Maria Isabel Gomes

List of Publications by Year
in descending order

47 papers	1,990 citations	516215 16 h-index	344852 36 g-index
50 all docs	50 docs citations	50 times ranked	1645 citing authors

#	Article	IF	Citations
1	An optimization model for the design of a capacitated multi-product reverse logistics network with uncertainty. European Journal of Operational Research, 2007, 179, 1063-1077.	3.5	437
2	Towards supply chain sustainability: economic, environmental and social design and planning. Journal of Cleaner Production, 2015, 105, 14-27.	4.6	313
3	Simultaneous design and planning of supply chains with reverse flows: A generic modelling framework. European Journal of Operational Research, 2010, 203, 336-349.	3.5	167
4	Planning a sustainable reverse logistics system: Balancing costs with environmental and social concerns. Omega, 2014, 48, 60-74.	3.6	162
5	Sustainable supply chains: An integrated modeling approach under uncertainty. Omega, 2018, 77, 32-57.	3.6	123
6	A warehouse-based design model for reverse logistics. Journal of the Operational Research Society, 2006, 57, 615-629.	2.1	87
7	A strategic and tactical model for closed-loop supply chains. OR Spectrum, 2009, 31, 573-599.	2.1	83
8	Modelling a recovery network for WEEE: A case study in Portugal. Waste Management, 2011, 31, 1645-1660.	3.7	83
9	Addressing the uncertain quality and quantity of returns in closed-loop supply chains. Computers and Chemical Engineering, 2012, 47, 237-247.	2.0	77
10	Planning waste cooking oil collection systems. Waste Management, 2013, 33, 1691-1703.	3.7	70
11	Combining statistical learning with metaheuristics for the Multi-Depot Vehicle Routing Problem with market segmentation. Computers and Industrial Engineering, 2016, 94, 93-104.	3.4	56
12	On risk management of a two-stage stochastic mixed 0–1 model for the closed-loop supply chain design problem. European Journal of Operational Research, 2019, 274, 91-107.	3.5	56
13	Economic and environmental concerns in planning recyclable waste collection systems. Transportation Research, Part E: Logistics and Transportation Review, 2014, 62, 34-54.	3.7	35
14	Sustainable Solid Waste Collection and Management. , 2019, , .		34
15	Multi-depot vehicle routing problem: a comparative study of alternative formulations. International Journal of Logistics Research and Applications, 2020, 23, 103-120.	5.6	33
16	Modelling and (re-)planning periodic home social care services with loyalty and non-loyalty features. European Journal of Operational Research, 2019, 277, 284-299.	3.5	32
17	Assessing and improving management practices when planning packaging waste collection systems. Resources, Conservation and Recycling, 2014, 85, 116-129.	5.3	18
18	Designing closed-loop supply chains with nonlinear dimensioning factors using ant colony optimization. Soft Computing, 2015, 19, 2245-2264.	2.1	14

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19	Business strategy for sustainable development: Impact of life cycle inventory and life cycle impact assessment steps in supply chain design and planning. Business Strategy and the Environment, 2020, 29, 87-117.	8.5	14
20	A new matheuristic approach for the multi-depot vehicle routing problem with inter-depot routes. OR Spectrum, 2020, 42, 75-110.	2.1	14
21	Selfie Aging Index: An Index for the Self-assessment of Healthy and Active Aging. Frontiers in Medicine, 2017, 4, 236.	1.2	13
22	A Two-Stage Stochastic Model for the Design and Planning of a Multi-Product Closed Loop Supply Chain. Computer Aided Chemical Engineering, 2012, 30, 412-416.	0.3	10
23	Towards supply chain sustainability: balancing costs with environmental and social impacts. Computer Aided Chemical Engineering, 2013, 32, 895-900.	0.3	8
24	The retrofit of a closed-loop distribution network: the case of lead batteries. Computer Aided Chemical Engineering, 2010, , 1213-1218.	0.3	5
25	Optimization of Closed-Loop Supply Chains under Uncertain Quality of Returns. Computer Aided Chemical Engineering, 2011, 29, 945-949.	0.3	5
26	Supply Chain Design towards sustainability. Computer Aided Chemical Engineering, 2014, 34, 789-794.	0.3	5
27	SCant-design: Closed loop supply chain design using ant colony optimization. , 2012, , .		4
28	Supply chain design and planning accounting for the Triple Bottom Line. Computer Aided Chemical Engineering, 2015, 37, 1841-1846.	0.3	4
29	Design and Planning ofÂSustainable Supply Chains. Computer Aided Chemical Engineering, 2015, 36, 333-353.	0.3	4
30	Design and planning of supply chains with reverse flows. Computer Aided Chemical Engineering, 2005, 20, 1075-1080.	0.3	3
31	An integrated model for the design and planning of supply chains with product return. Computer Aided Chemical Engineering, 2006, , 2129-2134.	0.3	3
32	Design of a recovery network in Portugal: the electric and electronic equipment case. , 2008, , .		2
33	Optimum Design and Planning of Resilient and Uncertain Closed-Loop Supply Chains. Computer Aided Chemical Engineering, 2012, 30, 407-411.	0.3	2
34	Green supply chain design and planning. , 2015, , .		2
35	Sustainable supply chain design and planning: the importance of life cycle scope definition. Computer Aided Chemical Engineering, 2017, 40, 541-546.	0.3	2
36	Optimization in Waste Collection to Reach Sustainable Waste Management. , 2019, , 207-238.		2

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37	Collection: the strongest link for a sustainable solid waste management. Waste Management and Research, 2020, 38, 107-107.	2.2	2
38	Design of an electric and electronic equipment recovery network in Portugal - Costs vs. Sustainability. Computer Aided Chemical Engineering, 2011, 29, 1200-1204.	0.3	1
39	The Influence of Corporate Social Responsibility on Economic Performance Within Supply Chain Planning. Lecture Notes in Economics and Mathematical Systems, 2016, , 151-156.	0.3	1
40	Green Supply Chain Design and Planning: The Importance of Decision Integration in Optimization Models. Springer Proceedings in Mathematics and Statistics, 2018, , 249-257.	0.1	1
41	Continuous Reinforcement Operator applied to Resilience in Disaster Rescue Networks. , 2018, , .		1
42	Design and Planning Supply Chains with Beneficial Societal Goals. Computer Aided Chemical Engineering, 2019, 47, 439-444.	0.3	1
43	Design and Planning of Waste Collection System. , 2019, , 141-166.		1
44	An Eco-Efficiency Study for a WEEE Recovery Network: The Portuguese Case. Computer Aided Chemical Engineering, 2009, 27, 2073-2078.	0.3	0
45	Decision Support Tool for Strategic Planning in Supply Chains. Computer Aided Chemical Engineering, 2014, 33, 895-900.	0.3	0
46	A Metaheuristic for Solving Large-Scale Two-Stage Stochastic Mixed 0-1 Programs with the Time Stochastic Dominance Risk Averse Strategy. Computer Aided Chemical Engineering, 2015, 37, 857-862.	0.3	0
47	A Biased-Randomized Heuristic for the Home Healthcare Routing Problem. Springer Proceedings in Mathematics and Statistics, 2018, , 57-67.	0.1	0