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	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
2	Simulation-based optimization of pump scheduling for drinking water distribution systems. Engineering Optimization, 2023, 55, 841-855.	1.5	3
3	Order assignment and scheduling under processing and distribution time uncertainty. European Journal of Operational Research, 2023, 305, 148-163.	3.5	6
4	Modeling and solving the waste valorization production and distribution scheduling problem. European Journal of Operational Research, 2023, 306, 400-417.	3.5	3
5	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
6	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
7	Fleet sizing and routing of healthcare automated guided vehicles. Transportation Research, Part E: Logistics and Transportation Review, 2022, 161, 102679.	3.7	6
8	Bi-objective optimization for a multi-period COVID-19 vaccination planning problem. Omega, 2022, 110, 102617.	3.6	39
9	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
10	The dial-a-ride problem with private fleet and common carrier. Computers and Operations Research, 2022, 147, 105933.	2.4	2
11	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
12	The two-echelon production-routing problem. European Journal of Operational Research, 2021, 288, 436-449.	3.5	30
13	The Multi-Period Workforce Scheduling and Routing Problem. Omega, 2021, 102, 102302.	3.6	14
14	Models and algorithms for the delivery and installation routing problem. European Journal of Operational Research, 2021, 291, 162-177.	3.5	11
15	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
16	Heuristics for the dynamic facility location problem with modular capacities. European Journal of Operational Research, 2021, 290, 435-452.	3.5	28
17	Asymmetric Multidepot Vehicle Routing Problems: Valid Inequalities and a Branch-and-Cut Algorithm. Operations Research, 2021, 69, 380-409.	1.2	9
18	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

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19	The time-dependent shortest path and vehicle routing problem. Infor, 2021, 59, 592-622.	0.5	4
20	INTEGRATED PRODUCTION-DISTRIBUTION SYSTEMS: TRENDS AND PERSPECTIVES. Pesquisa Operacional, 2021, 41, .	0.1	4
21	Bus Trajectory Optimization With Holding, Speed and Traffic Signal Actuation in Controlled Transit Systems. IEEE Access, 2021, 9, 143284-143294.	2.6	5
22	The multi-plant perishable food production routing with packaging consideration. International Journal of Production Economics, 2020, 221, 107472.	5.1	28
23	Optimizing drinking water distribution system operations. European Journal of Operational Research, 2020, 280, 1035-1050.	3.5	19
24	Strategic and operational decision-making in expanding supply chains for LNG as a fuel. Omega, 2020, 97, 102093.	3.6	9
25	A continuous-time supply-driven inventory-constrained routing problem. Omega, 2020, 92, 102151.	3.6	10
26	Replenishment and denomination mix of automated teller machines with dynamic forecast demands. Computers and Operations Research, 2020, 114, 104828.	2.4	4
27	The exact solutions of several types of container loading problems. European Journal of Operational Research, 2020, 284, 87-107.	3.5	24
28	The vehicle routing problem with simultaneous pickup and delivery and handling costs. Computers and Operations Research, 2020, 115, 104858.	2.4	51
29	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
30	Data for a meta-analysis of the adaptive layer in adaptive large neighborhood search. Data in Brief, 2020, 33, 106568.	0.5	3
31	The two-echelon inventory-routing problem with fleet management. Computers and Operations Research, 2020, 121, 104944.	2.4	14
32	A hybrid adaptive large neighborhood search heuristic for the team orienteering problem. Computers and Operations Research, 2020, 123, 105034.	2.4	31
33	Integrating storage location and order picking problems in warehouse planning. Transportation Research, Part E: Logistics and Transportation Review, 2020, 140, 102003.	3.7	37
34	Exact algorithms for the multi-pickup and delivery problem with time windows. European Journal of Operational Research, 2020, 284, 906-919.	3.5	30
35	The two-echelon multi-depot inventory-routing problem. Computers and Operations Research, 2019, 101, 220-233.	2.4	39
36	The time-dependent location-routing problem. Transportation Research, Part E: Logistics and Transportation Review, 2019, 128, 293-315.	3.7	12

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37	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
38	Determining time-dependent minimum cost paths under several objectives. Computers and Operations Research, 2019, 105, 102-117.	2.4	12
39	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
40	Exact solution methods for the multi-period vehicle routing problem with due dates. Computers and Operations Research, 2019, 110, 148-158.	2.4	20
41	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
42	Flexible two-echelon location routing problem. European Journal of Operational Research, 2019, 277, 1124-1136.	3.5	42
43	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
44	Matheuristics for solving the Multiple Knapsack Problem with Setup. Computers and Industrial Engineering, 2019, 129, 76-89.	3.4	26
45	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
46	Analyse spatiotemporelle des tournées de livraison d'une entreprise de livraison à domicile. Revue Internationale De Géomatique, 2019, 29, 207-230.	0.2	2
47	Sequential versus integrated optimization: Production, location, inventory control, and distribution. European Journal of Operational Research, 2018, 268, 203-214.	3.5	62
48	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
49	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
50	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
51	Service level, cost and environmental optimization of collaborative transportation. Transportation Research, Part E: Logistics and Transportation Review, 2018, 110, 1-14.	3.7	45
52	The multi-pickup and delivery problem with time windows. European Journal of Operational Research, 2018, 269, 353-362.	3.5	58
53	The Traveling Backpacker Problem: A computational comparison of two formulations. Journal of the Operational Research Society, 2018, 69, 108-114.	2.1	3
54	The open vehicle routing problem with decoupling points. European Journal of Operational Research, 2018, 265, 316-327.	3.5	33

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55	A concept for simulation-based optimization in Vehicle Routing Problems. IFAC-PapersOnLine, 2018, 51, 1720-1725.	0.5	8
56	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
57	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
58	A survey on the inventory-routing problem with stochastic lead times and demands. Journal of Applied Logic, 2017, 24, 15-24.	1.1	36
59	Order picking problems under weight, fragility and category constraints. International Journal of Production Research, 2017, 55, 6361-6379.	4.9	53
60	The pickup and delivery traveling salesman problem with handling costs. European Journal of Operational Research, 2017, 257, 118-132.	3.5	39
61	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
62	Alternative Heuristics for Solving the Multi-Constrained Order Picking Problem. , 2017, , .		2
63	Road-based goods transportation: a survey of real-world logistics applications from 2000 to 2015. Infor, 2016, 54, 79-96.	0.5	20
64	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
65	Biomedical sample transportation in the province of Quebec: a case study. International Journal of Production Research, 2016, 54, 602-615.	4.9	11
66	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
67	A dynamic multi-plant lot-sizing and distribution problem. International Journal of Production Research, 2016, 54, 6707-6717.	4.9	56
68	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
69	A Branch-Price-and-Cut Algorithm for the Inventory-Routing Problem. Transportation Science, 2016, 50, 1060-1076.	2.6	89
70	An optimised target-level inventory replenishment policy for vendor-managed inventory systems. International Journal of Production Research, 2015, 53, 3651-3660.	4.9	19
71	A hybrid method for the Probabilistic Maximal Covering Location–Allocation Problem. Computers and Operations Research, 2015, 57, 51-59.	2.4	40
72	Classification, models and exact algorithms for multi-compartment delivery problems. European Journal of Operational Research, 2015, 242, 854-864.	3.5	59

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73	A multi-compartment vehicle routing problem arising in the collection of olive oil in Tunisia. Omega, 2015, 51, 1-10.	3.6	81
74	A comparison of several enumerative algorithms for Sudoku. Journal of the Operational Research Society, 2014, 65, 1602-1610.	2.1	7
75	Exact formulations and algorithm for the train timetabling problem with dynamic demand. Computers and Operations Research, 2014, 44, 66-74.	2.4	174
76	Thirty Years of Inventory Routing. Transportation Science, 2014, 48, 1-19.	2.6	411
77	Heuristics for dynamic and stochastic inventory-routing. Computers and Operations Research, 2014, 52, 55-67.	2.4	76
78	Single-line rail rapid transit timetabling under dynamic passenger demand. Transportation Research Part B: Methodological, 2014, 70, 134-150.	2.8	203
79	Optimal joint replenishment, delivery and inventory management policies for perishable products. Computers and Operations Research, 2014, 47, 42-52.	2.4	155
80	Improved solutions for inventory-routing problems through valid inequalities and input ordering. International Journal of Production Economics, 2014, 155, 391-397.	5.1	112
81	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
82	The exact solution of several classes of inventory-routing problems. Computers and Operations Research, 2013, 40, 558-565.	2.4	152
83	Flexibility and consistency in inventory-routing. 4or, 2013, 11, 297-298.	1.0	4
84	The inventory-routing problem with transshipment. Computers and Operations Research, 2012, 39, 2537-2548.	2.4	176
85	Consistency in multi-vehicle inventory-routing. Transportation Research Part C: Emerging Technologies, 2012, 24, 270-287.	3.9	155
86	O impacto do compartilhamento de informações na redução do efeito chicote na cadeia de abastecimento. Gestão & Produção, 2009, 16, 571-583.	0.5	6
87	Measuring fuel consumption in vehicle routing: new estimation models using supervised learning. International Journal of Production Research, 0, , 1-17.	4.9	8