

# Shady Attia

## List of Publications by Year in descending order

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Version: 2024-02-01

99  
papers

2,825  
citations

218592

26  
h-index

182361

51  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2138  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.1	309
2	Simulation-based decision support tool for early stages of zero-energy building design. <i>Energy and Buildings</i> , 2012, 49, 2-15.	3.1	304
3	Overview and future challenges of nearly zero energy buildings (nZEB) design in Southern Europe. <i>Energy and Buildings</i> , 2017, 155, 439-458.	3.1	235
4	Selection criteria for building performance simulation tools: contrasting architects' and engineers' needs. <i>Journal of Building Performance Simulation</i> , 2012, 5, 155-169.	1.0	127
5	Current trends and future challenges in the performance assessment of adaptive façade systems. <i>Energy and Buildings</i> , 2018, 179, 165-182.	3.1	106
6	Impact of different thermal comfort models on zero energy residential buildings in hot climate. <i>Energy and Buildings</i> , 2015, 102, 117-128.	3.1	105
7	Development of benchmark models for the Egyptian residential buildings sector. <i>Applied Energy</i> , 2012, 94, 270-284.	5.1	101
8	Resilient cooling of buildings to protect against heat waves and power outages: Key concepts and definition. <i>Energy and Buildings</i> , 2021, 239, 110869.	3.1	83
9	Resilient cooling strategies – A critical review and qualitative assessment. <i>Energy and Buildings</i> , 2021, 251, 111312.	3.1	68
10	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.	3.1	64
11	Towards regenerative and positive impact architecture: A comparison of two net zero energy buildings. <i>Sustainable Cities and Society</i> , 2016, 26, 393-406.	5.1	58
12	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.	4.3	48
13	Energy efficiency in the Romanian residential building stock: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 349-363.	8.2	47
14	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.	3.1	45
15	Assessment of thermal comfort in existing pre-1945 residential building stock. <i>Energy</i> , 2016, 98, 122-134.	4.5	42
16	Achieving informed decision-making for net zero energy buildings design using building performance simulation tools. <i>Building Simulation</i> , 2013, 6, 3-21.	3.0	40
17	Comparative bioclimatic approach for comfort and passive heating and cooling strategies in Algeria. <i>Building and Environment</i> , 2019, 161, 106271.	3.0	39
18	Estimate of outdoor thermal comfort zones for different climatic regions of Iran. <i>Urban Climate</i> , 2019, 27, 8-23.	2.4	39

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19	Defining thermal comfort boundaries for heating and cooling demand estimation in Iran's urban settlements. <i>Building and Environment</i> , 2017, 121, 168-189.	3.0	38
20	Review on Time-Integrated Overheating Evaluation Methods for Residential Buildings in Temperate Climates of Europe. <i>Energy and Buildings</i> , 2021, 252, 111463.	3.1	38
21	Projecting the impact of climate change on design recommendations for residential buildings in Iran. <i>Building and Environment</i> , 2019, 155, 283-297.	3.0	37
22	Future trends and main concepts of adaptive facade systems. <i>Energy Science and Engineering</i> , 2020, 8, 3255-3272.	1.9	37
23	Analysis tool for bioclimatic design strategies in hot humid climates. <i>Sustainable Cities and Society</i> , 2019, 45, 8-24.	5.1	35
24	Sensitivity Analysis of Passive Design Strategies for Residential Buildings in Cold Semi-Arid Climates. <i>Sustainability</i> , 2020, 12, 1091.	1.6	32
25	Occupant-Facade interaction: a review and classification scheme. <i>Building and Environment</i> , 2020, 177, 106880.	3.0	31
26	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.	1.0	30
27	Simulation-based framework to evaluate resistivity of cooling strategies in buildings against overheating impact of climate change. <i>Building and Environment</i> , 2022, 208, 108599.	3.0	29
28	A methodology to determine the potential of urban densification through roof stacking. <i>Sustainable Cities and Society</i> , 2017, 35, 677-691.	5.1	28
29	Developing two benchmark models for nearly zero energy schools. <i>Applied Energy</i> , 2020, 263, 114614.	5.1	28
30	Analysis of the impact of automatic shading control scenarios on occupant's comfort and energy load. <i>Applied Energy</i> , 2021, 294, 116904.	5.1	28
31	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.	3.0	26
32	Evaluation of adaptive facades: The case study of Al Bahr Towers in the UAE. <i>QScience Connect</i> , 2018, 2017, .	0.2	25
33	An Investigation of Thermal Comfort of Houses in Dry and Semi-Arid Climates of Quetta, Pakistan. <i>Sustainability</i> , 2019, 11, 5203.	1.6	24
34	Climate Change Effects on Belgian Households: A Case Study of a Nearly Zero Energy Building. <i>Energies</i> , 2020, 13, 5357.	1.6	24
35	Energy efficiency in the polish residential building stock: A literature review. <i>Journal of Building Engineering</i> , 2022, 45, 103461.	1.6	24
36	Net Zero Buildings" A Framework for an Integrated Policy in Chile. <i>Sustainability</i> , 2019, 11, 1494.	1.6	23

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37	Evaluating the wind cooling potential on outdoor thermal comfort in selected Iranian climate types. <i>Journal of Thermal Biology</i> , 2020, 92, 102660.	1.1	23
38	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.	2.9	23
39	Overview and future challenges of nearly zero-energy building (nZEB) design in Eastern Europe. <i>Energy and Buildings</i> , 2022, 267, 112165.	3.1	23
40	Twenty-year tracking of lighting savings and power density in the residential sector. <i>Energy and Buildings</i> , 2017, 154, 113-126.	3.1	21
41	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.	2.5	20
42	Assessment of the Outdoor Thermal Comfort in Oases Settlements. <i>Atmosphere</i> , 2020, 11, 185.	1.0	19
43	Identification of sustainable criteria for decision-making on roof stacking construction method. <i>Sustainable Cities and Society</i> , 2019, 47, 101456.	5.1	17
44	Methodology to assess business models of dynamic pricing tariffs in all-electric houses. <i>Energy and Buildings</i> , 2020, 207, 109586.	3.1	16
45	Methodology for design decision support of cost-optimal zero-energy lightweight construction. <i>Energy and Buildings</i> , 2020, 223, 110170.	3.1	15
46	Spatial and Behavioral Thermal Adaptation in Net Zero Energy Buildings: An Exploratory Investigation. <i>Sustainability</i> , 2020, 12, 7961.	1.6	14
47	Evaluation of adaptive facades: The case study of Al Bahr Towers in the UAE. <i>Qscience Proceedings</i> , 2016, , .	0.0	13
48	Development of Spatial Distribution Maps for Energy Demand and Thermal Comfort Estimation in Algeria. <i>Sustainability</i> , 2020, 12, 6066.	1.6	11
49	Regenerative and Positive Impact Architecture. <i>SpringerBriefs in Energy</i> , 2018, , .	0.2	11
50	A Parametric Approach to Optimizing Building Construction Systems and Carbon Footprint: A Case Study Inspired by Circularity Principles. <i>Sustainability</i> , 2022, 14, 3370.	1.6	11
51	Climatic clustering analysis for novel atlas mapping and bioclimatic design recommendations. <i>Indoor and Built Environment</i> , 2021, 30, 313-333.	1.5	10
52	Quantification of the Outdoor Thermal Comfort within Different Oases Urban Fabrics. <i>Sustainability</i> , 2021, 13, 3051.	1.6	10
53	Comparison of Thermal Energy Saving Potential and Overheating Risk of Four Adaptive Façade Technologies in Office Buildings. <i>Sustainability</i> , 2022, 14, 6106.	1.6	10
54	Developing a benchmark model for renovated, nearly zero-energy, terraced dwellings. <i>Applied Energy</i> , 2022, 306, 118128.	5.1	9

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55	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, 100052.	1.7	8
56	Classification of Heritage Residential Building Stock and Defining Sustainable Retrofitting Scenarios in Khedivial Cairo. <i>Sustainability</i> , 2021, 13, 880.	1.6	8
57	Thermal comfort analysis of earth-sheltered buildings: The case of meymand village, Iran. <i>Frontiers of Architectural Research</i> , 2022, 11, 1214-1238.	1.3	8
58	Conceptual framework for off-site roof stacking construction. <i>Journal of Building Engineering</i> , 2019, 26, 100873.	1.6	7
59	Evolution of Definitions and Approaches. , 2018, , 21-51.		6
60	Roadmap for NZEB Implementation. , 2018, , 343-369.		6
61	Assessment of Passive Retrofitting Scenarios in Heritage Residential Buildings in Hot, Dry Climates. <i>Energies</i> , 2021, 14, 3359.	1.6	6
62	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.	1.0	5
63	Occupants Well-Being and Indoor Environmental Quality. , 2018, , 117-153.		5
64	Building energy efficiency policies and practices in Pakistan: A literature review. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	5
65	Analysis of the Determining Factors for the Renovation of the Walloon Residential Building Stock. <i>Sustainability</i> , 2021, 13, 2221.	1.6	5
66	Effects of Climatic Conditions, Season and Environmental Factors on CO2 Concentrations in Naturally Ventilated Primary Schools in Chile. <i>Sustainability</i> , 2021, 13, 4139.	1.6	5
67	Factors Affecting Productivity of Technical Personnel in Turkish Construction Industry: A Field Study. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 11339-11353.	1.7	5
68	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.	0.2	5
69	Advanced control strategy to maximize view and control discomforting glare: a complex adaptive facade. <i>Architectural Engineering and Design Management</i> , 2022, 18, 829-849.	1.2	5
70	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.	1.0	5
71	Developing two benchmark models for post-world war II residential buildings. <i>Energy and Buildings</i> , 2021, 244, 111052.	3.1	4
72	Strategic Decision Making for Zero Energy Buildings in Hot Climates. , 2010, , .		4

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73	Parameters and indicators used in Indoor Environmental Quality (IEQ) studies: a review. Journal of Physics: Conference Series, 2021, 2042, 012132.	0.3	4
74	Net Zero Energy Buildings Performance Indicators and Thresholds. , 2018, , 53-85.		3
75	The impact of climate change on Building Energy Simulation (BES) uncertainty - Case study from a LEED building in Egypt. IOP Conference Series: Earth and Environmental Science, 2019, 397, 012005.	0.2	3
76	Indicators and Metrics of Regenerative Design. SpringerBriefs in Energy, 2018, , 33-45.	0.2	2
77	An Experimental Study on the Use of Fonio Straw and Shea Butter Residue for Improving the Thermophysical and Mechanical Properties of Compressed Earth Blocks. Journal of Minerals and Materials Characterization and Engineering, 2020, 08, 107-132.	0.1	2
78	An impact of moisture content on the air permeability of the fibrous insulation materials. Journal of Physics: Conference Series, 2021, 2069, 012205.	0.3	2
79	Assessment of the circularity and carbon neutrality of an office building: The case of Centrum in Westerlo, Belgium. IOP Conference Series: Earth and Environmental Science, 2021, 855, 012025.	0.2	2
80	Assessment of Human Outdoor Thermal Comfort in a Palm Grove during the Date Palm Phenological Cycle. Atmosphere, 2022, 13, 379.	1.0	2
81	Towards Nearly-Zero Energy in Heritage Residential Buildings Retrofitting in Hot, Dry Climates. Sustainability, 2021, 13, 13934.	1.6	2
82	Design Principles of Regenerative Design. SpringerBriefs in Energy, 2018, , 19-32.	0.2	1
83	Smart-Decarbonized Energy Grids and NZEB Upscaling. , 2018, , 219-244.		1
84	Integrative Project Delivery and Team Roles. , 2018, , 87-116.		1
85	Materials and Environmental Impact Assessment. , 2018, , 155-187.		1
86	Introduction to NZEB and Market Accelerators. , 2018, , 1-20.		1
87	NZEB Case Studies and Learned Lessons. , 2018, , 303-341.		1
88	Definitions and Paradigm Shift. SpringerBriefs in Energy, 2018, , 13-17.	0.2	1
89	Modern History of Sustainable Architecture. SpringerBriefs in Energy, 2018, , 7-11.	0.2	1
90	Data on residential nearly Zero Energy Buildings (nZEB) design in Eastern Europe. Data in Brief, 2022, 43, 108419.	0.5	1

#	ARTICLE	IF	CITATIONS
91	Occupant Behavior and Performance Assurance. , 2018, , 273-302.		0
92	Energy Systems and Loads Operation. , 2018, , 189-218.		0
93	Construction Quality and Cost. , 2018, , 245-272.		0
94	Case Studies: Energy Efficiency Versus Regenerative Paradigm. SpringerBriefs in Energy, 2018, , 47-59.	0.2	0
95	Performance Comparison and Quantification. SpringerBriefs in Energy, 2018, , 61-80.	0.2	0
96	Resource efficiency in social sciences education/ engineering education. , 2017, , 62-84.		0
97	The assessment of outdoor thermal comfort inside oasis settlements in North Africa - Algeria. Journal of Physics: Conference Series, 2021, 2042, 012061.	0.3	0
98	Architect-friendly Analysis Tool For Bioclimatic Design In Hot Humid Climates. , 0, , .		0
99	Sensitivity Analysis of Glazing Parameters and Operational Schedules on Energy Consumption and Life Cycle Cost. , 0, , .		0