R Kevin Wood

List of Publications by Year
in descending order

36 papers	3,609 citations	448610 19 h-index	488211 31 g-index
37 all docs	37 docs citations	37 times ranked	2501 citing authors

#	Article	IF	Citations
1	Assessing and Improving the Operational Resilience of a Large Highway Infrastructure System to Worst-Case Losses. Transportation Science, 2018, 52, 1012-1034.	2.6	28
2	Hierarchical Benders Decomposition for Open-Pit Mine Block Sequencing. Operations Research, 2016, 64, 771-793.	1.2	12
3	Benders decomposition: Solving binary master problems by enumeration. Operations Research Letters, 2016, 44, 80-85.	0.5	5
4	The Value of Recovery Transformers in Protecting an Electric Transmission Grid Against Attack. IEEE Transactions on Power Systems, 2015, 30, 2396-2403.	4.6	14
5	Theoretical and computational advances for network diversion. Networks, 2013, 62, 225-242.	1.6	1
6	A sliding time window heuristic for open pit mine block sequencing. Optimization Letters, 2011, 5, 365-377.	0.9	74
7	The multi-terminal maximum-flow network-interdiction problem. European Journal of Operational Research, 2011, 211, 241-251.	3.5	45
8	A GameTheoretic Model for Defense of an Oceanic Bastion Against Submarines. , 2011, 16, 25-40.		11
9	Interdicting a Nuclear-Weapons Project. Operations Research, 2009, 57, 866-877.	1.2	85
10	Worst-Case Interdiction Analysis of Large-Scale Electric Power Grids. IEEE Transactions on Power Systems, 2009, 24, 96-104.	4.6	189
11	Dantzig-Wolfe Decomposition for Solving Multistage Stochastic Capacity-Planning Problems. Operations Research, 2009, 57, 1271-1286.	1.2	67
12	Dynamic evacuation routes for personnel on a naval ship. Naval Research Logistics, 2008, 55, 785-799.	1.4	9
13	Lagrangian relaxation and enumeration for solving constrained shortestâ€path problems. Networks, 2008, 52, 256-270.	1.6	79
14	The "Best" Algorithm for solving Stochastic Mixed Integer Programs. , 2006, , .		4
15	Defending Critical Infrastructure. Interfaces, 2006, 36, 530-544.	1.6	600
16	Solving a class of stochastic mixed-integer programs with branch and price. Mathematical Programming, 2006, 108, 395-418.	1.6	10
17	Anatomy of a Project to Produce a First Nuclear Weapon. Science and Global Security, 2006, 14, 163-182.	0.1	18
18	Near-shortest and K-shortest simple paths. Networks, 2005, 46, 98-109.	1.6	46

#	Article	IF	Citations
19	On the Complexity of Delaying an Adversaryâ€™s Project. , 2005, , 3-17.		14
20	Analyzing the Vulnerability of Critical Infrastructure to Attack and Planning Defenses. , 2005, , 102-123.		76
21	A Two-Sided Optimization for Theater Ballistic Missile Defense. Operations Research, 2005, 53, 745-763.	1.2	134
22	Analysis of Electric Grid Security Under Terrorist Threat. IEEE Transactions on Power Systems, 2004, 19, 905-912.	4.6	422
23	Enumerating Near-Min S-T Cuts. , 2003, , 21-49.		6
24	Shortest-path network interdiction. Networks, 2002, 40, 97-111.	1.6	383
25	The Kellogg Company Optimizes Production, Inventory, and Distribution. Interfaces, 2001, 31, 1-15.	1.6	88
26	Explicit-Constraint Branching for Solving Mixed-Integer Programs. Operations Research/ Computer Science Interfaces Series, 2000, , 245-261.	0.3	11
27	Restricted-Recourse Bounds for Stochastic Linear Programming. Operations Research, 1999, 47, 943-956.	1.2	30
28	Monte Carlo bounding techniques for determining solution quality in stochastic programs. Operations Research Letters, 1999, 24, 47-56.	0.5	501
29	Stochastic Network Interdiction. Operations Research, 1998, 46, 184-197.	1.2	261
30	Optimization and Persistence. Interfaces, 1997, 27, 15-37.	1.6	61
31	Two-Person Zero-Sum Games for Network Interdiction. Operations Research, 1995, 43, 243-251.	1.2	179
32	Setting military reenlistment bonuses. Naval Research Logistics, 1993, 40, 143-160.	1.4	9
33	Variance Reduction Using Nonlinear Controls and Transformations. Communications in Statistics Part B: Simulation and Computation, 1989, 18, 655-672.	0.6	3
34	Triconnected decomposition for computingK-terminal network reliability. Networks, 1989, 19, 203-220.	1.6	12
35	Extracting embedded generalized networks from linear programming problems. Mathematical Programming, 1985, 32, 11-31.	1.6	19
36	A factoring algorithm using polygon-to-chain reductions for computing K-terminal network reliability. Networks, 1985, 15, 173-190.	1.6	69