

Leandro C. Coelho

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.

80 papers	2,317 citations	26 h-index	47 g-index
87 ext. papers	2,935 ext. citations	5.2 avg, IF	5.86 L-index

#	Paper	IF	Citations
80	Fleet sizing and routing of healthcare automated guided vehicles. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022 , 161, 102679	9	2
79	Bi-objective Optimization for a Multi-period COVID-19 Vaccination Planning Problem.. <i>Omega</i> , 2022 , 102617	7.2	3
78	. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
77	Asymmetric Multidepot Vehicle Routing Problems: Valid Inequalities and a Branch-and-Cut Algorithm. <i>Operations Research</i> , 2021 , 69, 380-409	2.3	1
76	The two-echelon production-routing problem. <i>European Journal of Operational Research</i> , 2021 , 288, 436-449	5.4	10
75	The Multi-Period Workforce Scheduling and Routing Problem. <i>Omega</i> , 2021 , 102, 102302	7.2	1
74	Models and algorithms for the delivery and installation routing problem. <i>European Journal of Operational Research</i> , 2021 , 291, 162-177	5.6	3
73	Quadratic assignment problem variants: A survey and an effective parallel memetic iterated tabu search. <i>European Journal of Operational Research</i> , 2021 , 292, 1066-1084	5.6	5
72	Heuristics for the dynamic facility location problem with modular capacities. <i>European Journal of Operational Research</i> , 2021 , 290, 435-452	5.6	7
71	Exact and hybrid heuristic methods to solve the combinatorial bid construction problem with stochastic prices in truckload transportation services procurement auctions. <i>Transportation Research Part B: Methodological</i> , 2021 , 149, 204-229	7.2	3
70	Data for a meta-analysis of the adaptive layer in adaptive large neighborhood search. <i>Data in Brief</i> , 2020 , 33, 106568	1.2	2
69	The two-echelon inventory-routing problem with fleet management. <i>Computers and Operations Research</i> , 2020 , 121, 104944	4.6	5
68	A hybrid adaptive large neighborhood search heuristic for the team orienteering problem. <i>Computers and Operations Research</i> , 2020 , 123, 105034	4.6	14
67	Integrating storage location and order picking problems in warehouse planning. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020 , 140, 102003	9	11
66	Exact algorithms for the multi-pickup and delivery problem with time windows. <i>European Journal of Operational Research</i> , 2020 , 284, 906-919	5.6	9
65	A continuous-time supply-driven inventory-constrained routing problem. <i>Omega</i> , 2020 , 92, 102151	7.2	6
64	Replenishment and denomination mix of automated teller machines with dynamic forecast demands. <i>Computers and Operations Research</i> , 2020 , 114, 104828	4.6	3

63	The exact solutions of several types of container loading problems. <i>European Journal of Operational Research</i> , 2020 , 284, 87-107	5.6	12
62	The vehicle routing problem with simultaneous pickup and delivery and handling costs. <i>Computers and Operations Research</i> , 2020 , 115, 104858	4.6	24
61	A variable MIP neighborhood descent for the multi-attribute inventory routing problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020 , 144, 102137	9	2
60	The multi-plant perishable food production routing with packaging consideration. <i>International Journal of Production Economics</i> , 2020 , 221, 107472	9.3	15
59	Optimizing drinking water distribution system operations. <i>European Journal of Operational Research</i> , 2020 , 280, 1035-1050	5.6	6
58	Strategic and operational decision-making in expanding supply chains for LNG as a fuel. <i>Omega</i> , 2020 , 97, 102093	7.2	5
57	An exact algorithm for the inventory routing problem with logistic ratio. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 131, 96-107	9	7
56	Determining time-dependent minimum cost paths under several objectives. <i>Computers and Operations Research</i> , 2019 , 105, 102-117	4.6	5
55	Exact and heuristic solution approaches for the bid construction problem in transportation procurement auctions with a heterogeneous fleet. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 127, 150-177	9	12
54	Exact solution methods for the multi-period vehicle routing problem with due dates. <i>Computers and Operations Research</i> , 2019 , 110, 148-158	4.6	10
53	A hybrid adaptive large neighbourhood search for multi-depot open vehicle routing problems. <i>International Journal of Production Research</i> , 2019 , 57, 6963-6976	7.8	13
52	Flexible two-echelon location routing problem. <i>European Journal of Operational Research</i> , 2019 , 277, 1124-1136	5.6	21
51	The two-echelon multi-depot inventory-routing problem. <i>Computers and Operations Research</i> , 2019 , 101, 220-233	4.6	29
50	The time-dependent location-routing problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 128, 293-315	9	7
49	Analyse spatiotemporelle des tournées de livraison d'une entreprise de livraison à domicile. <i>Revue Internationale De Géomatique</i> , 2019 , 29, 207-230	0	1
48	Trade-offs between environmental and economic performance in production and inventory-routing problems. <i>International Journal of Production Economics</i> , 2019 , 217, 269-280	9.3	27
47	Matheuristics for solving the Multiple Knapsack Problem with Setup. <i>Computers and Industrial Engineering</i> , 2019 , 129, 76-89	6.4	15
46	A matheuristic algorithm for the multi-depot inventory routing problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019 , 122, 524-544	9	27

45	Sequential versus integrated optimization: Production, location, inventory control, and distribution. <i>European Journal of Operational Research</i> , 2018 , 268, 203-214	5.6	34
44	A simultaneous facility location and vehicle routing problem arising in health care logistics in the Netherlands. <i>European Journal of Operational Research</i> , 2018 , 268, 703-715	5.6	27
43	Alternative formulations and improved bounds for the multi-depot fleet size and mix vehicle routing problem. <i>OR Spectrum</i> , 2018 , 40, 125-157	1.9	14
42	Mathematical model, heuristics and exact method for order picking in narrow aisles. <i>Journal of the Operational Research Society</i> , 2018 , 69, 1242-1253	2	15
41	Service level, cost and environmental optimization of collaborative transportation. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018 , 110, 1-14	9	30
40	The multi-pickup and delivery problem with time windows. <i>European Journal of Operational Research</i> , 2018 , 269, 353-362	5.6	34
39	The Traveling Backpacker Problem: A computational comparison of two formulations. <i>Journal of the Operational Research Society</i> , 2018 , 69, 108-114	2	1
38	The open vehicle routing problem with decoupling points. <i>European Journal of Operational Research</i> , 2018 , 265, 316-327	5.6	19
37	A concept for simulation-based optimization in Vehicle Routing Problems. <i>IFAC-PapersOnLine</i> , 2018 , 51, 1720-1725	0.7	4
36	Simulation-based analysis of a supplier-manufacturer relationship in lean supply chains. <i>International Journal of Lean Six Sigma</i> , 2017 , 8, 262-274	4.6	17
35	A Variable MIP Neighborhood Descent algorithm for managing inventory and distribution of cash in automated teller machines. <i>Computers and Operations Research</i> , 2017 , 85, 22-31	4.6	30
34	Alternative Heuristics for Solving the Multi-Constrained Order Picking Problem 2017 ,		2
33	A survey on the inventory-routing problem with stochastic lead times and demands. <i>Journal of Applied Logic</i> , 2017 , 24, 15-24		21
32	Order picking problems under weight, fragility and category constraints. <i>International Journal of Production Research</i> , 2017 , 55, 6361-6379	7.8	32
31	The pickup and delivery traveling salesman problem with handling costs. <i>European Journal of Operational Research</i> , 2017 , 257, 118-132	5.6	22
30	Solving a vendor-managed inventory routing problem arising in the distribution of bottled water in Morocco. <i>European Journal of Industrial Engineering</i> , 2017 , 11, 168	1.1	1
29	Biomedical sample transportation in the province of Quebec: a case study. <i>International Journal of Production Research</i> , 2016 , 54, 602-615	7.8	6
28	An Inventory-Routing Problem with Pickups and Deliveries Arising in the Replenishment of Automated Teller Machines. <i>Transportation Science</i> , 2016 , 50, 1077-1091	4.4	46

27	A dynamic multi-plant lot-sizing and distribution problem. <i>International Journal of Production Research</i> , 2016 , 54, 6707-6717	7.8	37
26	Solving the vehicle routing problem with lunch break arising in the furniture delivery industry. <i>Journal of the Operational Research Society</i> , 2016 , 67, 743-751	2	12
25	A Branch-Price-and-Cut Algorithm for the Inventory-Routing Problem. <i>Transportation Science</i> , 2016 , 50, 1060-1076	4.4	65
24	Road-based goods transportation: a survey of real-world logistics applications from 2000 to 2015. <i>Infor</i> , 2016 , 54, 79-96	0.5	15
23	Robustness of inventory replenishment and customer selection policies for the dynamic and stochastic inventory-routing problem. <i>Computers and Operations Research</i> , 2016 , 74, 14-20	4.6	30
22	A hybrid method for the Probabilistic Maximal Covering Location Allocation Problem. <i>Computers and Operations Research</i> , 2015 , 57, 51-59	4.6	36
21	Classification, models and exact algorithms for multi-compartment delivery problems. <i>European Journal of Operational Research</i> , 2015 , 242, 854-864	5.6	40
20	A multi-compartment vehicle routing problem arising in the collection of olive oil in Tunisia. <i>Omega</i> , 2015 , 51, 1-10	7.2	53
19	An optimised target-level inventory replenishment policy for vendor-managed inventory systems. <i>International Journal of Production Research</i> , 2015 , 53, 3651-3660	7.8	15
18	Thirty Years of Inventory Routing. <i>Transportation Science</i> , 2014 , 48, 1-19	4.4	313
17	Heuristics for dynamic and stochastic inventory-routing. <i>Computers and Operations Research</i> , 2014 , 52, 55-67	4.6	55
16	Single-line rail rapid transit timetabling under dynamic passenger demand. <i>Transportation Research Part B: Methodological</i> , 2014 , 70, 134-150	7.2	138
15	Optimal joint replenishment, delivery and inventory management policies for perishable products. <i>Computers and Operations Research</i> , 2014 , 47, 42-52	4.6	125
14	Improved solutions for inventory-routing problems through valid inequalities and input ordering. <i>International Journal of Production Economics</i> , 2014 , 155, 391-397	9.3	84
13	A comparison of several enumerative algorithms for Sudoku. <i>Journal of the Operational Research Society</i> , 2014 , 65, 1602-1610	2	3
12	Exact formulations and algorithm for the train timetabling problem with dynamic demand. <i>Computers and Operations Research</i> , 2014 , 44, 66-74	4.6	116
11	A branch-and-cut algorithm for the multi-product multi-vehicle inventory-routing problem. <i>International Journal of Production Research</i> , 2013 , 51, 7156-7169	7.8	100
10	The exact solution of several classes of inventory-routing problems. <i>Computers and Operations Research</i> , 2013 , 40, 558-565	4.6	122

9	Flexibility and consistency in inventory-routing. <i>4or</i> , 2013 , 11, 297-298	1.4	2
8	The inventory-routing problem with transshipment. <i>Computers and Operations Research</i> , 2012 , 39, 2537-2548	1.4	146
7	Consistency in multi-vehicle inventory-routing. <i>Transportation Research Part C: Emerging Technologies</i> , 2012 , 24, 270-287	8.4	121
6	O impacto do compartilhamento de informações na redução do efeito chicote na cadeia de abastecimento. <i>Gestão & Produção</i> , 2009 , 16, 571-583	0.9	4
5	An improved model and exact algorithm using local branching for the inventory-routing problem with time windows. <i>International Journal of Production Research</i> , 1-16	7.8	1
4	Novel efficient formulation and metaheuristic for large-sized unrelated parallel machine scheduling with release dates. <i>International Journal of Production Research</i> , 1-20	7.8	1
3	Measuring fuel consumption in vehicle routing: new estimation models using supervised learning. <i>International Journal of Production Research</i> , 1-17	7.8	2
2	The time-dependent shortest path and vehicle routing problem. <i>Infor</i> , 1-31	0.5	2
1	Simulation-based optimization of pump scheduling for drinking water distribution systems. <i>Engineering Optimization</i> , 1-15	2	0