

Tarek Hegazy

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,401
citations

361045

20
h-index

360668

35
g-index

61
all docs

61
docs citations

61
times ranked

869
citing authors

#	ARTICLE	IF	CITATIONS
1	Schedule optimization for scattered repetitive projects. Automation in Construction, 2022, 133, 104042.	4.8	8
2	Agent-based simulation of workers' behaviors, productivity, and safety around construction obstacles. Canadian Journal of Civil Engineering, 2021, 48, 969-978.	0.7	3
3	Tetris-inspired approach for generating tightly-packed repetitive schedules. Automation in Construction, 2021, 124, 103601.	4.8	14
4	Enhanced But-For Method to Apportion Net Delays and Accelerations. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	4
5	Enhanced Daily Windows Delay-Analysis Technique. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2021, 13, .	0.9	5
6	Data mining of school inspection reports to identify the assets with top renewal priority. Journal of Building Engineering, 2021, 41, 102404.	1.6	3
7	Enhanced Repetitive-Scheduling Computation and Visualization. Journal of Construction Engineering and Management - ASCE, 2020, 146, 04020118.	2.0	17
8	Hands-On Class Exercise for Efficient Planning and Execution of Modular Construction. Journal of Civil Engineering Education, 2020, 146, .	0.8	7
9	Improving Concurrency Assessment and Resolving Misconceptions about But-For Delay Analysis Technique. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2020, 12, 04520007.	0.9	8
10	An Analytical Hierarchy Process-based system to evaluate the life-cycle performance of buildings at early design stage. Journal of Building Engineering, 2020, 31, 101364.	1.6	19
11	Economic optimization for the rehabilitation of co-located mixed assets. Canadian Journal of Civil Engineering, 2017, 44, 820-828.	0.7	2
12	Holistic Analysis of Infrastructure Deterioration and Rehabilitation Using System Dynamics. Journal of Infrastructure Systems, 2016, 22, .	1.0	23
13	Strategic policy analysis for infrastructure rehabilitation using system dynamics. Structure and Infrastructure Engineering, 2016, 12, 667-681.	2.0	10
14	Dynamic System for Prioritizing and Accelerating Inspections to Support Capital Renewal of Buildings. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	6
15	Enhanced benefit-cost analysis for infrastructure fund allocation. Canadian Journal of Civil Engineering, 2015, 42, 89-97.	0.7	5
16	Capital renewal optimisation for large-scale infrastructure networks: genetic algorithms versus advanced mathematical tools. Structure and Infrastructure Engineering, 2015, 11, 253-262.	2.0	25
17	Multimode Resource-Constrained Scheduling and Leveling for Practical-Size Projects. Journal of Management in Engineering - ASCE, 2015, 31, .	2.6	33
18	Multicriteria Assessment and Prioritization of Hospital Renewal Needs. Journal of Performance of Constructed Facilities, 2014, 28, 528-538.	1.0	23

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19	A microeconomic perspective on infrastructure rehabilitation. Construction Management and Economics, 2014, 32, 433-445.	1.8	2
20	Framework for enhanced progress tracking and control of linear projects. Engineering, Construction and Architectural Management, 2014, 21, 94-110.	1.8	14
21	Discussion of "Ant Colony Optimization for Multimode Resource-Constrained Project Scheduling" by Hong Zhang. Journal of Management in Engineering - ASCE, 2014, 30, 07014001.	2.6	1
22	Fast and Near-Optimum Schedule Optimization for Large-Scale Projects. Journal of Construction Engineering and Management - ASCE, 2013, 139, 1117-1124.	2.0	25
23	Hands-On Exercise for Enhancing Students' Construction Management Skills. Journal of Construction Engineering and Management - ASCE, 2013, 139, 1135-1143.	2.0	13
24	Enhancing Construction As-Built Documentation Using Interactive Voice Response. Journal of Construction Engineering and Management - ASCE, 2013, 139, 895-898.	2.0	16
25	Large-Scale Asset Renewal Optimization Using Genetic Algorithms plus Segmentation. Journal of Computing in Civil Engineering, 2013, 27, 419-426.	2.5	9
26	Building asset management with deficiency tracking and integrated life cycle optimisation. Structure and Infrastructure Engineering, 2012, 8, 729-738.	2.0	24
27	Heuristic Method for Satisfying Both Deadlines and Resource Constraints. Journal of Construction Engineering and Management - ASCE, 2012, 138, 688-696.	2.0	22
28	Enhancing the critical path segments scheduling technique for project control This paper is one of a selection of papers in this Special Issue on Construction Engineering and Management.. Canadian Journal of Civil Engineering, 2012, 39, 968-977.	0.7	6
29	MOST-FIT: Support Techniques for Inspection and Life Cycle Optimization in Building Asset Management. Computer-Aided Civil and Infrastructure Engineering, 2012, 27, 130-142.	6.3	15
30	Email-based system for documenting construction as-built details. Automation in Construction, 2012, 24, 130-137.	4.8	21
31	Multi-criteria decision analysis for infrastructure privatisation using conflict resolution. Structure and Infrastructure Engineering, 2011, 7, 661-671.	2.0	13
32	Discussion of "Time-Profit Trade-Off Analysis for Construction Projects" by Ahmed Senouci and Khaled El-Rayes. Journal of Construction Engineering and Management - ASCE, 2011, 137, 96-97.	2.0	0
33	Multiple optimization and segmentation technique (MOST) for large-scale bilevel life cycle optimization. Canadian Journal of Civil Engineering, 2011, 38, 263-271.	0.7	18
34	Optimum compromise among environmental dispute issues using attitude based negotiation. Canadian Journal of Civil Engineering, 2011, 38, 184-190.	0.7	8
35	Roof deterioration and impact: A questionnaire survey. Journal of Retail and Leisure Property, 2010, 9, 337-348.	0.4	6
36	Critical Path Segments Scheduling Technique. Journal of Construction Engineering and Management - ASCE, 2010, 136, 1078-1085.	2.0	36

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37	Considering Attitudes in Strategic Negotiation over Brownfield Disputes. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2010, 2, 240-247.	0.9	20
38	Integrated Multiple-Element Bridge Management System. Journal of Bridge Engineering, 2009, 14, 179-187.	1.4	11
39	Delay Analysis under Multiple Baseline Updates. Journal of Construction Engineering and Management - ASCE, 2008, 134, 575-582.	2.0	28
40	Efficient Repetitive Scheduling for High-Rise Construction. Journal of Construction Engineering and Management - ASCE, 2008, 134, 253-264.	2.0	53
41	Uncertainty analysis in construction conflict resolution using Information-Gap theory. , 2007, , .		2
42	Negotiation characteristics in brownfield redevelopment projects. , 2007, , .		12
43	A modified shuffled frog-leaping optimization algorithm: applications to project management. Structure and Infrastructure Engineering, 2007, 3, 53-60.	2.0	158
44	Comparison of Two Evolutionary Algorithms for Optimization of Bridge Deck Repairs. Computer-Aided Civil and Infrastructure Engineering, 2006, 21, 561-572.	6.3	90
45	Computerized System for Efficient Delivery of Infrastructure Maintenance/Repair Programs. Journal of Construction Engineering and Management - ASCE, 2006, 132, 26-34.	2.0	15
46	Closure to "Reconstruction of the Building Infrastructure: Two Performance Prediction Models" by Mohamed Attalla, Tarek Hegazy, and Ralph Haas. Journal of Infrastructure Systems, 2005, 11, 269-269.	1.0	0
47	Graphical Approach for Manpower Planning in Infrastructure Networks. Journal of Construction Engineering and Management - ASCE, 2005, 131, 168-175.	2.0	8
48	Keeping Better Site Records Using Intelligent Bar Charts. Journal of Construction Engineering and Management - ASCE, 2005, 131, 513-521.	2.0	18
49	Apportioning Concurrent Delays and Accelerations Using Daily Windows. , 2005, , 1.		4
50	Daily Windows Delay Analysis. Journal of Construction Engineering and Management - ASCE, 2005, 131, 505-512.	2.0	60
51	Modified But-For Method for Delay Analysis. Journal of Construction Engineering and Management - ASCE, 2005, 131, 1142-1144.	2.0	33
52	In-House Delivery of Multiple-Small Reconstruction Projects. Journal of Management in Engineering - ASCE, 2004, 20, 25-31.	2.6	13
53	Distributed Scheduling Model for Infrastructure Networks. Journal of Construction Engineering and Management - ASCE, 2004, 130, 160-167.	2.0	48
54	Dynamic Layout of Construction Temporary Facilities Considering Safety. Journal of Construction Engineering and Management - ASCE, 2004, 130, 534-541.	2.0	130

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55	Reconstruction of the Building Infrastructure: Two Performance Prediction Models. Journal of Infrastructure Systems, 2003, 9, 26-34.	1.0	5
56	Genetic Optimization for Dynamic Project Control. Journal of Construction Engineering and Management - ASCE, 2003, 129, 396-404.	2.0	49
57	A Hybrid AI-Based System for Site Layout Planning in Construction. Computer-Aided Civil and Infrastructure Engineering, 2001, 16, 79-93.	6.3	62
58	Cost Optimization in Projects with Repetitive Nonserial Activities. Journal of Construction Engineering and Management - ASCE, 2001, 127, 183-191.	2.0	116
59	Multiple-window Modified But-For analysis of project delays and accelerations. International Journal of Construction Management, 0, , 1-15.	2.2	1
60	Computerized DSS for evaluating design performance of residential buildings using additive weighting approach. Architectural Engineering and Design Management, 0, , 1-21.	1.2	1