology for design decision support of cost-optimal zero-energy lightweight construction. <i>Energy and Buildings</i> , 2020 , 223, 110170	7	8
68	Assessment of the Outdoor Thermal Comfort in Oases Settlements. <i>Atmosphere</i> , 2020 , 11, 185	2.7	10
67	Sensitivity Analysis of Passive Design Strategies for Residential Buildings in Cold Semi-Arid Climates. <i>Sustainability</i> , 2020 , 12, 1091	3.6	16
66	Developing two benchmark models for nearly zero energy schools. <i>Applied Energy</i> , 2020 , 263, 114614	10.7	17
65	Influence of urban canopy green coverage and future climate change scenarios on energy consumption of new sub-urban residential developments using coupled simulation techniques: A case study in Alexandria, Egypt. <i>Energy Reports</i> , 2020 , 6, 638-645	4.6	9
64	An Experimental Study on the Use of Fonio Straw and Shea Butter Residue for Improving the Thermophysical and Mechanical Properties of Compressed Earth Blocks. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2020 , 08, 107-132	0.4	
63	Methodology to assess business models of dynamic pricing tariffs in all-electric houses. <i>Energy and Buildings</i> , 2020 , 207, 109586	7	13

62	Spatial and Behavioral Thermal Adaptation in Net Zero Energy Buildings: An Exploratory Investigation. <i>Sustainability</i> , 2020 , 12, 7961	3.6	11
61	Future trends and main concepts of adaptive facade systems. <i>Energy Science and Engineering</i> , 2020 , 8, 3255-3272	3.4	13
60	Towards a European rating system for sustainable student housing: Key performance indicators (KPIs) and a multi-criteria assessment approach. <i>Environmental and Sustainability Indicators</i> , 2020 , 7, 1000-1052	3.5	4
59	Evaluating the wind cooling potential on outdoor thermal comfort in selected Iranian climate types. <i>Journal of Thermal Biology</i> , 2020 , 92, 102660	2.9	11
58	Development of Spatial Distribution Maps for Energy Demand and Thermal Comfort Estimation in Algeria. <i>Sustainability</i> , 2020 , 12, 6066	3.6	7
57	Occupant-Facade interaction: a review and classification scheme. <i>Building and Environment</i> , 2020 , 177, 106880	6.5	20
56	An Investigation of Thermal Comfort of Houses in Dry and Semi-Arid Climates of Quetta, Pakistan. <i>Sustainability</i> , 2019 , 11, 5203	3.6	14
55	Building energy efficiency policies and practices in Pakistan: A literature review 2019 ,		2
54	Development and validation of a survey for well-being and interaction assessment by occupants in office buildings with adaptive facades. <i>Building and Environment</i> , 2019 , 157, 268-276	6.5	14
53	Identification of sustainable criteria for decision-making on roof stacking construction method. <i>Sustainable Cities and Society</i> , 2019 , 47, 101456	10.1	12
52	Projecting the impact of climate change on design recommendations for residential buildings in Iran. <i>Building and Environment</i> , 2019 , 155, 283-297	6.5	29
51	Net Zero Buildings: A Framework for an Integrated Policy in Chile. <i>Sustainability</i> , 2019 , 11, 1494	3.6	16
50	Comparative bioclimatic approach for comfort and passive heating and cooling strategies in Algeria. <i>Building and Environment</i> , 2019 , 161, 106271	6.5	21
49	Conceptual framework for off-site roof stacking construction. <i>Journal of Building Engineering</i> , 2019 , 26, 100873	5.2	3
48	The impact of climate change on Building Energy Simulation (BES) uncertainty - Case study from a LEED building in Egypt. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 397, 012005	0.3	2
47	Estimate of outdoor thermal comfort zones for different climatic regions of Iran. <i>Urban Climate</i> , 2019 , 27, 8-23	6.8	25
46	Analysis tool for bioclimatic design strategies in hot humid climates. <i>Sustainable Cities and Society</i> , 2019 , 45, 8-24	10.1	23
45	Evaluation of adaptive facades: The case study of Al Bahr Towers in the UAE. <i>QScience Connect</i> , 2018 , 2017,	0.8	12

44	Design Principles of Regenerative Design. <i>SpringerBriefs in Energy</i> , 2018 , 19-32	0.3	
43	Evolution of Definitions and Approaches 2018 , 21-51		4
42	Energy Systems and Loads Operation 2018 , 189-218		
41	Introduction to NZEB and Market Accelerators 2018 , 1-20		1
40	Construction Quality and Cost 2018 , 245-272		
39	NZEB Case Studies and Learned Lessons 2018 , 303-341		1
38	Roadmap for NZEB Implementation 2018 , 343-369		4
37	Regenerative and Positive Impact Architecture. <i>SpringerBriefs in Energy</i> , 2018 ,	0.3	5
36	Regenerative and Positive Impact Architecture Roadmap. <i>SpringerBriefs in Energy</i> , 2018 , 81-94	0.3	1
35	Net Zero Energy Buildings (NZEB) 2018 ,		3
34	Case Studies: Energy Efficiency Versus Regenerative Paradigm. <i>SpringerBriefs in Energy</i> , 2018 , 47-59	0.3	
33	Definitions and Paradigm Shift. <i>SpringerBriefs in Energy</i> , 2018 , 13-17	0.3	1
32	Indicators and Metrics of Regenerative Design. <i>SpringerBriefs in Energy</i> , 2018 , 33-45	0.3	0
31	Modern History of Sustainable Architecture. <i>SpringerBriefs in Energy</i> , 2018 , 7-11	0.3	
30	Performance Comparison and Quantification. <i>SpringerBriefs in Energy</i> , 2018 , 61-80	0.3	
29	Development of a new adaptive comfort model for low income housing in the central-south of chile. <i>Energy and Buildings</i> , 2018 , 178, 94-106	7	43
28	Current trends and future challenges in the performance assessment of adaptive façade systems. <i>Energy and Buildings</i> , 2018 , 179, 165-182	7	62
27	Smart-Decarbonized Energy Grids and NZEB Upscaling 2018 , 219-244		1

26	Integrative Project Delivery and Team Roles 2018 , 87-116		1
25	Materials and Environmental Impact Assessment 2018 , 155-187		1
24	Occupants Well-Being and Indoor Environmental Quality 2018 , 117-153		2
23	Net Zero Energy Buildings Performance Indicators and Thresholds 2018 , 53-85		2
22	Occupant Behavior and Performance Assurance 2018 , 273-302		
21	Energy efficiency in the Romanian residential building stock: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 349-363	16.2	32
20	Defining thermal comfort boundaries for heating and cooling demand estimation in Iran's urban settlements. <i>Building and Environment</i> , 2017 , 121, 168-189	6.5	31
19	Overview and future challenges of nearly zero energy buildings (nZEB) design in Southern Europe. <i>Energy and Buildings</i> , 2017 , 155, 439-458	7	170
18	A methodology to determine the potential of urban densification through roof stacking. <i>Sustainable Cities and Society</i> , 2017 , 35, 677-691	10.1	20
17	Twenty-year tracking of lighting savings and power density in the residential sector. <i>Energy and Buildings</i> , 2017 , 154, 113-126	7	13
16	Determining new threshold temperatures for cooling and heating degree day index of different climatic zones of Iran. <i>Renewable Energy</i> , 2017 , 101, 156-167	8.1	40
15	Impact of financial assumptions on the cost optimality towards nearly zero energy buildings: A case study. <i>Energy and Buildings</i> , 2017 , 153, 421-438	7	36
14	Assessment of thermal comfort in existing pre-1945 residential building stock. <i>Energy</i> , 2016 , 98, 122-134	7.9	31
13	Evaluation of adaptive facades: The case study of Al Bahr Towers in the UAE. <i>Qscience Proceedings</i> , 2016 , 2016, 8		8
12	Towards regenerative and positive impact architecture: A comparison of two net zero energy buildings. <i>Sustainable Cities and Society</i> , 2016 , 26, 393-406	10.1	43
11	Impact of different thermal comfort models on zero energy residential buildings in hot climate. <i>Energy and Buildings</i> , 2015 , 102, 117-128	7	86
10	Building performance optimization of net zero-energy buildings 2015 , 175-206		7
9	Achieving informed decision-making for net zero energy buildings design using building performance simulation tools. <i>Building Simulation</i> , 2013 , 6, 3-21	3.9	28

8	Assessing gaps and needs for integrating building performance optimization tools in net zero energy buildings design. <i>Energy and Buildings</i> , 2013 , 60, 110-124	7	253
7	Simulation-based decision support tool for early stages of zero-energy building design. <i>Energy and Buildings</i> , 2012 , 49, 2-15	7	244
6	Development of benchmark models for the Egyptian residential buildings sector. <i>Applied Energy</i> , 2012 , 94, 270-284	10.7	73
5	Selection criteria for building performance simulation tools: contrasting architects' and engineers' needs. <i>Journal of Building Performance Simulation</i> , 2012 , 5, 155-169	2.8	97
4	The Architect-friendliness Of Six Building Performance Simulation Tools: A Comparative Study. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2011 , 2, 237-244		21
3	A Case Study For a Zero Impact Building in Belgium: Mondo Solar-2002. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2011 , 2, 137-142		5
2	Strategic Decision Making for Zero Energy Buildings in Hot Climates 2010 ,		3
1	Advanced control strategy to maximize view and control discomforting glare: a complex adaptive façade. <i>Architectural Engineering and Design Management</i> , 1-21	1.2	1