Maria Grazia Speranza

List of Publications by Year
in descending order

153 papers	7,473 citations	41344 49 h-index	64796 79 g-index
160 all docs	160 docs citations	160 times ranked	3475 citing authors

#	Article	IF	Citations
1	The Bi-objective Long-haul Transportation Problem on a Road Network. Omega, 2022, 106, 102522.	5.9	4
2	A sequential approach for a multi-commodity two-echelon distribution problem. Computers and Industrial Engineering, 2022, 163, 107793.	6.3	7
3	Optimization models for fair horizontal collaboration in demand-responsive transportation. Transportation Research Part C: Emerging Technologies, 2022, 140, 103725.	7.6	6
4	Integrated Vehicle Routing Problems: A Survey. , 2022, , 73-103.		2
5	On single-source capacitated facility location with cost and fairness objectives. European Journal of Operational Research, 2021, 289, 959-974.	5.7	23
6	A kernel search heuristic for the multivehicle inventory routing problem. International Transactions in Operational Research, 2021, 28, 2984-3013.	2.7	18
7	A kernel search heuristic for a fair facility location problem. Computers and Operations Research, 2021, 132, 105292.	4.0	16
8	System optimal routing of traffic flows with user constraints using linear programming. European Journal of Operational Research, 2021, 293, 863-879.	5.7	16
9	Dynamic traveling salesman problem with stochastic release dates. European Journal of Operational Research, 2020, 280, 832-844.	5.7	25
10	Conditional valueâ€atâ€risk beyond finance: a survey. International Transactions in Operational Research, 2020, 27, 1277-1319.	2.7	47
11	Minimizing the total travel time with limited unfairness in traffic networks. Computers and Operations Research, 2020, 123, 105016.	4.0	16
12	Enhanced index tracking with CVaR-based ratio measures. Annals of Operations Research, 2020, 292, 883-931.	4.1	17
13	A branch-and-cut algorithm for the multi-compartment vehicle routing problem with flexible compartment sizes. Annals of Operations Research, 2019, 275, 321-338.	4.1	25
14	An exact algorithm for the inventory routing problem with logistic ratio. Transportation Research, Part E: Logistics and Transportation Review, 2019, 131, 96-107.	7.4	12
15	Bridging k-sum and CVaR optimization in MILP. Computers and Operations Research, 2019, 105, 156-166.	4.0	9
16	Exact solution methods for the multi-period vehicle routing problem with due dates. Computers and Operations Research, 2019, 110, 148-158.	4.0	20
17	A trade-off between average and maximum arc congestion minimization in traffic assignment with user constraints. Computers and Operations Research, 2019, 110, 88-100.	4.0	7
18	The pickup and delivery problem with time windows and occasional drivers. Computers and Operations Research, 2019, 109, 122-133.	4.0	61

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19	Flexible two-echelon location routing problem. European Journal of Operational Research, 2019, 277, 1124-1136.	5.7	42
20	Comparing sequential and integrated approaches for the production routing problem. European Journal of Operational Research, 2018, 269, 633-646.	5.7	23
21	Inventory routing with pickups and deliveries. European Journal of Operational Research, 2018, 268, 314-324.	5.7	33
22	Trends in transportation and logistics. European Journal of Operational Research, 2018, 264, 830-836.	5.7	208
23	A branch-and-cut algorithm for the Team Orienteering Problem. International Transactions in Operational Research, 2018, 25, 627-635.	2.7	47
24	The Shared Customer Collaboration Vehicle Routing Problem. European Journal of Operational Research, 2018, 265, 1078-1093.	5.7	66
25	A simulation study of an on-demand transportation system. International Transactions in Operational Research, 2018, 25, 1137-1161.	2.7	23
26	An iterated local search for the Traveling Salesman Problem with release dates and completion time minimization. Computers and Operations Research, 2018, 98, 24-37.	4.0	30
27	Congestion avoiding heuristic path generation for the proactive route guidance. Computers and Operations Research, 2018, 99, 234-248.	4.0	22
28	Adaptive Kernel Search: A heuristic for solving Mixed Integer linear Programs. European Journal of Operational Research, 2017, 263, 789-804.	5.7	34
29	A Matheuristic for the Multivehicle Inventory Routing Problem. INFORMS Journal on Computing, 2017, 29, 377-387.	1.7	58
30	The value of integrating loading and routing. European Journal of Operational Research, 2017, 257, 89-105.	5.7	32
31	Minimizing the logistic ratio in the inventory routing problem. EURO Journal on Transportation and Logistics, 2017, 6, 289-306.	2.2	18
32	The Vehicle Routing Problem with Occasional Drivers. European Journal of Operational Research, 2016, 254, 472-480.	5.7	236
33	Proactive route guidance to avoid congestion. Transportation Research Part B: Methodological, 2016, 94, 1-21.	5.9	59
34	A heuristic framework for the bi-objective enhanced index tracking problem. Omega, 2016, 65, 122-137.	5.9	54
35	Linear programming models based on Omega ratio for the Enhanced Index Tracking Problem. European Journal of Operational Research, 2016, 251, 938-956.	5.7	66
36	The inventory routing problem: the value of integration. International Transactions in Operational Research, 2016, 23, 393-407.	2.7	51

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37	A branch-and-cut algorithm for the Orienteering Arc Routing Problem. Computers and Operations Research, 2016, 66, 95-104.	4.0	22
38	On the Collaboration Uncapacitated Arc Routing Problem. Computers and Operations Research, 2016, 67, 120-131.	4.0	38
39	Multicommodity vs. Single-Commodity Routing. Transportation Science, 2016, 50, 461-472.	4.4	24
40	Introducing a preliminary consists selection in the locomotive assignment problem. Transportation Research, Part E: Logistics and Transportation Review, 2015, 82, 217-237.	7.4	16
41	A matheuristic for the Team Orienteering Arc Routing Problem. European Journal of Operational Research, 2015, 245, 392-401.	5.7	25
42	Complexity of routing problems with release dates. European Journal of Operational Research, 2015, 247, 797-803.	5.7	52
43	Chapter 12: Arc Routing Problems with Profits. , 2015, , 281-299.		7
44	A branch-price-and-cut algorithm for the commodity constrained split delivery vehicle routing problem. Computers and Operations Research, 2015, 64, 1-10.	4.0	41
45	Portfolio Optimization. EURO Advanced Tutorials on Operational Research, 2015, , 1-18.	0.6	0
46	Portfolio Optimization with Other Real Features. EURO Advanced Tutorials on Operational Research, 2015, , 63-72.	0.6	2
47	The multi-compartment vehicle routing problem with flexible compartment sizes. European Journal of Operational Research, 2015, 246, 730-743.	5.7	76
48	Linear and Mixed Integer Programming for Portfolio Optimization. EURO Advanced Tutorials on Operational Research, 2015, , .	0.6	29
49	Multi-period Vehicle Routing Problem with Due dates. Computers and Operations Research, 2015, 61, 122-134.	4.0	73
50	Rebalancing and Index Tracking. EURO Advanced Tutorials on Operational Research, 2015, , 73-86.	0.6	1
51	Portfolio Optimization with Transaction Costs. EURO Advanced Tutorials on Operational Research, 2015, , 47-62.	0.6	8
52	The Vehicle Routing Problem with Divisible Deliveries and Pickups. Transportation Science, 2015, 49, 271-294.	4.4	50
53	A survey on two-echelon routing problems. Computers and Operations Research, 2015, 55, 185-199.	4.0	263
54	Linear Models for Portfolio Optimization. EURO Advanced Tutorials on Operational Research, 2015, , 19-45.	0.6	4

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55	Computational Issues. EURO Advanced Tutorials on Operational Research, 2015, , 97-114.	0.6	0
56	A survey on matheuristics for routing problems. EURO Journal on Computational Optimization, 2014, 2, 223-246.	2.4	169
57	Chapter 10: Vehicle Routing Problems with Profits. , 2014, , 273-297.		76
58	Formulations for an inventory routing problem. International Transactions in Operational Research, 2014, 21, 353-374.	2.7	66
59	The Team Orienteering Arc Routing Problem. Transportation Science, 2014, 48, 442-457.	4.4	42
60	The distance constrained multiple vehicle traveling purchaser problem. European Journal of Operational Research, 2014, 235, 73-87.	5.7	31
61	Twenty years of linear programming based portfolio optimization. European Journal of Operational Research, 2014, 234, 518-535.	5.7	162
62	Complexity and approximation for Traveling Salesman Problems with profits. Theoretical Computer Science, 2014, 531, 54-65.	0.9	13
63	A heuristic for BILP problems: The Single Source Capacitated Facility Location Problem. European Journal of Operational Research, 2014, 238, 438-450.	5.7	75
64	The split delivery capacitated team orienteering problem. Networks, 2014, 63, 16-33.	2.7	19
65	Incomplete service and split deliveries in a routing problem with profits. Networks, 2014, 63, 135-145.	2.7	9
66	The directed profitable location Rural Postman Problem. European Journal of Operational Research, 2014, 236, 811-819.	5.7	8
67	Branch-and-cut algorithms for the split delivery vehicle routing problem. European Journal of Operational Research, 2014, 238, 685-698.	5.7	78
68	An ILP-refined tabu search for the Directed Profitable Rural Postman Problem. Discrete Applied Mathematics, 2014, 163, 3-16.	0.9	17
69	A branchâ€andâ€bound algorithm for the double travelling salesman problem with two stacks. Networks, 2013, 61, 58-75.	2.7	29
70	Inventory routing problems with multiple customers. EURO Journal on Transportation and Logistics, 2013, 2, 255-275.	2.2	69
71	Reoptimizing the rural postman problem. Computers and Operations Research, 2013, 40, 1306-1313.	4.0	8
72	The capacitated team orienteering problem with incomplete service. Optimization Letters, 2013, 7, 1405-1417.	1.6	17

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73	Optimal solutions for routing problems with profits. Discrete Applied Mathematics, 2013, 161, 547-557.	0.9	49
74	Asymptotic analysis of periodic policies for the inventory routing problem. Naval Research Logistics, 2013, 60, 525-540.	2.2	7
75	CORAL: An Exact Algorithm for the Multidimensional Knapsack Problem. INFORMS Journal on Computing, 2012, 24, 399-415.	1.7	39
76	Inventory routing problems: an introduction. EURO Journal on Transportation and Logistics, 2012, 1, 307-326.	2.2	102
77	A Hybrid Heuristic for an Inventory Routing Problem. INFORMS Journal on Computing, 2012, 24, 101-116.	1.7	147
78	Kernel Search: An application to the index tracking problem. European Journal of Operational Research, 2012, 217, 54-68.	5.7	129
79	A branch–and–cut algorithm for the pickup and delivery traveling salesman problem with multiple stacks. Networks, 2012, 60, 212-226.	2.7	21
80	Kernel Search: a new heuristic framework for portfolio selection. Computational Optimization and Applications, 2012, 51, 345-361.	1.6	52
81	Two uniform machines with nearly equal speeds: unified approach to known sum and known optimum in semi on-line scheduling. Journal of Combinatorial Optimization, 2011, 21, 458-480.	1.3	9
82	Analysis of the maximum level policy in a production-distribution system. Computers and Operations Research, 2011, 38, 1731-1746.	4.0	111
83	Complexity of the VRP and SDVRP. Transportation Research Part C: Emerging Technologies, 2011, 19, 741-750.	7.6	63
84	Investigating the effectiveness of robust portfolio optimization techniques. Journal of Asset Management, 2011, 12, 260-280.	1.5	12
85	Reoptimizing the 0–1 knapsack problem. Discrete Applied Mathematics, 2010, 158, 1879-1887.	0.9	27
86	Exact solutions to the double travelling salesman problem with multiple stacks. Networks, 2010, 56, 229-243.	2.7	37
87	The undirected capacitated arc routing problem with profits. Computers and Operations Research, 2010, 37, 1860-1869.	4.0	46
88	Kernel search: A general heuristic for the multi-dimensional knapsack problem. Computers and Operations Research, 2010, 37, 2017-2026.	4.0	102
89	Geometric representation for semi on-line scheduling on uniform processors. Optimization Methods and Software, 2010, 25, 421-428.	2.4	4
90	Modeling the Pre Auction Stage The Truckload Case. Lecture Notes in Economics and Mathematical Systems, 2009, , 219-233.	0.3	6

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91	Models and Simulations for Portfolio Rebalancing. Computational Economics, 2009, 33, 237-262.	2.6	29
92	On the effectiveness of scenario generation techniques in single-period portfolio optimization. European Journal of Operational Research, 2009, 192, 500-511.	5.7	62
93	Short Term Strategies for a Dynamic Multi-Period Routing Problem. Transportation Research Part C: Emerging Technologies, 2009, 17, 106-119.	7.6	53
94	Management Policies in a Dynamic Multi Period Routing Problem. Lecture Notes in Economics and Mathematical Systems, 2009, , 1-15.	0.3	0
95	Semi-online scheduling on two uniform processors. Theoretical Computer Science, 2008, 393, 211-219.	0.9	16
96	Inventory Routing. Operations Research/ Computer Science Interfaces Series, 2008, , 49-72.	0.3	72
97	The Split Delivery Vehicle Routing Problem: A Survey. Operations Research/ Computer Science Interfaces Series, 2008, , 103-122.	0.3	56
98	A comparison of MAD and CVaR models with real features. Journal of Banking and Finance, 2008, 32, 1188-1197.	2.9	57
99	To split or not to split: That is the question. Transportation Research, Part E: Logistics and Transportation Review, 2008, 44, 114-123.	7.4	97
100	An Optimization-Based Heuristic for the Split Delivery Vehicle Routing Problem. Transportation Science, 2008, 42, 22-31.	4.4	114
101	A Branch-and-Cut Algorithm for a Vendor-Managed Inventory-Routing Problem. Transportation Science, 2007, 41, 382-391.	4.4	329
102	Analysis of practical policies for a single link distribution system. Naval Research Logistics, 2007, 54, 497-509.	2.2	11
103	Competitive analysis for dynamic multiperiod uncapacitated routing problems. Networks, 2007, 49, 308-317.	2.7	41
104	Competitive analysis of a dispatch policy for a dynamic multi-period routing problem. Operations Research Letters, 2007, 35, 713-721.	0.7	26
105	Metaheuristics for the team orienteering problem. Journal of Heuristics, 2007, 13, 49-76.	1.4	178
106	Semi on-line scheduling on three processors with known sum ofÂthe tasks. Journal of Scheduling, 2007, 10, 263-269.	1.9	9
107	Conditional value at risk and related linear programming models for portfolio optimization. Annals of Operations Research, 2007, 152, 227-256.	4.1	163
108	An Overview on the Split Delivery Vehicle Routing Problem. , 2007, , 123-127.		10

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109	Worst-Case Analysis for Split Delivery Vehicle Routing Problems. Transportation Science, 2006, 40, 226-234.	4.4	135
110	Worst-case analysis of the full load policy in the single link problem. International Journal of Production Economics, 2005, 93-94, 217-224.	8.9	9
111	Improved rounding procedures for the discrete version of the capacitated EOQ problem. European Journal of Operational Research, 2005, 166, 25-34.	5.7	11
112	Minimizing the Total Cost in an Integrated Vendor–Managed Inventory System. Journal of Heuristics, 2005, 11, 393-419.	1.4	85
113	An exact approach for portfolio selection with transaction costs and rounds. IIE Transactions, 2005, 37, 919-929.	2.1	53
114	Collection of Waste with Single Load Trucks: A Real Case. Lecture Notes in Economics and Mathematical Systems, 2005, , 105-119.	0.3	1
115	The On-Line Multiprocessor Scheduling Problem with Known Sum of the Tasks. Journal of Scheduling, 2004, 7, 421-428.	1.9	22
116	Scheduling groups of tasks with precedence constraints on three dedicated processors. Discrete Applied Mathematics, 2004, 134, 141-168.	0.9	9
117	Semi-Absolute Deviation Rule for Mutual Funds Portfolio Selection. Annals of Operations Research, 2003, 124, 245-265.	4.1	43
118	Semi-On-line Scheduling on Two Parallel Processors with an Upper Bound on the Items. Algorithmica, 2003, 37, 243-262.	1.3	19
119	Reoptimizing the traveling salesman problem. Networks, 2003, 42, 154-159.	2.7	63
120	An efficient fully polynomial approximation scheme for the Subset-Sum Problem. Journal of Computer and System Sciences, 2003, 66, 349-370.	1.2	62
121	On LP Solvable Models for Portfolio Selection. Informatica, 2003, 14, 37-62.	2.7	60
122	Deterministic Order-Up-To Level Policies in an Inventory Routing Problem. Transportation Science, 2002, 36, 119-132.	4.4	160
123	Continuous and Discrete Shipping Strategies for the Single Link Problem. Transportation Science, 2002, 36, 314-325.	4.4	40
124	The periodic vehicle routing problem with intermediate facilities. European Journal of Operational Research, 2002, 137, 233-247.	5.7	175
125	Rounding Procedures for the Discrete Version of the Capacitated Economic Order Quantity Problem. Annals of Operations Research, 2001, 107, 33-49.	4.1	13
126	Two linear approximation algorithms for the subset-sum problem. European Journal of Operational Research, 2000, 120, 289-296.	5.7	13

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127	Selecting Portfolios with Fixed Costs and Minimum Transaction Lots. Annals of Operations Research, 2000, 99, 287-304.	4.1	128
128	Exact and Heuristic Solutions for a Shipment Problem with Given Frequencies. Management Science, 2000, 46, 973-988.	4.1	23
129	Inventory control on sequences of links with given transportation frequencies. International Journal of Production Economics, 1999, 59, 261-270.	8.9	18
130	Heuristic algorithms for the portfolio selection problem with minimum transaction lots. European Journal of Operational Research, 1999, 114, 219-233.	5.7	219
131	Minimizing logistic costs in multistage supply chains. Naval Research Logistics, 1999, 46, 399-417.	2.2	17
132	Minimizing makespan in a multimode multiprocessor shop scheduling problem. Naval Research Logistics, 1999, 46, 893-911.	2.2	15
133	Models and Algorithms for the Minimization of Inventory and Transportation Costs: A Survey. Lecture Notes in Economics and Mathematical Systems, 1999, , 137-157.	0.3	20
134	Deterministic Order–up–to Level Strategies for the Minimization of the Logistic Costs in Distribution Systems. Lecture Notes in Economics and Mathematical Systems, 1999, , 179-193.	0.3	2
135	Periodic shipping strategies for the minimization of the logistic costs. , 1999, , 223-237.		0
136	Heuristics for multimode scheduling problems with dedicated resources. European Journal of Operational Research, 1998, 107, 260-271.	5.7	29
137	An efficient approximation scheme for the subset-sum problem. Lecture Notes in Computer Science, 1997, , 394-403.	1.3	8
138	Minimization of logistic costs with given frequencies. Transportation Research Part B: Methodological, 1997, 31, 327-340.	5.9	64
139	Semi on-line algorithms for the partition problem. Operations Research Letters, 1997, 21, 235-242.	0.7	156
140	Efficiency and effectiveness of normal schedules on three dedicated processors. Discrete Mathematics, 1997, 164, 67-79.	0.7	22
141	An algorithm for optimal shipments with given frequencies. Naval Research Logistics, 1996, 43, 655-671.	2.2	38
142	A heuristic algorithm for a portfolio optimization model applied to the Milan stock market. Computers and Operations Research, 1996, 23, 433-441.	4.0	90
143	Minimizing Transportation and Inventory Costs for Several Products on a Single Link. Operations Research, 1994, 42, 879-894.	1.9	127
144	Nonpreemptive scheduling of independent tasks with prespecified processor allocations. Naval Research Logistics, 1994, 41, 959-971.	2.2	27

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145	Analysis and integration of optimization models for logistic systems. International Journal of Production Economics, 1994, 35, 183-190.	8.9	17
146	A decomposition approach for a resource constrained scheduling problem. European Journal of Operational Research, 1994, 75, 112-135.	5.7	9
147	A decomposition approach in a DSS for a resource constrained scheduling problem. European Journal of Operational Research, 1994, 79, 208-219.	5.7	5
148	Seventh EURO summer Institute. European Journal of Operational Research, 1993, 71, 151-153.	5.7	0
149	A decision support system for materials management. International Journal of Production Economics, 1992, 26, 229-236.	8.9	6
150	Applying an optimization model to production management and logistics. Computer Integrated Manufacturing Systems, 1992, 5, 239-244.	0.1	7
151	Production scheduling problems in a textile industry. European Journal of Operational Research, 1992, 58, 173-190.	5.7	10
152	Scheduling multiprocessor tasks on three dedicated processors. Information Processing Letters, 1992, 41, 275-280.	0.6	92
153	Matheuristics for Inventory Routing Problems. , 0, , 1-14.		4