

# Shady Attia

## List of Publications by Citations

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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	Assessing gaps and needs for integrating building performance optimization tools in net zero energy buildings design. <i>Energy and Buildings</i> , <b>2013</b> , 60, 110-124	7	253
96	Simulation-based decision support tool for early stages of zero-energy building design. <i>Energy and Buildings</i> , <b>2012</b> , 49, 2-15	7	244
95	Overview and future challenges of nearly zero energy buildings (nZEB) design in Southern Europe. <i>Energy and Buildings</i> , <b>2017</b> , 155, 439-458	7	170
94	Selection criteria for building performance simulation tools: contrasting architects' and engineers' needs. <i>Journal of Building Performance Simulation</i> , <b>2012</b> , 5, 155-169	2.8	97
93	Impact of different thermal comfort models on zero energy residential buildings in hot climate. <i>Energy and Buildings</i> , <b>2015</b> , 102, 117-128	7	86
92	Development of benchmark models for the Egyptian residential buildings sector. <i>Applied Energy</i> , <b>2012</b> , 94, 270-284	10.7	73
91	Current trends and future challenges in the performance assessment of adaptive façade systems. <i>Energy and Buildings</i> , <b>2018</b> , 179, 165-182	7	62
90	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
89	Development of a new adaptive comfort model for low income housing in the central-south of Chile. <i>Energy and Buildings</i> , <b>2018</b> , 178, 94-106	7	43
88	Determining new threshold temperatures for cooling and heating degree day index of different climatic zones of Iran. <i>Renewable Energy</i> , <b>2017</b> , 101, 156-167	8.1	40
87	Impact of financial assumptions on the cost optimality towards nearly zero energy buildings [A case study]. <i>Energy and Buildings</i> , <b>2017</b> , 153, 421-438	7	36
86	Energy efficiency in the Romanian residential building stock: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 74, 349-363	16.2	32
85	Defining thermal comfort boundaries for heating and cooling demand estimation in Iran's urban settlements. <i>Building and Environment</i> , <b>2017</b> , 121, 168-189	6.5	31
84	Assessment of thermal comfort in existing pre-1945 residential building stock. <i>Energy</i> , <b>2016</b> , 98, 122-134	7.9	31
83	Projecting the impact of climate change on design recommendations for residential buildings in Iran. <i>Building and Environment</i> , <b>2019</b> , 155, 283-297	6.5	29
82	Achieving informed decision-making for net zero energy buildings design using building performance simulation tools. <i>Building Simulation</i> , <b>2013</b> , 6, 3-21	3.9	28
81	Estimate of outdoor thermal comfort zones for different climatic regions of Iran. <i>Urban Climate</i> , <b>2019</b> , 27, 8-23	6.8	25

80	Analysis tool for bioclimatic design strategies in hot humid climates. <i>Sustainable Cities and Society</i> , <b>2019</b> , 45, 8-24	10.1	23
79	Comparative bioclimatic approach for comfort and passive heating and cooling strategies in Algeria. <i>Building and Environment</i> , <b>2019</b> , 161, 106271	6.5	21
78	The Architect-friendliness Of Six Building Performance Simulation Tools: A Comparative Study. <i>International Journal of Sustainable Building Technology and Urban Development</i> , <b>2011</b> , 2, 237-244		21
77	A methodology to determine the potential of urban densification through roof stacking. <i>Sustainable Cities and Society</i> , <b>2017</b> , 35, 677-691	10.1	20
76	Occupant-Facade interaction: a review and classification scheme. <i>Building and Environment</i> , <b>2020</b> , 177, 106880	6.5	20
75	Developing two benchmark models for nearly zero energy schools. <i>Applied Energy</i> , <b>2020</b> , 263, 114614	10.7	17
74	Net Zero Buildings A Framework for an Integrated Policy in Chile. <i>Sustainability</i> , <b>2019</b> , 11, 1494	3.6	16
73	Sensitivity Analysis of Passive Design Strategies for Residential Buildings in Cold Semi-Arid Climates. <i>Sustainability</i> , <b>2020</b> , 12, 1091	3.6	16
72	Resilient cooling of buildings to protect against heat waves and power outages: Key concepts and definition. <i>Energy and Buildings</i> , <b>2021</b> , 239, 110869	7	16
71	An Investigation of Thermal Comfort of Houses in Dry and Semi-Arid Climates of Quetta, Pakistan. <i>Sustainability</i> , <b>2019</b> , 11, 5203	3.6	14
70	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> , <b>2019</b> , 157, 268-276	6.5	14
69	Twenty-year tracking of lighting savings and power density in the residential sector. <i>Energy and Buildings</i> , <b>2017</b> , 154, 113-126	7	13
68	Methodology to assess business models of dynamic pricing tariffs in all-electric houses. <i>Energy and Buildings</i> , <b>2020</b> , 207, 109586	7	13
67	Future trends and main concepts of adaptive facade systems. <i>Energy Science and Engineering</i> , <b>2020</b> , 8, 3255-3272	3.4	13
66	Identification of sustainable criteria for decision-making on roof stacking construction method. <i>Sustainable Cities and Society</i> , <b>2019</b> , 47, 101456	10.1	12
65	Evaluation of adaptive facades: The case study of Al Bahr Towers in the UAE. <i>QScience Connect</i> , <b>2018</b> , 2017,	0.8	12
64	Resilient cooling strategies A critical review and qualitative assessment. <i>Energy and Buildings</i> , <b>2021</b> , 251, 111312	7	12
63	Spatial and Behavioral Thermal Adaptation in Net Zero Energy Buildings: An Exploratory Investigation. <i>Sustainability</i> , <b>2020</b> , 12, 7961	3.6	11

62	Evaluating the wind cooling potential on outdoor thermal comfort in selected Iranian climate types. <i>Journal of Thermal Biology</i> , <b>2020</b> , 92, 102660	2.9	11
61	Assessment of the Outdoor Thermal Comfort in Oases Settlements. <i>Atmosphere</i> , <b>2020</b> , 11, 185	2.7	10
60	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> , <b>2020</b> , 6, 638-645	4.6	9
59	Climate Change Effects on Belgian Households: A Case Study of a Nearly Zero Energy Building. <i>Energies</i> , <b>2020</b> , 13, 5357	3.1	8
58	Methodology for design decision support of cost-optimal zero-energy lightweight construction. <i>Energy and Buildings</i> , <b>2020</b> , 223, 110170	7	8
57	Evaluation of adaptive facades: The case study of Al Bahr Towers in the UAE. <i>Qscience Proceedings</i> , <b>2016</b> , 2016, 8		8
56	Analysis of the impact of automatic shading control scenarios on occupant comfort and energy load. <i>Applied Energy</i> , <b>2021</b> , 294, 116904	10.7	8
55	Building performance optimization of net zero-energy buildings <b>2015</b> , 175-206		7
54	Development of Spatial Distribution Maps for Energy Demand and Thermal Comfort Estimation in Algeria. <i>Sustainability</i> , <b>2020</b> , 12, 6066	3.6	7
53	Climatic clustering analysis for novel atlas mapping and bioclimatic design recommendations. <i>Indoor and Built Environment</i> , <b>2021</b> , 30, 313-333	1.8	7
52	Simulation-based framework to evaluate resistivity of cooling strategies in buildings against overheating impact of climate change. <i>Building and Environment</i> , <b>2021</b> , 108599	6.5	6
51	Energy efficiency in the polish residential building stock: A literature review. <i>Journal of Building Engineering</i> , <b>2022</b> , 45, 103461	5.2	6
50	Quantification of the Outdoor Thermal Comfort within Different Oases Urban Fabrics. <i>Sustainability</i> , <b>2021</b> , 13, 3051	3.6	6
49	Review on Time-Integrated Overheating Evaluation Methods for Residential Buildings in Temperate Climates of Europe. <i>Energy and Buildings</i> , <b>2021</b> , 252, 111463	7	6
48	A Case Study for a Zero Impact Building in Belgium: Mondo Solar-2002. <i>International Journal of Sustainable Building Technology and Urban Development</i> , <b>2011</b> , 2, 137-142		5
47	Regenerative and Positive Impact Architecture. <i>SpringerBriefs in Energy</i> , <b>2018</b> ,	0.3	5
46	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> , <b>2021</b> , 220, 901-913	6.8	5
45	Classification of Heritage Residential Building Stock and Defining Sustainable Retrofitting Scenarios in Khedivial Cairo. <i>Sustainability</i> , <b>2021</b> , 13, 880	3.6	5

44	Evolution of Definitions and Approaches <b>2018</b> , 21-51		4
43	Roadmap for NZEB Implementation <b>2018</b> , 343-369		4
42	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> , <b>2020</b> , 7, 100052	2.5	4
41	Conceptual framework for off-site roof stacking construction. <i>Journal of Building Engineering</i> , <b>2019</b> , 26, 100873	5.2	3
40	Strategic Decision Making for Zero Energy Buildings in Hot Climates <b>2010</b> ,		3
39	Net Zero Energy Buildings (NZEB) <b>2018</b> ,		3
38	Analysis of the Determining Factors for the Renovation of the Walloon Residential Building Stock. <i>Sustainability</i> , <b>2021</b> , 13, 2221	3.6	3
37	Building energy efficiency policies and practices in Pakistan: A literature review <b>2019</b> ,		2
36	Developing a benchmark model for renovated, nearly zero-energy, terraced dwellings. <i>Applied Energy</i> , <b>2022</b> , 306, 118128	10.7	2
35	Effects of Climatic Conditions, Season and Environmental Factors on CO2 Concentrations in Naturally Ventilated Primary Schools in Chile. <i>Sustainability</i> , <b>2021</b> , 13, 4139	3.6	2
34	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> , <b>2019</b> , 397, 012005	0.3	2
33	Occupants Well-Being and Indoor Environmental Quality <b>2018</b> , 117-153		2
32	Net Zero Energy Buildings Performance Indicators and Thresholds <b>2018</b> , 53-85		2
31	Developing two benchmark models for post-world war II residential buildings. <i>Energy and Buildings</i> , <b>2021</b> , 244, 111052	7	2
30	Introduction to NZEB and Market Accelerators <b>2018</b> , 1-20		1
29	NZEB Case Studies and Learned Lessons <b>2018</b> , 303-341		1
28	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> , <b>2021</b> , 855, 012025	0.3	1
27	Advanced control strategy to maximize view and control discomforting glare: a complex adaptive facade. <i>Architectural Engineering and Design Management</i> , 1-21	1.2	1

26	An impact of moisture content on the air permeability of the fibrous insulation materials. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2069, 012205	0.3	1
25	Regenerative and Positive Impact Architecture Roadmap. <i>SpringerBriefs in Energy</i> , <b>2018</b> , 81-94	0.3	1
24	Definitions and Paradigm Shift. <i>SpringerBriefs in Energy</i> , <b>2018</b> , 13-17	0.3	1
23	Assessment of Passive Retrofitting Scenarios in Heritage Residential Buildings in Hot, Dry Climates. <i>Energies</i> , <b>2021</b> , 14, 3359	3.1	1
22	Smart-Decarbonized Energy Grids and NZEB Upscaling <b>2018</b> , 219-244		1
21	Integrative Project Delivery and Team Roles <b>2018</b> , 87-116		1
20	Materials and Environmental Impact Assessment <b>2018</b> , 155-187		1
19	Quantification of Outdoor Thermal Comfort Levels under Sea Breeze in the Historical City Fabric: The Case of Algiers Casbah. <i>Atmosphere</i> , <b>2022</b> , 13, 575	2.7	1
18	Overview and future challenges of nearly zero-energy building (nZEB) design in Eastern Europe. <i>Energy and Buildings</i> , <b>2022</b> , 112165	7	1
17	Comparison of Thermal Energy Saving Potential and Overheating Risk of Four Adaptive Façade Technologies in Office Buildings. <i>Sustainability</i> , <b>2022</b> , 14, 6106	3.6	1
16	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> , <b>2021</b> , 855, 012023	0.3	0
15	Indicators and Metrics of Regenerative Design. <i>SpringerBriefs in Energy</i> , <b>2018</b> , 33-45	0.3	0
14	Factors Affecting Productivity of Technical Personnel in Turkish Construction Industry: A Field Study. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 11339	2.5	0
13	A Parametric Approach to Optimizing Building Construction Systems and Carbon Footprint: A Case Study Inspired by Circularity Principles. <i>Sustainability</i> , <b>2022</b> , 14, 3370	3.6	0
12	Design Principles of Regenerative Design. <i>SpringerBriefs in Energy</i> , <b>2018</b> , 19-32	0.3	
11	Energy Systems and Loads Operation <b>2018</b> , 189-218		
10	Construction Quality and Cost <b>2018</b> , 245-272		
9	The assessment of outdoor thermal comfort inside oasis settlements in North Africa - Algeria. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2042, 012061	0.3	

8	Parameters and indicators used in Indoor Environmental Quality (IEQ) studies: a review. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2042, 012132	0.3
7	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> , <b>2020</b> , 08, 107-132	0.4
6	Case Studies: Energy Efficiency Versus Regenerative Paradigm. <i>SpringerBriefs in Energy</i> , <b>2018</b> , 47-59	0.3
5	Modern History of Sustainable Architecture. <i>SpringerBriefs in Energy</i> , <b>2018</b> , 7-11	0.3
4	Performance Comparison and Quantification. <i>SpringerBriefs in Energy</i> , <b>2018</b> , 61-80	0.3
3	Occupant Behavior and Performance Assurance <b>2018</b> , 273-302	
2	Assessment of Human Outdoor Thermal Comfort in a Palm Grove during the Date Palm Phenological Cycle. <i>Atmosphere</i> , <b>2022</b> , 13, 379	2.7
1	Towards Nearly-Zero Energy in Heritage Residential Buildings Retrofitting in Hot, Dry Climates. <i>Sustainability</i> , <b>2021</b> , 13, 13934	3.6