Leandro C. Coelho

List of Publications by Year
in descending order

87 papers	3,587 citations	147566 31 h-index	143772 57 g-index
87 all docs	87 docs citations	87 times ranked	1941 citing authors

#	ARTICLE	IF	CITATIONS
1	Thirty Years of Inventory Routing. Transportation Science, 2014, 48, 1-19.	2.6	411
2	Single-line rail rapid transit timetabling under dynamic passenger demand. Transportation Research Part B: Methodological, 2014, 70, 134-150.	2.8	203
3	The inventory-routing problem with transshipment. Computers and Operations Research, 2012, 39, 2537-2548.	2.4	176
4	Exact formulations and algorithm for the train timetabling problem with dynamic demand. Computers and Operations Research, 2014, 44, 66-74.	2.4	174
5	Consistency in multi-vehicle inventory-routing. Transportation Research Part C: Emerging Technologies, 2012, 24, 270-287.	3.9	155
6	Optimal joint replenishment, delivery and inventory management policies for perishable products. Computers and Operations Research, 2014, 47, 42-52.	2.4	155
7	The exact solution of several classes of inventory-routing problems. Computers and Operations Research, 2013, 40, 558-565.	2.4	152
8	A branch-and-cut algorithm for the multi-product multi-vehicle inventory-routing problem. International Journal of Production Research, 2013, 51, 7156-7169.	4.9	128
9	Improved solutions for inventory-routing problems through valid inequalities and input ordering. International Journal of Production Economics, 2014, 155, 391-397.	5.1	112
10	A Branch-Price-and-Cut Algorithm for the Inventory-Routing Problem. Transportation Science, 2016, 50, 1060-1076.	2.6	89
11	A multi-compartment vehicle routing problem arising in the collection of olive oil in Tunisia. Omega, 2015, 51, 1-10.	3.6	81
12	Heuristics for dynamic and stochastic inventory-routing. Computers and Operations Research, 2014, 52, 55-67.	2.4	76
13	Sequential versus integrated optimization: Production, location, inventory control, and distribution. European Journal of Operational Research, 2018, 268, 203-214.	3.5	62
14	An Inventory-Routing Problem with Pickups and Deliveries Arising in the Replenishment of Automated Teller Machines. Transportation Science, 2016, 50, 1077-1091.	2.6	61
15	Classification, models and exact algorithms for multi-compartment delivery problems. European Journal of Operational Research, 2015, 242, 854-864.	3.5	59
16	The multi-pickup and delivery problem with time windows. European Journal of Operational Research, 2018, 269, 353-362.	3.5	58
17	A dynamic multi-plant lot-sizing and distribution problem. International Journal of Production Research, 2016, 54, 6707-6717.	4.9	56
18	A simultaneous facility location and vehicle routing problem arising in health care logistics in the Netherlands. European Journal of Operational Research, 2018, 268, 703-715.	3.5	54

#	ARTICLE	IF	CITATIONS
19	Order picking problems under weight, fragility and category constraints. International Journal of Production Research, 2017, 55, 6361-6379.	4.9	53
20	The vehicle routing problem with simultaneous pickup and delivery and handling costs. Computers and Operations Research, 2020, 115, 104858.	2.4	51
21	Trade-offs between environmental and economic performance in production and inventory-routing problems. International Journal of Production Economics, 2019, 217, 269-280.	5.1	48
22	Service level, cost and environmental optimization of collaborative transportation. Transportation Research, Part E: Logistics and Transportation Review, 2018, 110, 1-14.	3.7	45
23	A matheuristic algorithm for the multi-depot inventory routing problem. Transportation Research, Part E: Logistics and Transportation Review, 2019, 122, 524-544.	3.7	45
24	Flexible two-echelon location routing problem. European Journal of Operational Research, 2019, 277, 1124-1136.	3.5	42
25	A Variable MIP Neighborhood Descent algorithm for managing inventory and distribution of cash in automated teller machines. Computers and Operations Research, 2017, 85, 22-31.	2.4	41
26	A hybrid method for the Probabilistic Maximal Covering Location–Allocation Problem. Computers and Operations Research, 2015, 57, 51-59.	2.4	40
27	The pickup and delivery traveling salesman problem with handling costs. European Journal of Operational Research, 2017, 257, 118-132.	3.5	39
28	The two-echelon multi-depot inventory-routing problem. Computers and Operations Research, 2019, 101, 220-233.	2.4	39
29	Bi-objective optimization for a multi-period COVID-19 vaccination planning problem. Omega, 2022, 110, 102617.	3.6	39
30	Integrating storage location and order picking problems in warehouse planning. Transportation Research, Part E: Logistics and Transportation Review, 2020, 140, 102003.	3.7	37
31	A survey on the inventory-routing problem with stochastic lead times and demands. Journal of Applied Logic, 2017, 24, 15-24.	1.1	36
32	The open vehicle routing problem with decoupling points. European Journal of Operational Research, 2018, 265, 316-327.	3.5	33
33	A hybrid adaptive large neighbourhood search for multi-depot open vehicle routing problems. International Journal of Production Research, 2019, 57, 6963-6976.	4.9	33
34	Robustness of inventory replenishment and customer selection policies for the dynamic and stochastic inventory-routing problem. Computers and Operations Research, 2016, 74, 14-20.	2.4	32
35	A hybrid adaptive large neighborhood search heuristic for the team orienteering problem. Computers and Operations Research, 2020, 123, 105034.	2.4	31
36	Exact algorithms for the multi-pickup and delivery problem with time windows. European Journal of Operational Research, 2020, 284, 906-919.	3.5	30

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#	Article	IF	Citations
37	The two-echelon production-routing problem. European Journal of Operational Research, 2021, 288, 436-449.	3.5	30
38	The multi-plant perishable food production routing with packaging consideration. International Journal of Production Economics, 2020, 221, 107472.	5.1	28
39	Heuristics for the dynamic facility location problem with modular capacities. European Journal of Operational Research, 2021, 290, 435-452.	3.5	28
40	Matheuristics for solving the Multiple Knapsack Problem with Setup. Computers and Industrial Engineering, 2019, 129, 76-89.	3.4	26
41	Solving the vehicle routing problem with lunch break arising in the furniture delivery industry. Journal of the Operational Research Society, 2016, 67, 743-751.	2.1	25
42	Simulation-based analysis of a supplier-manufacturer relationship in lean supply chains. International Journal of Lean Six Sigma, 2017, 8, 262-274.	2.4	24
43	The exact solutions of several types of container loading problems. European Journal of Operational Research, 2020, 284, 87-107.	3.5	24
44	Mathematical model, heuristics and exact method for order picking in narrow aisles. Journal of the Operational Research Society, 2018, 69, 1242-1253.	2.1	23
45	Exact and heuristic solution approaches for the bid construction problem in transportation procurement auctions with a heterogeneous fleet. Transportation Research, Part E: Logistics and Transportation Review, 2019, 127, 150-177.	3.7	23
46	Road-based goods transportation: a survey of real-world logistics applications from 2000 to 2015. Infor, 2016, 54, 79-96.	0.5	20
47	Alternative formulations and improved bounds for the multi-depot fleet size and mix vehicle routing problem. OR Spectrum, 2018, 40, 125-157.	2.1	20
48	Exact solution methods for the multi-period vehicle routing problem with due dates. Computers and Operations Research, 2019, 110, 148-158.	2.4	20
49	An optimised target-level inventory replenishment policy for vendor-managed inventory systems. International Journal of Production Research, 2015, 53, 3651-3660.	4.9	19
50	Optimizing drinking water distribution system operations. European Journal of Operational Research, 2020, 280, 1035-1050.	3.5	19
51	Quadratic assignment problem variants: A survey and an effective parallel memetic iterated tabu search. European Journal of Operational Research, 2021, 292, 1066-1084.	3.5	18
52	Novel Formulations and Logic-Based Benders Decomposition for the Integrated Parallel Machine Scheduling and Location Problem. INFORMS Journal on Computing, 2022, 34, 1048-1069.	1.0	17
53	Exact and hybrid heuristic methods to solve the combinatorial bid construction problem with stochastic prices in truckload transportation services procurement auctions. Transportation Research Part B: Methodological, 2021, 149, 204-229.	2.8	16
54	A variable MIP neighborhood descent for the multi-attribute inventory routing problem. Transportation Research, Part E: Logistics and Transportation Review, 2020, 144, 102137.	3.7	15

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55	The two-echelon inventory-routing problem with fleet management. Computers and Operations Research, 2020, 121, 104944.	2.4	14
56	The Multi-Period Workforce Scheduling and Routing Problem. Omega, 2021, 102, 102302.	3.6	14
57	The time-dependent location-routing problem. Transportation Research, Part E: Logistics and Transportation Review, 2019, 128, 293-315.	3.7	12
58	An exact algorithm for the inventory routing problem with logistic ratio. Transportation Research, Part E: Logistics and Transportation Review, 2019, 131, 96-107.	3.7	12
59	Determining time-dependent minimum cost paths under several objectives. Computers and Operations Research, 2019, 105, 102-117.	2.4	12
60	Biomedical sample transportation in the province of Quebec: a case study. International Journal of Production Research, 2016, 54, 602-615.	4.9	11
61	Models and algorithms for the delivery and installation routing problem. European Journal of Operational Research, 2021, 291, 162-177.	3.5	11
62	A continuous-time supply-driven inventory-constrained routing problem. Omega, 2020, 92, 102151.	3.6	10
63	Strategic and operational decision-making in expanding supply chains for LNG as a fuel. Omega, 2020, 97, 102093.	3.6	9
64	Asymmetric Multidepot Vehicle Routing Problems: Valid Inequalities and a Branch-and-Cut Algorithm. Operations Research, 2021, 69, 380-409.	1.2	9
65	A concept for simulation-based optimization in Vehicle Routing Problems. IFAC-PapersOnLine, 2018, 51, 1720-1725.	0.5	8
66	Measuring fuel consumption in vehicle routing: new estimation models using supervised learning. International Journal of Production Research, 0, , 1-17.	4.9	8
67	A comparison of several enumerative algorithms for Sudoku. Journal of the Operational Research Society, 2014, 65, 1602-1610.	2.1	7
68	Exact and matheuristic methods for the parallel machine scheduling and location problem with delivery time and due date. Computers and Operations Research, 2022, 147, 105936.	2.4	7
69	O impacto do compartilhamento de informaÃ§Ãµes na reduÃ§Ã£o do efeito chicote na cadeia de abastecimento. GestÃ£o & ProduÃ§Ã£o, 2009, 16, 571-583.	0.5	6
70	Novel efficient formulation and matheuristic for large-sized unrelated parallel machine scheduling with release dates. International Journal of Production Research, 2022, 60, 6104-6123.	4.9	6
71	Fleet sizing and routing of healthcare automated guided vehicles. Transportation Research, Part E: Logistics and Transportation Review, 2022, 161, 102679.	3.7	6
72	Order assignment and scheduling under processing and distribution time uncertainty. European Journal of Operational Research, 2023, 305, 148-163.	3.5	6

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73	Bus Trajectory Optimization With Holding, Speed and Traffic Signal Actuation in Controlled Transit Systems. IEEE Access, 2021, 9, 143284-143294.	2.6	5
74	Flexibility and consistency in inventory-routing. 4or, 2013, 11, 297-298.	1.0	4
75	Replenishment and denomination mix of automated teller machines with dynamic forecast demands. Computers and Operations Research, 2020, 114, 104828.	2.4	4
76	The time-dependent shortest path and vehicle routing problem. Infor, 2021, 59, 592-622.	0.5	4
77	INTEGRATED PRODUCTION-DISTRIBUTION SYSTEMS: TRENDS AND PERSPECTIVES. Pesquisa Operacional, 2021, 41, .	0.1	4
78	An improved model and exact algorithm using local branching for the inventory-routing problem with time windows. International Journal of Production Research, 2023, 61, 49-64.	4.9	4
79	The Traveling Backpacker Problem: A computational comparison of two formulations. Journal of the Operational Research Society, 2018, 69, 108-114.	2.1	3
80	Data for a meta-analysis of the adaptive layer in adaptive large neighborhood search. Data in Brief, 2020, 33, 106568.	0.5	3
81	A cutting plane method and a parallel algorithm for packing rectangles in a circular container. European Journal of Operational Research, 2022, 303, 114-128.	3.5	3
82	Simulation-based optimization of pump scheduling for drinking water distribution systems. Engineering Optimization, 2023, 55, 841-855.	1.5	3
83	Modeling and solving the waste valorization production and distribution scheduling problem. European Journal of Operational Research, 2023, 306, 400-417.	3.5	3
84	Solving a vendor-managed inventory routing problem arising in the distribution of bottled water in Morocco. European Journal of Industrial Engineering, 2017, 11, 168.	0.5	2
85	Alternative Heuristics for Solving the Multi-Constrained Order Picking Problem. , 2017, , .		2
86	Analyse spatiotemporelle des tournées de livraison d'une entreprise de livraison à domicile. Revue Internationale De Géomatique, 2019, 29, 207-230.	0.2	2
87	The dial-a-ride problem with private fleet and common carrier. Computers and Operations Research, 2022, 147, 105933.	2.4	2