Daria Battini

List of Publications by Year in Descending Order

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	Consideration of workforce differences in assembly line balancing and worker assignment problem. *IFAC-PapersOnLine*, **2021**, 54, 13-18	0.7	2
75	Consideration of workers differences in production systems modelling and design: State of the art and directions for future research. *International Journal of Production Research*, **2021**, 59, 3237-3268	7.8	15
74	Costs of resilience and disruptions in supply chain network design models: A review and future research directions. *International Journal of Production Economics*, **2021**, 235, 108103	9.3	63
73	A bi-objective model to include workers vibration exposure in assembly line design. *International Journal of Production Research*, **2021**, 59, 4017-4032	7.8	7
72	A supervised machine learning approach for the optimisation of the assembly line feeding mode selection. *International Journal of Production Research*, **2021**, 59, 4881-4902	7.8	4
71	Researchers' perspectives on Industry 4.0: multi-disciplinary analysis and opportunities for operations management. *International Journal of Production Research*, **2021**, 59, 2055-2078	7.8	123
70	Assembly Line Balancing with Inexperienced and Trainer Workers. *IFIP Advances in Information and Communication Technology*, **2021**, 497-506	0.5	0
69	Human factors in production and logistics systems of the future. *Annual Reviews in Control*, **2020**, 49, 295-305	10.3	71
68	Door-to-door waste collection: Analysis and recommendations for improving ergonomics in an Italian case study. *Waste Management*, **2020**, 109, 149-160	8.6	11
67	The Sustainable Parcel Delivery (SPD) Problem: Economic and Environmental Considerations for 3PLs. *IEEE Access*, **2020**, 8, 71880-71892	3.5	5
66	Human-Oriented Assembly Line Balancing and Sequencing Model in the Industry 4.0 Era. *Profiles in Operations Research*, **2020**, 141-165	1	3
65	Considering workers features in manufacturing systems: a new job-rotation scheduling model. *IFAC-PapersOnLine*, **2020**, 53, 10621-10626	0.7	3
64	Cobotic Assembly Line Design Problem with Ergonomics. *IFIP Advances in Information and Communication Technology*, **2020**, 573-582	0.5	2
63	Workers rest allowance and smoothing of the workload in assembly lines. *International Journal of Production Research*, **2020**, 58, 1255-1270	7.8	28
62	Ageing workforce management in manufacturing systems: state of the art and future research agenda. *International Journal of Production Research*, **2020**, 58, 729-747	7.8	71
61	Big size highly customised product manufacturing systems: a literature review and future research agenda. *International Journal of Production Research*, **2019**, 57, 5362-5385	7.8	37
60	The Response Latency in Global Production and Logistics: A Trade-off Between Robotization and Globalization of a Chain. *Procedia Manufacturing*, **2019**, 39, 1428-1437	1.5	4

59	Assembly line design with tools vibration. *IFAC-PapersOnLine*, **2019**, 52, 247-252	0.7	8
58	Heuristic approaches for scheduling manufacturing tasks while taking into account accumulated human fatigue. *IFAC-PapersOnLine*, **2019**, 52, 963-968	0.7	0
57	Healthcare Supply Chain Simulation with Disruption Considerations: A Case Study from Northern Italy. *Global Journal of Flexible Systems Management*, **2019**, 20, 81-102	5.9	40
56	The ageing workforce challenge: Investments in collaborative robots or contribution to pension schemes, from the multi-echelon perspective. *International Journal of Production Economics*, **2019**, 210, 97-106	9.3	28
55	A Model to Optimize the Reference Storage Assignment in a Supermarket to Expedite the Part Feeding Activities. *IFAC-PapersOnLine*, **2018**, 51, 1470-1475	0.7	1
54	Multi-objective optimization of assembly lines with workers fatigue consideration. *IFAC-PapersOnLine*, **2018**, 51, 698-703	0.7	7
53	Ergonomics and human factors in waste collection: analysis and suggestions for the door-to-door method. *IFAC-PapersOnLine*, **2018**, 51, 838-843	0.7	17
52	Sustainability in Material Purchasing: A Multi-Objective Economic Order Quantity Model under Carbon Trading. *Sustainability*, **2018**, 10, 4438	3.6	14
51	A method to choose between carton from rack picking or carton from pallet picking. *Computers and Industrial Engineering*, **2018**, 126, 88-98	6.4	7
50	Additional effort estimation due to ergonomic conditions in order picking systems. *International Journal of Production Research*, **2017**, 55, 2764-2774	7.8	17
49	Ergo-lot-sizing: An approach to integrate ergonomic and economic objectives in manual materials handling. *International Journal of Production Economics*, **2017**, 185, 230-239	9.3	23
48	Visual management and artificial intelligence integrated in a new fuzzy-based full body postural assessment. *Computers and Industrial Engineering*, **2017**, 111, 596-608	6.4	11
47	Closed Loop Supply Chain (CLSC): Economics, Modelling, Management and Control. *International Journal of Production Economics*, **2017**, 183, 319-321	9.3	35
46	Preventing ergonomic risks with integrated planning on assembly line balancing and parts feeding. *International Journal of Production Research*, **2017**, 55, 7452-7472	7.8	43
45	Reprint of Ergo-lot-sizing: An approach to integrate ergonomic and economic objectives in manual materials handling *International Journal of Production Economics*, **2017**, 194, 32-42	9.3	
44	Workforce management in manual assembly lines of large products: a case study. *IFAC-PapersOnLine*, **2017**, 50, 6906-6911	0.7	16
43	Closed-loop supply chain simulation with disruption considerations: a case-study on Tesla. *International Journal of Inventory Research*, **2017**, 4, 257	0.4	20
42	Closed-loop supply chain simulation with disruption considerations: a case-study on Tesla. *International Journal of Inventory Research*, **2017**, 4, 257	0.4	2

41	The Integrated Assembly Line Balancing and Parts Feeding Problem with Ergonomics Considerations. *IFAC-PapersOnLine*, **2016**, 49, 191-196	0.7	27
40	Sustainable humanitarian operations: closed-loop supply chain. *International Journal of Services and Operations Management*, **2016**, 25, 65	0.4	11
39	A new bi-objective approach for including ergonomic principles into EOQ model. *International Journal of Production Research*, **2016**, 54, 2610-2627	7.8	19
38	New easy to use postural assessment method through visual management. *International Journal of Industrial Ergonomics*, **2016**, 53, 48-58	2.9	17
37	Human energy expenditure in order picking storage assignment: A bi-objective method. *Computers and Industrial Engineering*, **2016**, 94, 147-157	6.4	52
36	Ergonomics in assembly line balancing based on energy expenditure: a multi-objective model. *International Journal of Production Research*, **2016**, 54, 824-845	7.8	76
35	New RFID pick-to-light system: Operating characteristics and future potential. *International Journal of RF Technologies: Research and Applications*, **2016**, 7, 43-63	0.9	11
34	Sustainable Packaging Development for Fresh Food Supply Chains. *Packaging Technology and Science*, **2016**, 29, 25-43	2.3	32
33	Haulage sharing approach to achieve sustainability in material purchasing: New method and numerical applications. *International Journal of Production Economics*, **2015**, 164, 308-318	9.3	26
32	Linking human availability and ergonomics parameters in order-picking systems. *IFAC-PapersOnLine*, **2015**, 48, 345-350	0.7	6
31	Order picking system design: the storage assignment and travel distance estimation (SA&TDE) joint method. *International Journal of Production Research*, **2015**, 53, 1077-1093	7.8	48
30	A comparative analysis of different paperless picking systems. *Industrial Management and Data Systems*, **2015**, 115, 483-503	3.6	46
29	Ergo-Lot-Sizing: Considering Ergonomics in Lot-Sizing Decisions. *IFAC-PapersOnLine*, **2015**, 48, 326-331	0.7	9
28	Routing strategy in a distribution network when the driver learning effect is considered. *International Journal of Logistics Systems and Management*, **2015**, 21, 385	0.7	3
27	A sustainable EOQ model: Theoretical formulation and applications. *International Journal of Production Economics*, **2014**, 149, 145-153	9.3	134
26	Innovative real-time system to integrate ergonomic evaluations into warehouse design and management. *Computers and Industrial Engineering*, **2014**, 77, 1-10	6.4	74
25	A century of evolution from Harris?s basic lot size model: Survey and research agenda. *International Journal of Production Economics*, **2014**, 155, 16-38	9.3	118
24	Inventory holding costs measurement: a multi-case study. *International Journal of Logistics Management*, **2014**, 25, 109-132	4.5	37

23	Just-in-Time supermarkets for part supply in the automobile industry. *Journal of Management Control*, **2013**, 24, 209-217	2.4	75
22	Buffer design for availability: a new simulative study in case of infant and random failures. *International Journal of Services and Operations Management*, **2013**, 14, 157	0.4	7
21	Modelling the Growing Process of Integrated Healthcare Supply Networks. *International Journal of System Dynamics Applications*, **2013**, 2, 1-13	0.7	7
20	Design of an integrated quality assurance strategy in production systems. *International Journal of Production Research*, **2012**, 50, 1682-1701	7.8	7
19	Sequencing procedure for balancing the workloads variations in case of mixed model assembly system with multiple secondary feeder lines. *International Journal of Production Research*, **2012**, 50, 6081-6098	7.8	29
18	Mixed model assembly system with multiple secondary feeder lines: layout design and balancing procedure for ATO environment. *International Journal of Production Research*, **2012**, 50, 5132-5151	7.8	26
17	Innovative travel time model for dual-shuttle automated storage/retrieval systems. *Computers and Industrial Engineering*, **2011**, 61, 600-607	6.4	25
16	Decreasing network complexity with logistics outsourcing: an entropic approach. *International Journal of Procurement Management*, **2010**, 3, 339	0.6	10
15	Performance measurement in supply chains: new network analysis and entropic indexes. *International Journal of Production Research*, **2010**, 48, 2297-2321	7.8	66
14	Evaluation of the mixed-model assembly line balancing problem with variable operation times and product mix. *International Journal of Services and Operations Management*, **2010**, 6, 126	0.4	7
13	Framework to optimise the inventory centralisation/ decentralisation degree and feeding policy in assembly systems. *International Journal of Services and Operations Management*, **2010**, 6, 184	0.4	7
12	Supermarket warehouses' stocking policies optimization in an assembly-to-order environment. *International Journal of Advanced Manufacturing Technology*, **2010**, 50, 775-788	3.2	48
11	Logistic Game: learning by doing and knowledge-sharing. *Production Planning and Control*, **2009**, 20, 724-736	4.3	17
10	A new methodological framework to implement an RFID project and its application. *International Journal of RF Technologies: Research and Applications*, **2009**, 1, 77-94	0.9	16
9	Balancing-sequencing procedure for a mixed model assembly system in case of finite buffer capacity. *International Journal of Advanced Manufacturing Technology*, **2009**, 44, 345-359	3.2	42
8	Design of the optimal feeding policy in an assembly system. *International Journal of Production Economics*, **2009**, 121, 233-254	9.3	82
7	Optimal safety stock levels of subassemblies and manufacturing components. *International Journal of Production Economics*, **2007**, 110, 147-159	9.3	49
6	Design configuration for a mixed-model assembly system in case of low product demand. *International Journal of Advanced Manufacturing Technology*, **2007**, 34, 188-200	3.2	42

5	Remote control and maintenance outsourcing networks and its applications in supply chain management. *Journal of Operations Management*, **2007**, 25, 1275-1291	5.2	36
4	Assembly line balancing problem with ergonomics: a new fatigue and recovery model. *International Journal of Production Research*,1-14	7.8	5
3	A Joint Assembly Line Balancing and Feeding Problem (JALBFP) considering direct and indirect supply strategies. *International Journal of Production Research*,1-19	7.8	0
2	Applying the zero-inflated Poisson regression in the inventory management of irregular demand items. *Journal of Industrial and Production Engineering*,1-21	1	0
1	The performance impact of Industry 4.0 technologies on closed-loop supply chains: insights from an Italy based survey. *International Journal of Production Research*,1-26	7.8	1