Mohammad K Najjar

List of Publications by Year in Descending Order

21 papers	288 citations	7 h-index	16 g-index
23 ext. papers	388 ext. citations	4 avg, IF	3.93 L-index

#	Paper	IF	Citations
21	Sustainability Assessment of a Low-income Building: A BIM-LCSA-FAHP-based Analysis. *Buildings*, **2022**, 12, 181	3.2	7
20	Comparative Study of Consumption and Life-Cycle Impacts of Water Heating Systems for Residential Multi-familiar Buildings in Rio de Janeiro, Brazil. *Building Pathology and Rehabilitation*, **2021**, 137-154	0.2	
19	BIM and BEM Methodologies Integration in Energy-Efficient Buildings Using Experimental Design. *Buildings*, **2021**, 11, 491	3.2	6
18	A regression-based framework to examine thermal loads of buildings. *Journal of Cleaner Production* , **2021**, 292, 126021	10.3	3
17	Information Technologies in Complex Socio-Technical Systems Based on Functional Variability: A Case Study on HVAC Maintenance Work Orders. *Applied Sciences (Switzerland)*, **2021**, 11, 1049	2.6	1
16	Multiple Dimensions of Smart Cities Infrastructure: A Review. *Buildings*, **2021**, 11, 73	3.2	16
15	Comparison of the environmental performance of ceramic brick and concrete blocks in the vertical seals' subsystem in residential buildings using life cycle assessment. *Cleaner Engineering and Technology*, **2021**, 5, 100243	2.7	3
14	A Proposed Methodology of Life Cycle Assessment for Hot Water Building Systems. *RILEM Bookseries*, **2021**, 203-215	0.5	
13	Assessing the Retention Capacity of an Experimental Green Roof Prototype. *Water (Switzerland)*, **2020**, 12, 90	3	9
12	Urban Development Index (UDI): A Comparison between the City of Rio de Janeiro and Four Other Global Cities. *Sustainability*, **2020**, 12, 823	3.6	5
11	Sustainable Urban Development in Slum Areas in the City of Rio de Janeiro Based on LEED-ND Indicators. *Buildings*, **2020**, 10, 116	3.2	3
10	Framework for a Systematic Parametric Analysis to Maximize Energy Output of PV Modules Using an Experimental Design. *Sustainability*, **2019**, 11, 2992	3.6	4
9	Integrated optimization with building information modeling and life cycle assessment for generating energy efficient buildings. *Applied Energy*, **2019**, 250, 1366-1382	10.7	60
8	Integrating Parametric Analysis with Building Information Modeling to Improve Energy Performance of Construction Projects. *Energies*, **2019**, 12, 1515	3.1	22
7	Life cycle assessment methodology integrated with BIM as a decision-making tool at early-stages of building design. *International Journal of Construction Management*, **2019**, 1-15	1.9	17
6	A framework to estimate heat energy loss in building operation. *Journal of Cleaner Production*, **2019**, 235, 789-800	10.3	17
5	Daylight Assessment and Energy Consumption Analysis at an Early Stage of Designing Residential Buildings Integrating BIM and LCA **2019**, 79-98		2

LIST OF PUBLICATIONS

4	Integration of BIM and LCA: Evaluating the environmental impacts of building materials at an early stage of designing a typical office building. *Journal of Building Engineering*, **2017**, 14, 115-126	5.2	110
3	Assessing rainwater quality treated via a green roof system. *Clean Technologies and Environmental Policy*,1	4.3	1
2	Adapting the Olgyay bioclimatic chart to assess local thermal comfort levels in urban regions. *Clean Technologies and Environmental Policy*,1	4.3	2
1	An integrated approach of building information modelling and life cycle assessment (BIM-LCA) for gas and solar water heating systems. *International Journal of Construction Management*,1-17	1.9	0