

Omar H El-Anwar

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	351 citations	12 h-index	18 g-index
27 ext. papers	411 ext. citations	4.5 avg, IF	3.57 L-index

#	Paper	IF	Citations
21	Optimization Research: Enhancing the Robustness of Large-Scale Multiobjective Optimization in Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 17-25	4.2	42
20	An automated system for optimizing post-disaster temporary housing allocation. <i>Automation in Construction</i> , 2009 , 18, 983-993	9.6	36
19	Maximizing the Sustainability of Integrated Housing Recovery Efforts. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 794-802	4.2	34
18	Civil Engineering Grand Challenges: Opportunities for Data Sensing, Information Analysis, and Knowledge Discovery. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 04014013	5	33
17	Optimizing Large-Scale Temporary Housing Arrangements after Natural Disasters. <i>Journal of Computing in Civil Engineering</i> , 2009 , 23, 110-118	5	33
16	Multi-Objective Optimization of Temporary Housing for the 1994 Northridge Earthquake. <i>Journal of Earthquake Engineering</i> , 2008 , 12, 81-91	1.8	27
15	Efficient Optimization of Post-Disaster Reconstruction of Transportation Networks. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04015047	5	18
14	Computing a Displacement Distance Equivalent to Optimize Plans for Postdisaster Temporary Housing Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 174-184	4.2	18
13	Maximizing Temporary Housing Safety after Natural Disasters. <i>Journal of Infrastructure Systems</i> , 2010 , 16, 138-148	2.9	18
12	Minimization of socioeconomic disruption for displaced populations following disasters. <i>Disasters</i> , 2010 , 34, 865-83	2.8	17
11	Socioeconomic impact assessment of highly dense-urban construction projects. <i>Automation in Construction</i> , 2018 , 92, 230-241	9.6	14
10	Maximizing the Computational Efficiency of Temporary Housing Decision Support Following Disasters. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 113-123	5	12
9	Maximising the net social benefit of the construction of post-disaster alternative housing projects. <i>Disasters</i> , 2013 , 37, 489-515	2.8	10
8	Innovative Linear Formulation for Transportation Reconstruction Planning. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04015048	5	7
7	Integrated Urban-Construction Planning Framework for Slum Upgrading Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140,	4.2	7
6	IPD in Practice: Sustaining Collaboration in Healthcare Design and Construction 2013 ,		7
5	Automated Community-Based Housing Response: Offering Temporary Housing Solutions Tailored to Displaced Populations Needs. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04016019	5	6

4	Advancing Optimization of Hybrid Housing Development Plans Following Disasters: Achieving Computational Robustness, Effectiveness, and Efficiency. <i>Journal of Computing in Civil Engineering</i> , 2013 , 27, 358-369	5	5
3	An Automated System for Optimizing Temporary Housing Arrangements after Natural Disasters 2009 ,		5
2	Optimizing Alternative Housing Projects in the Aftermath of Natural Disasters 2010 ,		1
1	Quantifying the Impacts of Failures of Departments of Transportation Building Systems on Road System Users. <i>Transportation Research Record</i> , 2014 , 2440, 85-93	1.7	