

Daria Battini

List of Publications by Citations

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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.

76
papers

2,092
citations

28
h-index

44
g-index

80
ext. papers

2,498
ext. citations

4.5
avg, IF

5.72
L-index

#	Paper	IF	Citations
76	A sustainable EOQ model: Theoretical formulation and applications. <i>International Journal of Production Economics</i> , 2014 , 149, 145-153	9.3	134
75	Researchers' perspectives on Industry 4.0: multi-disciplinary analysis and opportunities for operations management. <i>International Journal of Production Research</i> , 2021 , 59, 2055-2078	7.8	123
74	A century of evolution from Harris's basic lot size model: Survey and research agenda. <i>International Journal of Production Economics</i> , 2014 , 155, 16-38	9.3	118
73	Design of the optimal feeding policy in an assembly system. <i>International Journal of Production Economics</i> , 2009 , 121, 233-254	9.3	82
72	Ergonomics in assembly line balancing based on energy expenditure: a multi-objective model. <i>International Journal of Production Research</i> , 2016 , 54, 824-845	7.8	76
71	Just-in-Time supermarkets for part supply in the automobile industry. <i>Journal of Management Control</i> , 2013 , 24, 209-217	2.4	75
70	Innovative real-time system to integrate ergonomic evaluations into warehouse design and management. <i>Computers and Industrial Engineering</i> , 2014 , 77, 1-10	6.4	74
69	Human factors in production and logistics systems of the future. <i>Annual Reviews in Control</i> , 2020 , 49, 295-305	10.3	71
68	Ageing workforce management in manufacturing systems: state of the art and future research agenda. <i>International Journal of Production Research</i> , 2020 , 58, 729-747	7.8	71
67	Performance measurement in supply chains: new network analysis and entropic indexes. <i>International Journal of Production Research</i> , 2010 , 48, 2297-2321	7.8	66
66	Costs of resilience and disruptions in supply chain network design models: A review and future research directions. <i>International Journal of Production Economics</i> , 2021 , 235, 108103	9.3	63
65	Human energy expenditure in order picking storage assignment: A bi-objective method. <i>Computers and Industrial Engineering</i> , 2016 , 94, 147-157	6.4	52
64	Optimal safety stock levels of subassemblies and manufacturing components. <i>International Journal of Production Economics</i> , 2007 , 110, 147-159	9.3	49
63	Order picking system design: the storage assignment and travel distance estimation (SA&TDE) joint method. <i>International Journal of Production Research</i> , 2015 , 53, 1077-1093	7.8	48
62	Supermarket warehouses' stocking policies optimization in an assembly-to-order environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 50, 775-788	3.2	48
61	A comparative analysis of different paperless picking systems. <i>Industrial Management and Data Systems</i> , 2015 , 115, 483-503	3.6	46
60	Preventing ergonomic risks with integrated planning on assembly line balancing and parts feeding. <i>International Journal of Production Research</i> , 2017 , 55, 7452-7472	7.8	43

59	Balancing sequencing procedure for a mixed model assembly system in case of finite buffer capacity. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 44, 345-359	3.2	42
58	Design configuration for a mixed-model assembly system in case of low product demand. <i>International Journal of Advanced Manufacturing Technology</i> , 2007 , 34, 188-200	3.2	42
57	Healthcare Supply Chain Simulation with Disruption Considerations: A Case Study from Northern Italy. <i>Global Journal of Flexible Systems Management</i> , 2019 , 20, 81-102	5.9	40
56	Big size highly customised product manufacturing systems: a literature review and future research agenda. <i>International Journal of Production Research</i> , 2019 , 57, 5362-5385	7.8	37
55	Inventory holding costs measurement: a multi-case study. <i>International Journal of Logistics Management</i> , 2014 , 25, 109-132	4.5	37
54	Remote control and maintenance outsourcing networks and its applications in supply chain management. <i>Journal of Operations Management</i> , 2007 , 25, 1275-1291	5.2	36
53	Closed Loop Supply Chain (CLSC): Economics, Modelling, Management and Control. <i>International Journal of Production Economics</i> , 2017 , 183, 319-321	9.3	35
52	Sustainable Packaging Development for Fresh Food Supply Chains. <i>Packaging Technology and Science</i> , 2016 , 29, 25-43	2.3	32
51	Sequencing procedure for balancing the workloads variations in case of mixed model assembly system with multiple secondary feeder lines. <i>International Journal of Production Research</i> , 2012 , 50, 6081-6098	7.8	29
50	The ageing workforce challenge: Investments in collaborative robots or contribution to pension schemes, from the multi-echelon perspective. <i>International Journal of Production Economics</i> , 2019 , 210, 97-106	9.3	28
49	Workers' rest allowance and smoothing of the workload in assembly lines. <i>International Journal of Production Research</i> , 2020 , 58, 1255-1270	7.8	28
48	The Integrated Assembly Line Balancing and Parts Feeding Problem with Ergonomics Considerations. <i>IFAC-PapersOnLine</i> , 2016 , 49, 191-196	0.7	27
47	Haulage sharing approach to achieve sustainability in material purchasing: New method and numerical applications. <i>International Journal of Production Economics</i> , 2015 , 164, 308-318	9.3	26
46	Mixed model assembly system with multiple secondary feeder lines: layout design and balancing procedure for ATO environment. <i>International Journal of Production Research</i> , 2012 , 50, 5132-5151	7.8	26
45	Innovative travel time model for dual-shuttle automated storage/retrieval systems. <i>Computers and Industrial Engineering</i> , 2011 , 61, 600-607	6.4	25
44	Ergo-lot-sizing: An approach to integrate ergonomic and economic objectives in manual materials handling. <i>International Journal of Production Economics</i> , 2017 , 185, 230-239	9.3	23
43	Closed-loop supply chain simulation with disruption considerations: a case-study on Tesla. <i>International Journal of Inventory Research</i> , 2017 , 4, 257	0.4	20
42	A new bi-objective approach for including ergonomic principles into EOQ model. <i>International Journal of Production Research</i> , 2016 , 54, 2610-2627	7.8	19

41	Additional effort estimation due to ergonomic conditions in order picking systems. <i>International Journal of Production Research</i> , 2017 , 55, 2764-2774	7.8	17
40	New easy to use postural assessment method through visual management. <i>International Journal of Industrial Ergonomics</i> , 2016 , 53, 48-58	2.9	17
39	Logistic Game-learning by doing and knowledge-sharing. <i>Production Planning and Control</i> , 2009 , 20, 724-736	4.3	17
38	Ergonomics and human factors in waste collection: analysis and suggestions for the door-to-door method. <i>IFAC-PapersOnLine</i> , 2018 , 51, 838-843	0.7	17
37	Workforce management in manual assembly lines of large products: a case study. <i>IFAC-PapersOnLine</i> , 2017 , 50, 6906-6911	0.7	16
36	A new methodological framework to implement an RFID project and its application. <i>International Journal of RF Technologies: Research and Applications</i> , 2009 , 1, 77-94	0.9	16
35	Consideration of workers' differences in production systems modelling and design: State of the art and directions for future research. <i>International Journal of Production Research</i> , 2021 , 59, 3237-3268	7.8	15
34	Sustainability in Material Purchasing: A Multi-Objective Economic Order Quantity Model under Carbon Trading. <i>Sustainability</i> , 2018 , 10, 4438	3.6	14
33	Visual management and artificial intelligence integrated in a new fuzzy-based full body postural assessment. <i>Computers and Industrial Engineering</i> , 2017 , 111, 596-608	6.4	11
32	Door-to-door waste collection: Analysis and recommendations for improving ergonomics in an Italian case study. <i>Waste Management</i> , 2020 , 109, 149-160	8.6	11
31	Sustainable humanitarian operations: closed-loop supply chain. <i>International Journal of Services and Operations Management</i> , 2016 , 25, 65	0.4	11
30	New RFID pick-to-light system: Operating characteristics and future potential. <i>International Journal of RF Technologies: Research and Applications</i> , 2016 , 7, 43-63	0.9	11
29	Decreasing network complexity with logistics outsourcing: an entropic approach. <i>International Journal of Procurement Management</i> , 2010 , 3, 339	0.6	10
28	Ergo-Lot-Sizing: Considering Ergonomics in Lot-Sizing Decisions. <i>IFAC-PapersOnLine</i> , 2015 , 48, 326-331	0.7	9
27	Assembly line design with tools vibration. <i>IFAC-PapersOnLine</i> , 2019 , 52, 247-252	0.7	8
26	Design of an integrated quality assurance strategy in production systems. <i>International Journal of Production Research</i> , 2012 , 50, 1682-1701	7.8	7
25	Buffer design for availability: a new simulative study in case of infant and random failures. <i>International Journal of Services and Operations Management</i> , 2013 , 14, 157	0.4	7
24	Evaluation of the mixed-model assembly line balancing problem with variable operation times and product mix. <i>International Journal of Services and Operations Management</i> , 2010 , 6, 126	0.4	7

23	Framework to optimise the inventory centralisation/ decentralisation degree and feeding policy in assembly systems. <i>International Journal of Services and Operations Management</i> , 2010 , 6, 184	0.4	7
22	Modelling the Growing Process of Integrated Healthcare Supply Networks. <i>International Journal of System Dynamics Applications</i> , 2013 , 2, 1-13	0.7	7
21	A bi-objective model to include workers' vibration exposure in assembly line design. <i>International Journal of Production Research</i> , 2021 , 59, 4017-4032	7.8	7
20	Multi-objective optimization of assembly lines with workers fatigue consideration. <i>IFAC-PapersOnLine</i> , 2018 , 51, 698-703	0.7	7
19	A method to choose between carton from rack picking or carton from pallet picking. <i>Computers and Industrial Engineering</i> , 2018 , 126, 88-98	6.4	7
18	Linking human availability and ergonomics parameters in order-picking systems. <i>IFAC-PapersOnLine</i> , 2015 , 48, 345-350	0.7	6
17	The Sustainable Parcel Delivery (SPD) Problem: Economic and Environmental Considerations for 3PLs. <i>IEEE Access</i> , 2020 , 8, 71880-71892	3.5	5
16	Assembly line balancing problem with ergonomics: a new fatigue and recovery model. <i>International Journal of Production Research</i> , 1-14	7.8	5
15	The Response Latency in Global Production and Logistics: A Trade-off Between Robotization and Globalization of a Chain. <i>Procedia Manufacturing</i> , 2019 , 39, 1428-1437	1.5	4
14	A supervised machine learning approach for the optimisation of the assembly line feeding mode selection. <i>International Journal of Production Research</i> , 2021 , 59, 4881-4902	7.8	4
13	Routing strategy in a distribution network when the driver learning effect is considered. <i>International Journal of Logistics Systems and Management</i> , 2015 , 21, 385	0.7	3
12	Human-Oriented Assembly Line Balancing and Sequencing Model in the Industry 4.0 Era. <i>Profiles in Operations Research</i> , 2020 , 141-165	1	3
11	Considering workers' features in manufacturing systems: a new job-rotation scheduling model. <i>IFAC-PapersOnLine</i> , 2020 , 53, 10621-10626	0.7	3
10	Closed-loop supply chain simulation with disruption considerations: a case-study on Tesla. <i>International Journal of Inventory Research</i> , 2017 , 4, 257	0.4	2
9	Consideration of workforce differences in assembly line balancing and worker assignment problem. <i>IFAC-PapersOnLine</i> , 2021 , 54, 13-18	0.7	2
8	Cobotic Assembly Line Design Problem with Ergonomics. <i>IFIP Advances in Information and Communication Technology</i> , 2020 , 573-582	0.5	2
7	A Model to Optimize the Reference Storage Assignment in a Supermarket to Expedite the Part Feeding Activities. <i>IFAC-PapersOnLine</i> , 2018 , 51, 1470-1475	0.7	1
6	The performance impact of Industry 4.0 technologies on closed-loop supply chains: insights from an Italy based survey. <i>International Journal of Production Research</i> , 1-26	7.8	1

5	Heuristic approaches for scheduling manufacturing tasks while taking into account accumulated human fatigue. <i>IFAC-PapersOnLine</i> , 2019 , 52, 963-968	0.7	o
4	A Joint Assembly Line Balancing and Feeding Problem (JALBFP) considering direct and indirect supply strategies. <i>International Journal of Production Research</i> , 1-19	7.8	o
3	Assembly Line Balancing with Inexperienced and Trainer Workers. <i>IFIP Advances in Information and Communication Technology</i> , 2021 , 497-506	0.5	o
2	Applying the zero-inflated Poisson regression in the inventory management of irregular demand items. <i>Journal of Industrial and Production Engineering</i> , 1-21	1	o
1	Reprint of Ergo-lot-sizing: An approach to integrate ergonomic and economic objectives in manual materials handling. <i>International Journal of Production Economics</i> , 2017 , 194, 32-42	9.3	