Omar H El-Anwar

List of Publications by Year in Descending Order

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	Socioeconomic impact assessment of highly dense-urban construction projects. *Automation in Construction*, **2018**, 92, 230-241	9.6	14
20	Efficient Optimization of Post-Disaster Reconstruction of Transportation Networks. *Journal of Computing in Civil Engineering*, **2016**, 30, 04015047	5	18
19	Innovative Linear Formulation for Transportation Reconstruction Planning. *Journal of Computing in Civil Engineering*, **2016**, 30, 04015048	5	7
18	Automated Community-Based Housing Response: Offering Temporary Housing Solutions Tailored to Displaced Populations Needs. *Journal of Computing in Civil Engineering*, **2016**, 30, 04016019	5	6
17	Quantifying the Impacts of Failures of Departments of Transportation Building Systems on Road System Users. *Transportation Research Record*, **2014**, 2440, 85-93	1.7	
16	Civil Engineering Grand Challenges: Opportunities for Data Sensing, Information Analysis, and Knowledge Discovery. *Journal of Computing in Civil Engineering*, **2014**, 28, 04014013	5	33
15	Integrated Urban-Construction Planning Framework for Slum Upgrading Projects. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140,	4.2	7
14	Maximizing the Computational Efficiency of Temporary Housing Decision Support Following Disasters. *Journal of Computing in Civil Engineering*, **2014**, 28, 113-123	5	12
13	IPD in Practice: Sustaining Collaboration in Healthcare Design and Construction **2013**,		7
12	Advancing Optimization of Hybrid Housing Development Plans Following Disasters: Achieving Computational Robustness, Effectiveness, and Efficiency. *Journal of Computing in Civil Engineering*, **2013**, 27, 358-369	5	5
11	Computing a Displacement Distance Equivalent to Optimize Plans for Postdisaster Temporary Housing Projects. *Journal of Construction Engineering and Management - ASCE*, **2013**, 139, 174-184	4.2	18
10	Maximising the net social benefit of the construction of post-disaster alternative housing projects. *Disasters*, **2013**, 37, 489-515	2.8	10
9	Minimization of socioeconomic disruption for displaced populations following disasters. *Disasters*, **2010**, 34, 865-83	2.8	17
8	Maximizing the Sustainability of Integrated Housing Recovery Efforts. *Journal of Construction Engineering and Management - ASCE*, **2010**, 136, 794-802	4.2	34
7	Maximizing Temporary Housing Safety after Natural Disasters. *Journal of Infrastructure Systems*, **2010**, 16, 138-148	2.9	18
6	Optimization Research: Enhancing the Robustness of Large-Scale Multiobjective Optimization in Construction. *Journal of Construction Engineering and Management - ASCE*, **2010**, 136, 17-25	4.2	42
5	Optimizing Alternative Housing Projects in the Aftermath of Natural Disasters **2010**,		1

LIST OF PUBLICATIONS

4	An Automated System for Optimizing Temporary Housing Arrangements after Natural Disasters **2009**,		5
3	Optimizing Large-Scale Temporary Housing Arrangements after Natural Disasters. *Journal of Computing in Civil Engineering*, **2009**, 23, 110-118	5	33
2	An automated system for optimizing post-disaster temporary housing allocation. *Automation in Construction*, **2009**, 18, 983-993	9.6	36
1	Multi-Objective Optimization of Temporary Housing for the 1994 Northridge Earthquake. *Journal of Earthquake Engineering*, **2008**, 12, 81-91	1.8	27