

Mohammad K Najjar

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.

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	Integration of BIM and LCA: Evaluating the environmental impacts of building materials at an early stage of designing a typical office building. <i>Journal of Building Engineering</i> , 2017 , 14, 115-126	5.2	110
20	Integrated optimization with building information modeling and life cycle assessment for generating energy efficient buildings. <i>Applied Energy</i> , 2019 , 250, 1366-1382	10.7	60
19	Integrating Parametric Analysis with Building Information Modeling to Improve Energy Performance of Construction Projects. <i>Energies</i> , 2019 , 12, 1515	3.1	22
18	Life cycle assessment methodology integrated with BIM as a decision-making tool at early-stages of building design. <i>International Journal of Construction Management</i> , 2019 , 1-15	1.9	17
17	A framework to estimate heat energy loss in building operation. <i>Journal of Cleaner Production</i> , 2019 , 235, 789-800	10.3	17
16	Multiple Dimensions of Smart Cities Infrastructure: A Review. <i>Buildings</i> , 2021 , 11, 73	3.2	16
15	Assessing the Retention Capacity of an Experimental Green Roof Prototype. <i>Water (Switzerland)</i> , 2020 , 12, 90	3	9
14	Sustainability Assessment of a Low-income Building: A BIM-LCSA-FAHP-based Analysis. <i>Buildings</i> , 2022 , 12, 181	3.2	7
13	BIM and BEM Methodologies Integration in Energy-Efficient Buildings Using Experimental Design. <i>Buildings</i> , 2021 , 11, 491	3.2	6
12	Urban Development Index (UDI): A Comparison between the City of Rio de Janeiro and Four Other Global Cities. <i>Sustainability</i> , 2020 , 12, 823	3.6	5
11	Framework for a Systematic Parametric Analysis to Maximize Energy Output of PV Modules Using an Experimental Design. <i>Sustainability</i> , 2019 , 11, 2992	3.6	4
10	Sustainable Urban Development in Slum Areas in the City of Rio de Janeiro Based on LEED-ND Indicators. <i>Buildings</i> , 2020 , 10, 116	3.2	3
9	A regression-based framework to examine thermal loads of buildings. <i>Journal of Cleaner Production</i> , 2021 , 292, 126021	10.3	3
8	Comparison of the environmental performance of ceramic brick and concrete blocks in the vertical seals' subsystem in residential buildings using life cycle assessment. <i>Cleaner Engineering and Technology</i> , 2021 , 5, 100243	2.7	3
7	Daylight Assessment and Energy Consumption Analysis at an Early Stage of Designing Residential Buildings Integrating BIM and LCA 2019 , 79-98		2
6	Adapting the Olgay bioclimatic chart to assess local thermal comfort levels in urban regions. <i>Clean Technologies and Environmental Policy</i> , 2021 , 1	4.3	2
5	Assessing rainwater quality treated via a green roof system. <i>Clean Technologies and Environmental Policy</i> , 2021 , 1	4.3	1

4	Information Technologies in Complex Socio-Technical Systems Based on Functional Variability: A Case Study on HVAC Maintenance Work Orders. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1049	2.6	1
3	An integrated approach of building information modelling and life cycle assessment (BIM-LCA) for gas and solar water heating systems. <i>International Journal of Construction Management</i> , 1-17	1.9	0
2	Comparative Study of Consumption and Life-Cycle Impacts of Water Heating Systems for Residential Multi-familiar Buildings in Rio de Janeiro, Brazil. <i>Building Pathology and Rehabilitation</i> , 2021 , 137-154	0.2	
1	A Proposed Methodology of Life Cycle Assessment for Hot Water Building Systems. <i>RILEM Bookseries</i> , 2021 , 203-215	0.5	