

# W Matthew Carlyle

## 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

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	Assessing and Improving the Operational Resilience of a Large Highway Infrastructure System to Worst-Case Losses. <i>Transportation Science</i> , <b>2018</b> , 52, 1012-1034	4.4	16
23	Operational models of infrastructure resilience. <i>Risk Analysis</i> , <b>2015</b> , 35, 562-86	3.9	86
22	Assessing and Improving Operational Resilience of Critical Infrastructures and Other Systems <b>2014</b> , 180-215		22
21	Allocating capacity in parallel queues to improve their resilience to deliberate attack. <i>Naval Research Logistics</i> , <b>2011</b> , 58, 731-742	1.5	1
20	Interdicting a Nuclear-Weapons Project. <i>Operations Research</i> , <b>2009</b> , 57, 866-877	2.3	70
19	Optimizing the US Navy's combat logistics force. <i>Naval Research Logistics</i> , <b>2008</b> , 55, 800-810	1.5	15
18	Lagrangian relaxation and enumeration for solving constrained shortest-path problems. <i>Networks</i> , <b>2008</b> , 52, 256-270	1.6	67
17	The Use of Supersaturated Experiments in Turbine Engine Development. <i>Quality Engineering</i> , <b>2007</b> , 19, 17-27	1.4	12
16	Near-shortest and K-shortest simple paths. <i>Networks</i> , <b>2005</b> , 46, 98-109	1.6	40
15	Evaluating solution sets of a posteriori solution techniques for bi-criteria combinatorial optimization problems. <i>Journal of Scheduling</i> , <b>2005</b> , 8, 75-96	1.6	6
14	On the Complexity of Delaying an Adversary's Project <b>2005</b> , 3-17		13
13	Analyzing the Vulnerability of Critical Infrastructure to Attack and Planning Defenses <b>2005</b> , 102-123		48
12	A Genetic Algorithm Hybrid for Constructing Optimal Response Surface Designs. <i>Quality and Reliability Engineering International</i> , <b>2004</b> , 20, 637-650	2.6	23
11	Response Surface Modeling and Optimization in Multiresponse Experiments Using Seemingly Unrelated Regressions. <i>Quality Engineering</i> , <b>2004</b> , 16, 387-397	1.4	55
10	Analysis of Supersaturated Designs. <i>Journal of Quality Technology</i> , <b>2003</b> , 35, 13-27	1.4	39
9	Quantitative Comparison of Approximate Solution Sets for Bi-criteria Optimization Problems*. <i>Decision Sciences</i> , <b>2003</b> , 34, 63-82	3.7	29
8	A modified shifting bottleneck heuristic for minimizing total weighted tardiness in complex job shops. <i>Journal of Scheduling</i> , <b>2002</b> , 5, 247-262	1.6	132

7	Some notes on the construction and evaluation of supersaturated designs. <i>Quality and Reliability Engineering International</i> , <b>2002</b> , 18, 299-304	2.6	9
6	Scheduling of unrelated parallel machines: an application to PWB manufacturing. <i>IIE Transactions</i> , <b>2002</b> , 34, 921-931		12
5	Scheduling of unrelated parallel machines: an application to PWB manufacturing. <i>IIE Transactions</i> , <b>2002</b> , 34, 921-931		44
4	Underground Planning at Stillwater Mining Company. <i>Interfaces</i> , <b>2001</b> , 31, 50-60	0.7	40
3	A New Technique to Compare Algorithms for Bi-criteria Combinatorial Optimization Problems. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2001</b> , 113-123	0.4	6
2	Comparison of Multiple Objective Genetic Algorithms for Parallel Machine Scheduling Problems. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 472-485	0.9	5
1	Solving Defender-Attacker-Defender Models for Infrastructure Defense		32