

Tarek Rakha

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.

15 papers	296 citations	7 h-index	17 g-index
18 ext. papers	425 ext. citations	4.8 avg, IF	4.32 L-index

#	Paper	IF	Citations
15	Overheating assessment in Passivhaus dwellings: the influence of prediction tools. <i>Buildings and Cities</i> , 2022 , 3, 153-167	3.3	0
14	Building envelope anomaly characterization and simulation using drone time-lapse thermography. <i>Energy and Buildings</i> , 2021 , 111754	7	1
13	Building envelope modeling calibration using aerial thermography. <i>Energy and Buildings</i> , 2021 , 233, 110648	13	13
12	Passive survivability under extreme heat events: The case of AlDarb Al Ahmar, Cairo. <i>Science and Technology for the Built Environment</i> , 2021 , 27, 1144-1163	1.8	1
11	A scoping review of non-destructive testing (NDT) techniques in building performance diagnostic inspections. <i>Construction and Building Materials</i> , 2020 , 265, 120542	6.7	21
10	Community energy by design: A simulation-based design workflow using measured data clustering to calibrate Urban Building Energy Models (UBEMs). <i>Environment and Planning B: Urban Analytics and City Science</i> , 2019 , 46, 1517-1533	2	1
9	Heat Mapping Drones: An Autonomous Computer-Vision-Based Procedure for Building Envelope Inspection Using Unmanned Aerial Systems (UAS). <i>Technology Architecture and Design</i> , 2018 , 2, 30-44	0.4	10
8	A decade analysis of residential LEED buildings market share in the United States: Trends for transitioning sustainable societies. <i>Sustainable Cities and Society</i> , 2018 , 39, 568-577	10.1	5
7	Autonomous Heat Leakage Detection from Unmanned Aerial Vehicle-Mounted Thermal Cameras 2018 ,		2
6	Profiling Occupancy Patterns to Calibrate Urban Building Energy Models (UBEMs) Using Measured Data Clustering. <i>Technology Architecture and Design</i> , 2018 , 2, 206-217	0.4	4
5	Review of Unmanned Aerial System (UAS) applications in the built environment: Towards automated building inspection procedures using drones. <i>Automation in Construction</i> , 2018 , 93, 252-264	9.6	138
4	Predicting the Daylit Area: A Comparison of Students Assessments and Simulations at Eleven Schools of Architecture. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2014 , 10, 193-206	3.5	39
3	External perforated Solar Screens for daylighting in residential desert buildings: Identification of minimum perforation percentages. <i>Solar Energy</i> , 2012 , 86, 1929-1940	6.8	36
2	Genetic algorithms for ceiling form optimization in response to daylight levels. <i>Renewable Energy</i> , 2011 , 36, 2348-2356	8.1	24
1	Diverse occupancy simulation and presence sensing viability for residential thermal energy regulation: Review and false positive modeling initial findings. <i>Science and Technology for the Built Environment</i> , 1-19	1.8	