

# I-Tung Yang

## List of Publications by Year in Descending Order

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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.

24  
papers

478  
citations

15  
h-index

21  
g-index

25  
ext. papers

535  
ext. citations

5.8  
avg, IF

4.25  
L-index

#	Paper	IF	Citations
24	Efficient Reliability Analysis of Structures Using Symbiotic Organisms Search-Based Active Learning Support Vector Machine. <i>Buildings</i> , <b>2022</b> , 12, 455	3.2	
23	Use of Evolutionary Computation to Improve Rock Slope Back Analysis. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2012	2.6	2
22	Integrated multiobjective framework for reliability-based design optimization with discrete design variables. <i>Automation in Construction</i> , <b>2016</b> , 63, 162-172	9.6	7
21	Repetitive Scheduling Method: Requirements, Modeling, and Implementation. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2016</b> , 142, 04016002	4.2	26
20	Use of Support Vector Regression to Improve Computational Efficiency of Stochastic Time-Cost Trade-Off. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2014</b> , 140, 04013036	4.2	10
19	Reliability-based design optimization with cooperation between support vector machine and particle swarm optimization. <i>Engineering With Computers</i> , <b>2013</b> , 29, 151-163	4.5	22
18	Automatic repair of inconsistent pairwise weighting matrices in analytic hierarchy process. <i>Automation in Construction</i> , <b>2012</b> , 22, 290-297	9.6	28
17	Parallel Computing Platform for Multiobjective Simulation Optimization of Bridge Maintenance Planning. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2012</b> , 138, 215-226	4.2	22
16	Stochastic time-cost tradeoff analysis: A distribution-free approach with focus on correlation and stochastic dominance. <i>Automation in Construction</i> , <b>2011</b> , 20, 916-926	9.6	21
15	Multiobjective optimization for manpower assignment in consulting engineering firms. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 1183-1190	7.5	22
14	Reliability-based design optimization with discrete design variables and non-smooth performance functions: AB-PSO algorithm. <i>Automation in Construction</i> , <b>2011</b> , 20, 610-619	9.6	22
13	Risk-based Multiobjective Optimization Model for Bridge Maintenance Planning <b>2010</b> ,		1
12	Resource-constrained scheduling for continuous repetitive projects with time-based production units. <i>Automation in Construction</i> , <b>2009</b> , 18, 942-949	9.6	23
11	Probabilistic simulation for developing likelihood distribution of engineering project cost. <i>Automation in Construction</i> , <b>2009</b> , 18, 570-577	9.6	42
10	Utility-based decision support system for schedule optimization. <i>Decision Support Systems</i> , <b>2008</b> , 44, 595-605	5.6	21
9	Distribution-Free Monte Carlo Simulation: Premise and Refinement. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2008</b> , 134, 352-360	4.2	21
8	Performing complex project crashing analysis with aid of particle swarm optimization algorithm. <i>International Journal of Project Management</i> , <b>2007</b> , 25, 637-646	7.6	34

7	Risk Modeling of Dependence among Project Task Durations. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2007</b> , 22, 419-429	8.4	9
6	Using Elitist Particle Swarm Optimization to Facilitate Bicriterion Time-Cost Trade-Off Analysis. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2007</b> , 133, 498-505	4.2	72
5	Impact of budget uncertainty on project time-cost tradeoff. <i>IEEE Transactions on Engineering Management</i> , <b>2005</b> , 52, 167-174	2.6	35
4	Chance-Constrained Time-Cost Tradeoff Analysis Considering Funding Variability. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2005</b> , 131, 1002-1012	4.2	30
3	Discussion of Comparison of Linear Scheduling Model and Repetitive Scheduling Method by Kris G. Mattila and Amy Park. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2004</b> , 130, 461-463	4.2	5
2	Discussion of Algorithm for Determining Controlling Path Considering Resource Continuity by Mohammad A. Ammar and Emad Elbeltagi. <i>Journal of Computing in Civil Engineering</i> , <b>2003</b> , 17, 70-72	5	3
1	SEMA: A Site Equipment Management Assistant for Construction Management. <i>KSCE Journal of Civil Engineering</i> , 1	1.9	0