

W Matthew Carlyle

List of Publications by Citations

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Version: 2024-04-28

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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

822
citations

15
h-index

24
g-index

24
ext. papers

928
ext. citations

1.9
avg, IF

3.88
L-index

#	Paper	IF	Citations
24	A modified shifting bottleneck heuristic for minimizing total weighted tardiness in complex job shops. <i>Journal of Scheduling</i> , 2002 , 5, 247-262	1.6	132
23	Operational models of infrastructure resilience. <i>Risk Analysis</i> , 2015 , 35, 562-86	3.9	86
22	Interdicting a Nuclear-Weapons Project. <i>Operations Research</i> , 2009 , 57, 866-877	2.3	70
21	Lagrangian relaxation and enumeration for solving constrained shortest-path problems. <i>Networks</i> , 2008 , 52, 256-270	1.6	67
20	Response Surface Modeling and Optimization in Multiresponse Experiments Using Seemingly Unrelated Regressions. <i>Quality Engineering</i> , 2004 , 16, 387-397	1.4	55
19	Analyzing the Vulnerability of Critical Infrastructure to Attack and Planning Defenses 2005 , 102-123		48
18	Scheduling of unrelated parallel machines: an application to PWB manufacturing. <i>IIE Transactions</i> , 2002 , 34, 921-931		44
17	Near-shortest and K-shortest simple paths. <i>Networks</i> , 2005 , 46, 98-109	1.6	40
16	Underground Planning at Stillwater Mining Company. <i>Interfaces</i> , 2001 , 31, 50-60	0.7	40
15	Analysis of Supersaturated Designs. <i>Journal of Quality Technology</i> , 2003 , 35, 13-27	1.4	39
14	Solving Defender-Attacker-Defender Models for Infrastructure Defense		32
13	Quantitative Comparison of Approximate Solution Sets for Bi-criteria Optimization Problems*. <i>Decision Sciences</i> , 2003 , 34, 63-82	3.7	29
12	A Genetic Algorithm Hybrid for Constructing Optimal Response Surface Designs. <i>Quality and Reliability Engineering International</i> , 2004 , 20, 637-650	2.6	23
11	Assessing and Improving Operational Resilience of Critical Infrastructures and Other Systems 2014 , 180-215		22
10	Assessing and Improving the Operational Resilience of a Large Highway Infrastructure System to Worst-Case Losses. <i>Transportation Science</i> , 2018 , 52, 1012-1034	4.4	16
9	Optimizing the US Navy's combat logistics force. <i>Naval Research Logistics</i> , 2008 , 55, 800-810	1.5	15
8	On the Complexity of Delaying an Adversary's Project 2005 , 3-17		13

7	The Use of Supersaturated Experiments in Turbine Engine Development. <i>Quality Engineering</i> , 2007 , 19, 17-27	1.4	12
6	Scheduling of unrelated parallel machines: an application to PWB manufacturing. <i>IIE Transactions</i> , 2002 , 34, 921-931		12
5	Some notes on the construction and evaluation of supersaturated designs. <i>Quality and Reliability Engineering International</i> , 2002 , 18, 299-304	2.6	9
4	Evaluating solution sets of a posteriori solution techniques for bi-criteria combinatorial optimization problems. <i>Journal of Scheduling</i> , 2005 , 8, 75-96	1.6	6
3	A New Technique to Compare Algorithms for Bi-criteria Combinatorial Optimization Problems. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2001 , 113-123	0.4	6
2	Comparison of Multiple Objective Genetic Algorithms for Parallel Machine Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2001 , 472-485	0.9	5
1	Allocating capacity in parallel queues to improve their resilience to deliberate attack. <i>Naval Research Logistics</i> , 2011 , 58, 731-742	1.5	1