

Bianca Rimini

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,280
citations

471509
17
h-index

361022
35
g-index

45
all docs

45
docs citations

45
times ranked

1647
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(butylene succinate)-based polyesters for biomedical applications: A review. <i>European Polymer Journal</i> , 2016, 75, 431-460.	5.4	272
2	A new multi-objective heuristic algorithm for solving the stochastic assembly line re-balancing problem. <i>International Journal of Production Economics</i> , 2006, 102, 226-243.	8.9	133
3	A fuzzy multi-attribute model for risk evaluation in workplaces. <i>Safety Science</i> , 2009, 47, 707-716.	4.9	113
4	FlowSort-GDSS “ A novel group multi-criteria decision support system for sorting problems with application to FMEA. <i>Expert Systems With Applications</i> , 2015, 42, 6342-6349.	7.6	106
5	A second life for cigarette butts? A review of recycling solutions. <i>Journal of Hazardous Materials</i> , 2020, 384, 121245.	12.4	65
6	Waste treatment: an environmental, economic and social analysis with a new group fuzzy PROMETHEE approach. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 1317-1332.	4.1	55
7	Preparation for reuse activity of waste electrical and electronic equipment: Environmental performance, cost externality and job creation. <i>Journal of Cleaner Production</i> , 2019, 222, 77-89.	9.3	50
8	On the elicitation of criteria weights in PROMETHEE-based ranking methods for a mobile application. <i>Expert Systems With Applications</i> , 2019, 120, 217-227.	7.6	40
9	Life cycle assessment of a large, thin ceramic tile with advantageous technological properties. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 1567-1580.	4.7	28
10	An innovative container for WEEE collection and transport: Details and effects following the adoption. <i>Waste Management</i> , 2009, 29, 2846-2858.	7.4	26
11	Forecasting of Sporadic Demand Patterns with Seasonality and Trend Components: An Empirical Comparison between Holt-Winters and (S)ARIMA Methods. <i>Mathematical Problems in Engineering</i> , 2010, 2010, 1-14.	1.1	23
12	Municipal solid waste management: Identification and analysis of engineering indexes representing demand and costs generated in virtuous Italian communities. <i>Waste Management</i> , 2013, 33, 2532-2540.	7.4	23
13	Novel biocompatible PBS-based random copolymers containing PEG-like sequences for biomedical applications: From drug delivery to tissue engineering. <i>Polymer Degradation and Stability</i> , 2018, 153, 53-62.	5.8	23
14	Requalifying public buildings and utilities using a group decision support system. <i>Journal of Cleaner Production</i> , 2017, 164, 1081-1092.	9.3	22
15	The effect of plasma surface modification on the biodegradation rate and biocompatibility of a poly(butylene succinate)-based copolymer. <i>Polymer Degradation and Stability</i> , 2015, 121, 271-279.	5.8	20
16	Design of fully aliphatic multiblock poly(ester urethane)s displaying thermoplastic elastomeric properties. <i>Polymer</i> , 2016, 83, 154-161.	3.8	20
17	A periodic inventory system of intermittent demand items with fixed lifetimes. <i>International Journal of Production Research</i> , 2019, 57, 6993-7005.	7.5	18
18	An innovative model for WEEE recovery network management in accordance with the EU directives. <i>International Journal of Environmental Technology and Management</i> , 2008, 8, 348.	0.2	17

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19	Optimal production scheduling with customer-driven demand substitution. International Journal of Production Research, 2017, 55, 1692-1706.	7.5	16
20	Ecotoxicity of Plastics from Informal Waste Electric and Electronic Treatment and Recycling. Toxics, 2020, 8, 99.	3.7	16
21	Empirical Evaluation of the Impact of Resilience and Sustainability on Firms'™ Performance. Sustainability, 2020, 12, 1742.	3.2	15
22	An automated picking workstation for healthcare applications. Computers and Industrial Engineering, 2013, 64, 653-668.	6.3	14
23	A revised FMEA with application to a blow moulding process. International Journal of Quality and Reliability Management, 2016, 33, 900-919.	2.0	14
24	A simulative approach for evaluating alternative feeding scenarios in a kanban system. International Journal of Production Research, 2016, 54, 4228-4239.	7.5	13
25	Modelling production cost with the effects of learning and forgetting. IFAC-PapersOnLine, 2016, 49, 503-508.	0.9	12
26	Decision Trees for Supervised Multi-criteria Inventory Classification. Procedia Manufacturing, 2017, 11, 1871-1881.	1.9	12
27	Phase change material-sand mixtures for distributed latent heat thermal energy storage: Interaction and performance analysis. Renewable Energy, 2021, 169, 1066-1076.	8.9	12
28	Dimensionality reduced robust ordinal regression applied to life cycle assessment. Expert Systems With Applications, 2021, 178, 115021.	7.6	10
29	An innovative approach for optimizing warehouse capacity utilization. International Journal of Logistics Research and Applications, 2008, 11, 137-165.	8.8	9
30	Dynamic Re-order Policies for Irregular and Sporadic Demand Profiles. Procedia Engineering, 2014, 69, 1420-1429.	1.2	9
31	Optimal job assignment considering operators'™ walking costs and ergonomic aspects. International Journal of Production Research, 2018, 56, 1249-1268.	7.5	9
32	Phase Change Material Evolution in Thermal Energy Storage Systems for the Building Sector, with a Focus on Ground-Coupled Heat Pumps. Polymers, 2022, 14, 620.	4.5	9
33	Micro-structured 3D-electrospun scaffolds of biodegradable block copolymers for soft tissue regeneration. European Polymer Journal, 2017, 94, 33-42.	5.4	8
34	Estimating the Circularity Performance of an Emerging Industrial Symbiosis Network: The Case of Recycled Plastic Fibers in Reinforced Concrete. Sustainability, 2021, 13, 10257.	3.2	8
35	Costs and opportunities of moving picking activities upstream in distribution networks: A case study from the beverage industry. International Journal of Production Economics, 2013, 143, 342-348.	8.9	7
36	Low cost automation and poka yoke devices: tools for optimising production processes. International Journal of Productivity and Quality Management, 2009, 4, 590.	0.2	6

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37	An innovative approach for job pre-allocation to parallel unrelated machines in the case of a batch sequence dependent manufacturing environment. International Journal of Production Research, 2011, 49, 4353-4376.	7.5	6
38	Discrete time model of a two-station one-buffer serial system with inventory level-dependent operation. Computers and Industrial Engineering, 2017, 113, 46-63.	6.3	6
39	Stochastic assembly line balancing with learning effects. IFAC-PapersOnLine, 2017, 50, 5706-5711.	0.9	5
40	Production scheduling to optimize the product assortment in case of constrained capacity and customer-driven substitution. IFAC-PapersOnLine, 2015, 48, 1954-1959.	0.9	3
41	Minimizing operators' walking times into a linear system layout. IFAC-PapersOnLine, 2016, 49, 1709-1714.	0.9	3
42	Data on the environmental performance analysis of a dual-source heat pump system. Data in Brief, 2020, 31, 105919.	1.0	2
43	Complex Packaging Line Modelling and Simulation. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	1
44	Design and experimental analysis of a prototype waterjet facility for cathode ray tube cutting: evidence from a case study. International Journal of Experimental Design and Process Optimisation, 2011, 2, 299.	0.2	1
45	IMPLEMENTING THE NEARLY ZERO-ENERGY BUILDINGS NOTION IN INDUSTRIAL FACILITIES. WIT Transactions on Ecology and the Environment, 2021, , .	0.0	0