

# Ahmed M Khalafallah

## List of Publications by Citations

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**Version:** 2024-04-26

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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.

19  
papers

261  
citations

8  
h-index

16  
g-index

22  
ext. papers

292  
ext. citations

4.3  
avg, IF

3.37  
L-index

#	Paper	IF	Citations
19	Trade-off between Safety and Cost in Planning Construction Site Layouts. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2005</b> , 131, 1186-1195	4.2	93
18	Automated multi-objective optimization system for airport site layouts. <i>Automation in Construction</i> , <b>2011</b> , 20, 313-320	9.6	30
17	Minimizing Construction-Related Security Risks during Airport Expansion Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2008</b> , 134, 40-48	4.2	29
16	Neural network based model for predicting housing market performance. <i>Tsinghua Science and Technology</i> , <b>2008</b> , 13, 325-328	3.4	24
15	Minimizing Construction-Related Hazards in Airport Expansion Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2006</b> , 132, 562-572	4.2	20
14	Optimizing Airport Construction Site Layouts to Minimize Wildlife Hazards. <i>Journal of Management in Engineering - ASCE</i> , <b>2006</b> , 22, 176-185	5.3	15
13	Handling Risks of Quantity Variations in Unit-Price Contracts. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017079	4.2	13
12	Electimize: New Evolutionary Algorithm for Optimization with Application in Construction Engineering. <i>Journal of Computing in Civil Engineering</i> , <b>2011</b> , 25, 192-201	5	10
11	Bilevel Standards-Compliant Platform for Evaluating Building Contractor Safety. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2019</b> , 145, 04019054	4.2	5
10	Automating Highway Infrastructure Maintenance Using Unmanned Aerial Vehicles <b>2018</b> ,		4
9	Change Orders: Automating Comparative Data Analysis and Controlling Impacts in Public Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2019</b> , 145, 04019064	4.2	3
8	Change Order Disputes: Technical Causes and Negative Effects in Kuwait <b>2018</b> ,		3
7	Using Electimize to Solve the Time-Cost-Tradeoff Problem in Construction Engineering <b>2011</b> ,		3
6	Application of Electimize in Solving the Construction Site Layout Planning Optimization Problem <b>2012</b> ,		3
5	Framework For A Multi-Level Evolutionary Algorithm For Construction Optimization <b>2009</b> ,		2
4	Modeling Combinatorial Optimization Problems using Electimize. <i>Procedia Computer Science</i> , <b>2013</b> , 16, 449-458	1.6	1
3	Introduction of a New Optimization Mechanism for Electimize <b>2011</b> ,		1

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|---|--|-----|
| 2 | Optimization Parameter Variation: Improving Biobjective Optimization of Temporary Facility Planning. <i>Journal of Computing in Civil Engineering</i> , <b>2018</b> , 32, 04018036 | 5   |
| 1 | Port Construction Planning: Automated System for Projecting Expansion Needs. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2020</b> , 146, 04020040         | 1.7 |