Rifat Sonmez

List of Publications by Year
in descending order

24 papers	1,205 citations	567144 15 h-index	642610 23 g-index
24 all docs	24 docs citations	24 times ranked	1024 citing authors

#	Article	IF	Citations
1	Safety risk assessment using analytic hierarchy process (AHP) during planning and budgeting of construction projects. Journal of Safety Research, 2013, 46, 99-105.	1.7	285
2	Construction Labor Productivity Modeling with Neural Networks. Journal of Construction Engineering and Management - ASCE, 1998, 124, 498-504.	2.0	125
3	A hybrid genetic algorithm for the discrete time–cost trade-off problem. Expert Systems With Applications, 2012, 39, 11428-11434.	4.4	110
4	A smart contract system for security of payment of construction contracts. Automation in Construction, 2020, 120, 103401.	4.8	106
5	Conceptual cost estimation of building projects with regression analysis and neural networks. Canadian Journal of Civil Engineering, 2004, 31, 677-683.	0.7	90
6	Discrete particle swarm optimization method for the large-scale discrete time–cost trade-off problem. Expert Systems With Applications, 2016, 51, 177-185.	4.4	77
7	Parametric Range Estimating of Building Costs Using Regression Models and Bootstrap. Journal of Construction Engineering and Management - ASCE, 2008, 134, 1011-1016.	2.0	61
8	Quantiative Methodology for Determination of Cost Contingency in International Projects. Journal of Management in Engineering - ASCE, 2007, 23, 35-39.	2.6	47
9	Range estimation of construction costs using neural networks with bootstrap prediction intervals. Expert Systems With Applications, 2011, 38, 9913-9917.	4.4	47
10	Hybrid Genetic Algorithm with Simulated Annealing for Resource-Constrained Project Scheduling. Journal of Management in Engineering - ASCE, 2015, 31, 04014082.	2.6	44
11	PREDESIGN COST ESTIMATION OF URBAN RAILWAY PROJECTS WITH PARAMETRIC MODELING. Journal of Civil Engineering and Management, 2009, 15, 405-409.	1.9	36
12	Pareto Front Particle Swarm Optimizer for Discrete Time-Cost Trade-Off Problem. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	32
13	Backward-Forward Hybrid Genetic Algorithm for Resource-Constrained Multiproject Scheduling Problem. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	29
14	A support vector machine method for bid/no bid decision making. Journal of Civil Engineering and Management, 2017, 23, 641-649.	1.9	27
15	BIM integrated smart contract for construction project progress payment administration. Automation in Construction, 2022, 139, 104294.	4.8	27
16	Hybrid Optimization Method for Large-Scale Multimode Resource-Constrained Project Scheduling Problem. Journal of Management in Engineering - ASCE, 2016, 32, .	2.6	17
17	Blockchain in project management: a systematic review of use cases and a design decision framework. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 8433-8447.	3.3	10
18	Critical Sequence Crashing Heuristic for Resource-Constrained Discrete Time–Cost Trade-Off Problem. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	9

#	Article	IF	Citations
19	Activity Uncrashing Heuristic with Noncritical Activity Rescheduling Method for the Discrete Time-Cost Trade-Off Problem. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	9
20	Impact of occasional overtime on construction labor productivity: quantitative analysis. Canadian Journal of Civil Engineering, 2007, 34, 803-808.	0.7	7
21	Geographic information systemâ€"based visualization system for planning and monitoring of repetitive construction projects. Canadian Journal of Civil Engineering, 2008, 35, 1342-1346.	0.7	5
22	A graphical processing unitâ€based parallel hybrid genetic algorithm for resourceâ€constrained multiâ€project scheduling problem. Concurrency Computation Practice and Experience, 2021, 33, e6266.	1.4	2
23	A mixed integer programming method for multi-project resource leveling. Journal of Construction Engineering Management & Innovation, 2020, 3, 131-140.	0.6	2
24	Discussion of â€œArtificial Intelligence and Parametric Construction Cost Estimate Modeling: State-of-the-Art Reviewâ€•by Haytham H. Elmousalami. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	1