Roberto Montanari

List of Publications by Year
in descending order

65 papers	1,958 citations	304743 22 h-index	254184 43 g-index
65 all docs	65 docs citations	65 times ranked	1666 citing authors

#	Article	IF	Citations
1	Fuzzy TOPSIS approach for failure mode, effects and criticality analysis. Quality and Reliability Engineering International, 2003, 19, 425-443.	2.3	268
2	Cold chain tracking: a managerial perspective. Trends in Food Science and Technology, 2008, 19, 425-431.	15.1	138
3	Multiâ€attribute classification method for spare parts inventory management. Journal of Quality in Maintenance Engineering, 2004, 10, 55-65.	1.7	136
4	Fuzzy criticality assessment model for failure modes and effects analysis. International Journal of Quality and Reliability Management, 2003, 20, 503-524.	2.0	134
5	Supply chain design and cost analysis through simulation. International Journal of Production Research, 2010, 48, 2859-2886.	7.5	94
6	The impact of RFID and EPC network on the bullwhip effect in the Italian FMCG supply chain. International Journal of Production Economics, 2010, 124, 426-432.	8.9	93
7	An adapted ant colony optimization algorithm for the minimization of the travel distance of pickers in manual warehouses. European Journal of Operational Research, 2018, 267, 120-137.	5.7	77
8	Exact, approximate, and generic iterative models for the multi-product Newsboy problem with budget constraint. International Journal of Production Economics, 2004, 91, 189-198.	8.9	74
9	An analysis of the multi-product newsboy problem with a budget constraint. International Journal of Production Economics, 2005, 97, 296-307.	8.9	74
10	The classification and regression tree approach to pump failure rate analysis. Reliability Engineering and System Safety, 2003, 79, 59-67.	8.9	62
11	Reverse Logistics: a stochastic EOQ-based inventory control model for mixed manufacturing/remanufacturing systems with return policies. International Journal of Production Research, 2012, 50, 1243-1264.	7.5	60
12	Optimisation of storage allocation in order picking operations through a genetic algorithm. International Journal of Logistics Research and Applications, 2012, 15, 127-146.	8.8	58
13	The impact of RFID technology on logistics processes of the fashion industry supply chain. International Journal of RF Technologies: Research and Applications, 2009, 1, 225-252.	0.7	46
14	Modeling and multi-objective optimization of closed loop supply chains: A case study. Computers and Industrial Engineering, 2015, 87, 328-342.	6.3	43
15	Improving the efficiency of public administrations through business process reengineering and simulation. Business Process Management Journal, 2015, 21, 419-462.	4.2	41
16	Economic and environmental assessment of different reverse logistics scenarios for food waste recovery. Sustainable Production and Consumption, 2019, 20, 289-303.	11.0	41
17	On the multi-product newsboy problem with two constraints. Computers and Operations Research, 2005, 32, 2095-2116.	4.0	40
18	Environmental efficiency analysis for enel thermo-power plants. Journal of Cleaner Production, 2004, 12, 403-414.	9.3	38

#	Article	IF	Citations
19	Criteria for the economic planning of a low power hydroelectric plant. Renewable Energy, 2003, 28, 2129-2145.	8.9	32
20	The capacitated newsboy problem with random yield: The Gardener Problem. International Journal of Production Economics, 2008, 115, 113-127.	8.9	31
21	Environmental impact of a new industrial process for the recovery and valorisation of packaging materials derived from packaged food waste. Sustainable Production and Consumption, 2018, 14, 105-121.	11.0	25
22	A fuzzy lot-sizing problem with two-stage composite human learning. International Journal of Production Research, 2016, 54, 5010-5025.	7.5	23
23	Failure rate prediction with artificial neural networks. Journal of Quality in Maintenance Engineering, 2005, 11, 279-294.	1.7	20
24	RFID-enabled business intelligence modules for supply chain optimisation. International Journal of RF Technologies: Research and Applications, 2009, 1, 253-278.	0.7	20
25	The impact of RFID technology and EPC system on stockâ€out of promotional items. International Journal of RF Technologies: Research and Applications, 2009, 1, 6-22.	0.7	18
26	Analysis and optimisation of inventory management policies for perishable food products: a simulation study. International Journal of Simulation and Process Modelling, 2014, 9, 16.	0.2	18
27	Design and optimization of order picking systems: An integrated procedure and two case studies. Computers and Industrial Engineering, 2019, 137, 106035.	6.3	18
28	Design and performance evaluation of supply networks: a simulation study. International Journal of Business Performance and Supply Chain Modelling, 2011, 3, 226.	0.3	15
29	Solar thermal systems: Advantages in domestic integration. Renewable Energy, 2008, 33, 1364-1373.	8.9	14
30	A quantitative evaluation of the impact of the RFID technology on shelf availability. International Journal of RF Technologies: Research and Applications, 2012, 3, 159-180.	0.7	14
31	Intelligent Algorithms for Warehouse Management. Intelligent Systems Reference Library, 2015, , 645-667.	1.2	13
32	A Survey on Packaging Materials and Technologies for Commercial Food Products. International Journal of Food Engineering, 2011, 7, .	1.5	12
33	Analysis of the requirements of RFID tags for efficient fashion supply chain management. International Journal of RF Technologies: Research and Applications, 2012, 3, 39-65.	0.7	12
34	An empirical study on the relationships between maintenance policies and approaches among Italian companies. Journal of Quality in Maintenance Engineering, 2014, 20, 135-162.	1.7	12
35	SIMULATION, ANALYSIS AND OPTIMIZATION OF CONTAINER TERMINALS PROCESSES. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 03, 1240006.	1.4	11
36	Performance Analysis of the Water Supply System of a Dairy Company by Means of an Advanced Simulation Tool. International Journal of Food Engineering, 2014, 10, 557-571.	1.5	11

#	Article	IF	Citations
37	Improving sales turnover in fashion retailing by means ofÂanÂRFID-based replenishment policy. International Journal of RF Technologies: Research and Applications, 2016, 7, 65-86.	0.7	11
38	Environmental benefits of pet food obtained as a result of the valorisation of meat fraction derived from packaged food waste. Waste Management, 2021, 125, 132-144.	7.4	11
39	The impact of (S,s) policy on supply network performance: a simulation study. International Journal of Business Performance and Supply Chain Modelling, 2012, 4, 164.	0.3	9
40	A routing and location model for food waste recovery in the retail and distribution phase. International Journal of Logistics Research and Applications, 2018, 21, 557-578.	8.8	9
41	Performances of RFID, acousto-magnetic and radio frequency technologies for electronic article surveillance in the apparel industry in Europe: A quantitative study. International Journal of RF Technologies: Research and Applications, 2012, 3, 137-158.	0.7	8
42	Life Cycle Assessment of a New Feed Production Obtained by Wasted Flour Food Collected from the Distribution and Retail Phases. International Journal of Food Engineering, 2016, 12, 807-825.	1.5	8
43	Simulation of the thermodynamic patterns in an ascending flow ripening chamber. Journal of Food Engineering, 2005, 68, 113-123.	5.2	7
44	RFID and real time localization systems for warehouse management: A model for technical and economic evaluation. International Journal of RF Technologies: Research and Applications, 2013, 4, 209-245.	0.7	7
45	A finite-difference method for the prediction of velocity field in extrusion process. Journal of Food Engineering, 2007, 83, 84-92.	5.2	6
46	CFD Simulation of a Co-rotating Twin-screw Extruder: Validation of a Rheological Model for a Starch-Based Dough for Snack Food. International Journal of Food Engineering, 2018, 14, .	1.5	6
47	Development and testing of software tool for warehouse design and picking optimisation. International Journal of Management and Decision Making, 2019, 18, 119.	0.1	6
48	Temperature Analysis of the Water Supply System of a Dairy Company by Means of a Simulation Model. International Journal of Food Engineering, 2015, 11, 731-745.	1.5	5
49	An integrated approach for demand forecasting and inventory management optimisation of spare parts. International Journal of Simulation and Process Modelling, 2015, 10, 233.	0.2	5
50	Investigating the demand propagation in EOQ supply networks using a probabilistic model. International Journal of Production Research, 2015, 53, 1307-1324.	7.5	5
51	A model for the analysis of procurement strategies in the economic order interval environment. Mathematics and Computers in Simulation, 2017, 134, 79-98.	4.4	4
52	Fuzzy logic controller in a packaging plant. Packaging Technology and Science, 2003, 16, 21-35.	2.8	3
53	Advanced Design of Industrial Mixers for Fluid Foods Using Computational Fluid Dynamics. International Journal of Food Engineering, 2013, 9, 309-325.	1.5	3
54	Analysis, Simulation and Optimization of the Milking Process in a Cowshed for the Production of Parmigiano Reggiano. International Journal of Food Engineering, 2016, 12, 851-865.	1.5	3

#	Article	IF	Citations
55	Seasoning process design optimization for an ascending flow ripening chamber. Journal of Food Engineering, 2006, 77, 529-538.	5.2	2
56	The vehicle routing problem in the dairy sector: a case study. International Journal of Food Engineering, 2022, 18, 239-252.	1.5	2
57	Advanced design of the pasta drying process with simulation tools. International Journal of Simulation and Process Modelling, 2013, 8, 104.	0.2	1
58	Inventory management in the presence of inventory inaccuracies: an economic analysis by discrete-event simulation. International Journal of Supply Chain and Inventory Management, 2017, 2, 39.	0.1	1
59	Special Issue â€œSelected Papers from the Workshop on Modelling and Simulation of Food Processing and Operations of the MAS 2012 Conference (Wien, September 19â€“21, 2012)â€• International Journal of Food Engineering, 2013, 9, 239-240.	1.5	0
60	Special section â€œSelected Papers from the Workshop on Modeling and Simulation of Food Processing and Operations of the MAS 2013 Conference (Athens, September 25â€“27, 2013)â€• International Journal of Food Engineering, 2014, 10, 543-544.	1.5	0
61	Special Section â€œSelected papers from the workshop on Modeling and Simulation of Food Processing and Operations of the MAS 2014 conference (Bordeaux, September 10â€“12, 2014)â€• International Journal of Food Engineering, 2015, 11, 713-714.	1.5	0
62	An analytic model to investigate the demand propagation in EOI supply networks. International Journal of Simulation and Process Modelling, 2017, 12, 124.	0.2	0
63	A Constructive Methodology to Solving the Capacitated Newsvendor Problem: an Approximate Approach. SN Operations Research Forum, 2020, 1, 1.	1.0	0
64	Impiego della tecnologia RFID per il monitoraggio delle vendite. Food, 2011, , 187-216.	0.0	0
65	Lâ€™impatto della tecnologia RFID nella gestione dei processi di supply chain. Food, 2011, , 89-110.	0.0	0