

# Alexandre Dolgui

## List of Publications by Year in descending order

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416  
papers

18,091  
citations

20817

60  
h-index

19190

118  
g-index

437  
all docs

437  
docs citations

437  
times ranked

6924  
citing authors

#	ARTICLE	IF	CITATIONS
1	Viability of intertwined supply networks: extending the supply chain resilience angles towards survivability. A position paper motivated by COVID-19 outbreak. <i>International Journal of Production Research</i> , 2020, 58, 2904-2915.	7.5	985
2	The impact of digital technology and Industry 4.0 on the ripple effect and supply chain risk analytics. <i>International Journal of Production Research</i> , 2019, 57, 829-846.	7.5	965
3	Review of quantitative methods for supply chain resilience analysis. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 125, 285-307.	7.4	654
4	A digital supply chain twin for managing the disruption risks and resilience in the era of Industry 4.0. <i>Production Planning and Control</i> , 2021, 32, 775-788.	8.8	545
5	A taxonomy of line balancing problems and their solution approaches. <i>International Journal of Production Economics</i> , 2013, 142, 259-277.	8.9	531
6	Impacts of epidemic outbreaks on supply chains: mapping a research agenda amid the COVID-19 pandemic through a structured literature review. <i>Annals of Operations Research</i> , 2022, 319, 1159-1196.	4.1	497
7	Ripple effect in the supply chain: an analysis and recent literature. <i>International Journal of Production Research</i> , 2018, 56, 414-430.	7.5	495
8	The Ripple effect in supply chains: trade-off "efficiency-flexibility-resilience"™ in disruption management. <i>International Journal of Production Research</i> , 2014, 52, 2154-2172.	7.5	451
9	Literature review on disruption recovery in the supply chain. <i>International Journal of Production Research</i> , 2017, 55, 6158-6174.	7.5	444
10	A dynamic model and an algorithm for short-term supply chain scheduling in the smart factory industry 4.0. <i>International Journal of Production Research</i> , 2016, 54, 386-402.	7.5	417
11	Blockchain-oriented dynamic modelling of smart contract design and execution in the supply chain. <i>International Journal of Production Research</i> , 2020, 58, 2184-2199.	7.5	315
12	OR-methods for coping with the ripple effect in supply chains during COVID-19 pandemic: Managerial insights and research implications. <i>International Journal of Production Economics</i> , 2021, 232, 107921.	8.9	293
13	A stochastic model for operating room planning with elective and emergency demand for surgery. <i>European Journal of Operational Research</i> , 2008, 185, 1026-1037.	5.7	278
14	Reconfigurable supply chain: the X-network. <i>International Journal of Production Research</i> , 2020, 58, 4138-4163.	7.5	261
15	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.	7.5	248
16	Low-Certainty-Need (LCN) supply chains: a new perspective in managing disruption risks and resilience. <i>International Journal of Production Research</i> , 2019, 57, 5119-5136.	7.5	220
17	State of art of optimization methods for assembly line design. <i>Annual Reviews in Control</i> , 2002, 26, 163-174.	7.9	216
18	Does the ripple effect influence the bullwhip effect? An integrated analysis of structural and operational dynamics in the supply chain. <i>International Journal of Production Research</i> , 2020, 58, 1285-1301.	7.5	211

#	ARTICLE	IF	CITATIONS
19	Scheduling in production, supply chain and Industry 4.0 systems by optimal control: fundamentals, state-of-the-art and applications. International Journal of Production Research, 2019, 57, 411-432.	7.5	206
20	Machine learning in manufacturing and industry 4.0 applications. International Journal of Production Research, 2021, 59, 4773-4778.	7.5	167
21	Ripple effect and supply chain disruption management: new trends and research directions. International Journal of Production Research, 2021, 59, 102-109.	7.5	163
22	Supply planning under uncertainties in MRP environments: A state of the art. Annual Reviews in Control, 2007, 31, 269-279.	7.9	159
23	Supply Chain Engineering. , 2010, , .		156
24	Recent advances and opportunities in sustainable food supply chain: a model-oriented review. International Journal of Production Research, 2018, 56, 5700-5722.	7.5	155
25	A survey on control theory applications to operational systems, supply chain management, and Industry 4.0. Annual Reviews in Control, 2018, 46, 134-147.	7.9	151
26	Blockchain in transport and logistics – paradigms and transitions. International Journal of Production Research, 2020, 58, 2054-2062.	7.5	146
27	An exact solution approach for disassembly line balancing problem under uncertainty of the task processing times. International Journal of Production Research, 2015, 53, 1807-1818.	7.5	136
28	A sample average approximation method for disassembly line balancing problem under uncertainty. Computers and Operations Research, 2014, 51, 111-122.	4.0	125
29	Ripple effect modelling of supplier disruption: integrated Markov chain and dynamic Bayesian network approach. International Journal of Production Research, 2020, 58, 3284-3303.	7.5	124
30	Disruption-driven supply chain (re)-planning and performance impact assessment with consideration of pro-active and recovery policies. Transportation Research, Part E: Logistics and Transportation Review, 2016, 90, 7-24.	7.4	123
31	55th anniversary of Production Research. International Journal of Production Research, 2017, 55, 1-2.	7.5	120
32	Structural quantification of the ripple effect in the supply chain. International Journal of Production Research, 2016, 54, 152-169.	7.5	114
33	Leading scholars in Production Research for the 55th volume anniversary of IJPR. International Journal of Production Research, 2018, 56, 1-9.	7.5	114
34	Ergonomics in assembly line balancing based on energy expenditure: a multi-objective model. International Journal of Production Research, 2016, 54, 824-845.	7.5	112
35	Cloud supply chain: Integrating Industry 4.0 and digital platforms in the “Supply Chain-as-a-Service”. Transportation Research, Part E: Logistics and Transportation Review, 2022, 160, 102676.	7.4	109
36	Ripple effect quantification by supplier risk exposure assessment. International Journal of Production Research, 2020, 58, 5559-5578.	7.5	108

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37	Applicability of optimal control theory to adaptive supply chain planning and scheduling. Annual Reviews in Control, 2012, 36, 73-84.	7.9	103
38	Assembly line balancing under uncertainty: Robust optimization models and exact solution method. Computers and Industrial Engineering, 2013, 65, 261-267.	6.3	102
39	A model for supply planning under lead time uncertainty. International Journal of Production Economics, 2002, 78, 145-152.	8.9	101
40	Hybrid fuzzy-probabilistic approach to supply chain resilience assessment. IEEE Transactions on Engineering Management, 2018, 65, 303-315.	3.5	100
41	Scheduling of recovery actions in the supply chain with resilience analysis considerations. International Journal of Production Research, 2018, 56, 6473-6490.	7.5	86
42	MIP approach to balancing transfer lines with blocks of parallel operations. IIE Transactions, 2006, 38, 869-882.	2.1	81
43	Stability analysis of an optimal balance for an assembly line with fixed cycle time. European Journal of Operational Research, 2006, 168, 783-797.	5.7	81
44	Digital Supply Chain Twins: Managing the Ripple Effect, Resilience, and Disruption Risks by Data-Driven Optimization, Simulation, and Visibility. Profiles in Operations Research, 2019, , 309-332.	0.4	81
45	Reconfigurable manufacturing systems from an optimisation perspective: a focused review of literature. International Journal of Production Research, 2021, 59, 6400-6418.	7.5	81
46	Lateral inventory transshipment problem in online-to-offline supply chain. International Journal of Production Research, 2016, 54, 1951-1963.	7.5	76
47	A bibliography of non-deterministic lot-sizing models. International Journal of Production Research, 2014, 52, 2293-2310.	7.5	74
48	A multi-period inventory transportation model for tactical planning of food grain supply chain. Computers and Industrial Engineering, 2017, 110, 379-394.	6.3	74
49	Exploring supply chain structural dynamics: New disruptive technologies and disruption risks. International Journal of Production Economics, 2020, 229, 107886.	8.9	74
50	Dynamic recovery policies for time-critical supply chains under conditions of ripple effect. International Journal of Production Research, 2016, 54, 7245-7258.	7.5	73
51	A review on the buyer-supplier dyad relationships in sustainable procurement context: past, present and future. International Journal of Production Research, 2016, 54, 1443-1462.	7.5	73
52	Operations management issues in design and control of hybrid human-robot collaborative manufacturing systems: a survey. Annual Reviews in Control, 2020, 49, 264-276.	7.9	73
53	Outsourcing: definitions and analysis. International Journal of Production Research, 2013, 51, 6769-6777.	7.5	71
54	Second order conic approximation for disassembly line design with joint probabilistic constraints. European Journal of Operational Research, 2015, 247, 957-967.	5.7	70

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55	Stress testing supply chains and creating viable ecosystems. <i>Operations Management Research</i> , 2022, 15, 475-486.	8.5	70
56	Profit-oriented partial disassembly line design: dealing with hazardous parts and task processing times uncertainty. <i>International Journal of Production Research</i> , 2018, 56, 7220-7242.	7.5	69
57	Implementing Industry 4.0 principles. <i>Computers and Industrial Engineering</i> , 2021, 158, 107379.	6.3	69
58	A special case of transfer lines balancing by graph approach. <i>European Journal of Operational Research</i> , 2006, 168, 732-746.	5.7	65
59	Cooperative control in production and logistics. <i>Annual Reviews in Control</i> , 2015, 39, 12-29.	7.9	65
60	A solution approach based on beam search algorithm for disassembly line balancing problem. <i>Journal of Manufacturing Systems</i> , 2016, 41, 188-200.	13.9	65
61	Balancing of simple assembly lines under variations of task processing times. <i>Annals of Operations Research</i> , 2012, 201, 265-286.	4.1	64
62	Integrated detection of disruption scenarios, the ripple effect dispersal and recovery paths in supply chains. <i>Annals of Operations Research</i> , 2022, 319, 609-631.	4.1	63
63	New disruption risk management perspectives in supply chains: digital twins, the ripple effect, and resilianness. <i>IFAC-PapersOnLine</i> , 2019, 52, 337-342.	0.9	62
64	Title is missing!. <i>Mathematical Modelling and Algorithms</i> , 2002, 1, 89-104.	0.5	61
65	Scheduling with due date assignment under special conditions on job processing. <i>Journal of Scheduling</i> , 2012, 15, 447-456.	1.9	61
66	Dealing with uncertainty in disassembly line design. <i>CIRP Annals - Manufacturing Technology</i> , 2014, 63, 21-24.	3.6	60
67	A heuristic approach for transfer lines balancing. <i>Journal of Intelligent Manufacturing</i> , 2005, 16, 159-172.	7.3	59
68	Integration of aggregate distribution and dynamic transportation planning in a supply chain with capacity disruptions and the ripple effect consideration. <i>International Journal of Production Research</i> , 2015, 53, 6963-6979.	7.5	58
69	Optimising integrated inventory policy for perishable items in a multi-stage supply chain. <i>International Journal of Production Research</i> , 2018, 56, 902-925.	7.5	58
70	Supply chain coordination through integration of innovation effort and advertising support. <i>Applied Mathematical Modelling</i> , 2017, 49, 108-123.	4.2	56
71	HBBA: hybrid algorithm for buffer allocation in tandem production lines. <i>Journal of Intelligent Manufacturing</i> , 2007, 18, 411-420.	7.3	55
72	Generalized newsboy model to compute the optimal planned lead times in assembly systems. <i>International Journal of Production Research</i> , 2002, 40, 4401-4414.	7.5	54

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73	Robust balancing of straight assembly lines with interval task times. Journal of the Operational Research Society, 2013, 64, 1607-1613.	3.4	53
74	A decomposition based solution algorithm for U-type assembly line balancing with interval data. Computers and Operations Research, 2015, 59, 126-131.	4.0	53
75	Decision support for design of reconfigurable rotary machining systems for family part production. International Journal of Production Research, 2017, 55, 1368-1385.	7.5	53
76	Disassembly Line Balancing and Sequencing under Uncertainty. Procedia CIRP, 2014, 15, 239-244.	1.9	52
77	A control approach to scheduling flexibly configurable jobs with dynamic structural-logical constraints. IISE Transactions, 2021, 53, 21-38.	2.4	52
78	Graph approach for optimal design of transfer machine with rotary table. International Journal of Production Research, 2009, 47, 321-341.	7.5	51
79	A MIP approach for balancing transfer line with complex industrial constraints. Computers and Industrial Engineering, 2010, 58, 393-400.	6.3	51
80	Workforce reconfiguration strategies in manufacturing systems: a state of the art. International Journal of Production Research, 2021, 59, 6721-6744.	7.5	50
81	State of the art, conceptual framework and simulation analysis of the ripple effect on supply chains. International Journal of Production Research, 2022, 60, 2044-2066.	7.5	49
82	Supply planning for single-level assembly system with stochastic component delivery times and service-level constraint. International Journal of Production Economics, 2008, 115, 236-247.	8.9	48
83	An evaluation of constructive heuristic methods for solving the alternative subgraphs assembly line balancing problem. Journal of Heuristics, 2009, 15, 109-132.	1.4	48
84	Collection-disassembly problem in reverse supply chain. International Journal of Production Economics, 2017, 183, 334-344.	8.9	48
85	Design for manufacturing and assembly/disassembly: joint design of products and production systems. International Journal of Production Research, 2018, 56, 7181-7189.	7.5	48
86	Multi-objective optimization for inventory control in two-level assembly systems under uncertainty of lead times. Computers and Operations Research, 2010, 37, 1835-1843.	4.0	47
87	The MPS parameterization under lead time uncertainty. International Journal of Production Economics, 2004, 90, 369-376.	8.9	46
88	Optimal supply planning in MRP environments for assembly systems with random component procurement times. International Journal of Production Research, 2008, 46, 5441-5467.	7.5	46
89	Pricing strategies and models. Annual Reviews in Control, 2010, 34, 101-110.	7.9	45
90	The complexity of dissociation set problems in graphs. Discrete Applied Mathematics, 2011, 159, 1352-1366.	0.9	45

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91	Optimal MRP parameters for a single item inventory with random replenishment lead time, POQ policy and service level constraint. <i>International Journal of Production Economics</i> , 2013, 143, 35-40.	8.9	45
92	Stability measure for a generalized assembly line balancing problem. <i>Discrete Applied Mathematics</i> , 2013, 161, 377-394.	0.9	45
93	Scheduling of truck arrivals, truck departures and shop-floor operation in a cross-dock platform, based on trucks loading plans. <i>International Journal of Production Economics</i> , 2017, 194, 102-112.	8.9	45
94	A State of the Art on Supply Planning and Inventory Control under Lead Time Uncertainty. <i>Studies in Informatics and Control</i> , 2013, 22, .	1.2	45
95	Optimisation of multi-position machines and transfer lines. <i>European Journal of Operational Research</i> , 2008, 185, 1375-1389.	5.7	44
96	Workforce minimization for a mixed-model assembly line in the automotive industry. <i>International Journal of Production Economics</i> , 2015, 170, 489-500.	8.9	44
97	A review of cost and profit oriented line design and balancing problems and solution approaches. <i>Annual Reviews in Control</i> , 2015, 40, 14-24.	7.9	43
98	A heuristic multi-start decomposition approach for optimal design of serial machining lines. <i>European Journal of Operational Research</i> , 2008, 189, 902-913.	5.7	42
99	Scenario based robust line balancing: Computational complexity. <i>Discrete Applied Mathematics</i> , 2012, 160, 1955-1963.	0.9	42
100	Assembly line balancing with ergonomics paradigms: two alternative methods. <i>IFAC-PapersOnLine</i> , 2015, 48, 586-591.	0.9	42
101	Comparison of exact and heuristic methods for a transfer line balancing problem. <i>International Journal of Production Economics</i> , 2009, 120, 276-286.	8.9	41
102	Genetic algorithm for balancing reconfigurable machining lines. <i>Computers and Industrial Engineering</i> , 2013, 66, 541-547.	6.3	41
103	A survey of the self-balancing production lines (?bucket brigades?). <i>Journal of Intelligent Manufacturing</i> , 2005, 16, 139-158.	7.3	40
104	Integer programming models for logical layout design of modular machining lines. <i>Computers and Industrial Engineering</i> , 2006, 51, 502-518.	6.3	39
105	Reduction approaches for a generalized line balancing problem. <i>Computers and Operations Research</i> , 2012, 39, 2337-2345.	4.0	39
106	Using common weights and efficiency invariance principles for resource allocation and target setting. <i>International Journal of Production Research</i> , 2017, 55, 4982-4997.	7.5	39
107	Optimal workforce assignment to operations of a paced assembly line. <i>European Journal of Operational Research</i> , 2018, 264, 200-211.	5.7	39
108	Demand forecasting for multiple slow-moving items with short requests history and unequal demand variance. <i>International Journal of Production Economics</i> , 2008, 112, 885-894.	8.9	38

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109	Branch and bound algorithm for a transfer line design problem: Stations with sequentially activated multi-spindle heads. <i>European Journal of Operational Research</i> , 2009, 197, 1119-1132.	5.7	38
110	A reactive GRASP and Path Relinking for balancing reconfigurable transfer lines. <i>International Journal of Production Research</i> , 2012, 50, 5213-5238.	7.5	38
111	User activity measurement in rating-based online-to-offline (O2O) service recommendation. <i>Information Sciences</i> , 2019, 479, 180-196.	6.9	37
112	Genetic algorithms for a supply management problem: MIP-recombination vs greedy decoder. <i>European Journal of Operational Research</i> , 2009, 195, 770-779.	5.7	36
113	A continuous model for supply planning of assembly systems with stochastic component procurement times. <i>International Journal of Production Economics</i> , 2009, 120, 411-417.	8.9	35
114	Calculating safety stocks for assembly systems with random component procurement lead times: A branch and bound algorithm. <i>European Journal of Operational Research</i> , 2009, 199, 723-731.	5.7	35
115	Balancing reconfigurable machining lines via a set partitioning model. <i>International Journal of Production Research</i> , 2014, 52, 4026-4036.	7.5	35
116	A bibliographic review of production line design and balancing under uncertainty. <i>IFAC-PapersOnLine</i> , 2015, 48, 70-75.	0.9	35
117	Robust dynamic schedule coordination control in the supply chain. <i>Computers and Industrial Engineering</i> , 2016, 94, 18-31.	6.3	35
118	Optimal cost design of flow lines with reconfigurable machines for batch production. <i>International Journal of Production Research</i> , 2020, 58, 2937-2952.	7.5	35
119	Genetic algorithm for supply planning in two-level assembly systems with random lead times. <i>Engineering Applications of Artificial Intelligence</i> , 2009, 22, 906-915.	8.1	34
120	Lagrangian Relaxation for Stochastic Disassembly Line Balancing Problem. <i>Procedia CIRP</i> , 2014, 17, 56-60.	1.9	34
121	Financing the newsvendor with preferential credit: bank vs. manufacturer. <i>International Journal of Production Research</i> , 2021, 59, 4228-4247.	7.5	34
122	Combinatorial design of a minimum cost transfer line. <i>Omega</i> , 2012, 40, 31-41.	5.9	33
123	Disruptions in supply chains and recovery policies: state-of-the art review. <i>IFAC-PapersOnLine</i> , 2016, 49, 1436-1441.	0.9	32
124	Manipulator motion planning for high-speed robotic laser cutting. <i>International Journal of Production Research</i> , 2009, 47, 5691-5715.	7.5	31
125	Re-balancing problem for assembly lines: new mathematical model and exact solution method. <i>Assembly Automation</i> , 2015, 35, 16-21.	1.7	31
126	Schedule robustness analysis with the help of attainable sets in continuous flow problem under capacity disruptions. <i>International Journal of Production Research</i> , 2016, 54, 3397-3413.	7.5	31



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127	OR and analytics for digital, resilient, and sustainable manufacturing 4.0. <i>Annals of Operations Research</i> , 2022, 310, 1-6.	4.1	31
128	Balancing large-scale machining lines with multi-spindle heads using decomposition. <i>International Journal of Production Research</i> , 2006, 44, 4105-4120.	7.5	30
129	A General Outline of a Sustainable Supply Chain 4.0. <i>Sustainability</i> , 2020, 12, 7978.	3.2	30
130	Dynamic innovation and pricing decisions in a supply-Chain. <i>Omega</i> , 2021, 103, 102423.	5.9	29
131	Balancing lines with CNC machines: A multi-start ant based heuristic. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2010, 2, 176-182.	4.5	28
132	An efficient two-phase iterative heuristic for Collection-Disassembly problem. <i>Computers and Industrial Engineering</i> , 2017, 110, 505-514.	6.3	28
133	Enumerations and stability analysis of feasible and optimal line balances for simple assembly lines. <i>Computers and Industrial Engineering</i> , 2015, 90, 241-258.	6.3	27
134	Sample average approximation for multi-vehicle collectionâ€“disassembly problem under uncertainty. <i>International Journal of Production Research</i> , 2019, 57, 2409-2428.	7.5	27
135	Applying integrated Blockchain and Big Data technologies to improve supply chain traceability and information sharing in the textile sector. <i>Journal of Industrial Information Integration</i> , 2022, 28, 100345.	6.4	27
136	Planned lead time optimization in material requirement planning environment for multilevel production systems. <i>Journal of Systems Science and Systems Engineering</i> , 2008, 17, 132-155.	1.6	26
137	On the performance of binomial and beta-binomial models of demand forecasting for multiple slow-moving inventory items. <i>Computers and Operations Research</i> , 2008, 35, 893-905.	4.0	26
138	Multi-product lot sizing and scheduling on unrelated parallel machines. <i>IIE Transactions</i> , 2010, 42, 514-524.	2.1	26
139	Chance Constrained Programming Model for Stochastic Profitâ€“Oriented Disassembly Line Balancing in the Presence of Hazardous Parts. <i>IFIP Advances in Information and Communication Technology</i> , 2013, , 103-110.	0.7	26
140	Supply Chain Design With Disruption Considerations: Review of Research Streams on the Ripple Effect in the Supply Chain. <i>IFAC-PapersOnLine</i> , 2015, 48, 1700-1707.	0.9	26
141	Balancing modular transfer lines with serialâ€“parallel activation of spindle heads at stations. <i>Discrete Applied Mathematics</i> , 2009, 157, 68-89.	0.9	25
142	A decision support system for design of mass production machining lines composed of stations with rotary or mobile table. <i>Robotics and Computer-Integrated Manufacturing</i> , 2012, 28, 672-680.	9.9	25
143	An exact optimization approach for a transfer line reconfiguration problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 72, 717-727.	3.0	25
144	Cash flow risk in dual-channel supply chain. <i>International Journal of Production Research</i> , 2015, 53, 3678-3691.	7.5	25

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145	Kinematic aspects of a robot-positioner system in an arc welding application. Control Engineering Practice, 2003, 11, 633-647.	5.5	24
146	Decomposition approach for a problem of lot-sizing and sequencing under uncertainties. International Journal of Computer Integrated Manufacturing, 2005, 18, 376-385.	4.6	24
147	Metaheuristic approaches for the design of machining lines. International Journal of Advanced Manufacturing Technology, 2011, 55, 11-22.	3.0	24
148	Single machine scheduling with precedence constraints and positionally dependent processing times. Computers and Operations Research, 2012, 39, 1218-1224.	4.0	24
149	Stability radii of optimal assembly line balances with a fixed workstation set. International Journal of Production Economics, 2016, 182, 356-371.	8.9	24
150	Single-period inventory model for one-level assembly system with stochastic lead times and demand. International Journal of Production Research, 2016, 54, 186-203.	7.5	24
151	Optimal time phasing and periodicity for MRP with POQ policy. International Journal of Production Economics, 2011, 131, 76-86.	8.9	23
152	New mixed integer approach to solve a multi-level capacitated disassembly lot-sizing problem with defective items and backlogging. Journal of Manufacturing Systems, 2020, 56, 50-57.	13.9	23
153	Some new results on the analysis and simulation of bucket brigades (self-balancing production lines). International Journal of Production Research, 2009, 47, 369-387.	7.5	22
154	Min-max and min-max (relative) regret approaches to representatives selection problem. 4or, 2012, 10, 181-192.	1.6	22
155	The stability radius of an optimal line balance with maximum efficiency for a simple assembly line. European Journal of Operational Research, 2019, 274, 466-481.	5.7	22
156	Multi-stage supply chain scheduling with non-preemptive continuous operations and execution control. International Journal of Production Research, 2014, 52, 4059-4077.	7.5	21
157	CONTROL THEORY APPLICATIONS TO OPERATIONS SYSTEMS, SUPPLY CHAIN MANAGEMENT AND INDUSTRY 4.0 NETWORKS. IFAC-PapersOnLine, 2018, 51, 1536-1541.	0.9	21
158	Optimization of Two-Level Disassembly/Remanufacturing/Assembly System with an Integrated Maintenance Strategy. Applied Sciences (Switzerland), 2018, 8, 666.	2.5	21
159	A two-phase sequential approach to design bioenergy supply chains under uncertainty and social concerns. Computers and Chemical Engineering, 2021, 145, 107131.	3.8	21
160	Balancing Machining Lines: a Two-phase Heuristic. Studies in Informatics and Control, 2010, 19, .	1.2	21
161	Minimizing makespan for multi-spindle head machines with a mobile table. Computers and Operations Research, 2009, 36, 344-357.	4.0	20
162	Enhanced mixed integer programming model for a transfer line design problem. Computers and Industrial Engineering, 2012, 62, 570-578.	6.3	20

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163	Integrated configurable equipment selection and line balancing for mass production with serial-parallel machining systems. <i>Engineering Optimization</i> , 2014, 46, 1369-1388.	2.6	20
164	Maximizing the robustness for simple assembly lines with fixed cycle time and limited number of workstations. <i>Discrete Applied Mathematics</i> , 2016, 208, 123-136.	0.9	20
165	Optimal order release dates for two-level assembly systems with stochastic lead times at each level. <i>International Journal of Production Research</i> , 2018, 56, 4226-4242.	7.5	20
166	Optimal Control Algorithms and Their Analysis for Short-Term Scheduling in Manufacturing Systems. <i>Algorithms</i> , 2018, 11, 57.	2.1	20
167	Optimization of multi-period supply planning under stochastic lead times and a dynamic demand. <i>International Journal of Production Economics</i> , 2019, 218, 106-117.	8.9	20
168	A literature review of optimization problems for reconfigurable manufacturing systems. <i>IFAC-PapersOnLine</i> , 2019, 52, 433-438.	0.9	20
169	Pricing strategy for B&M store in a dual-channel supply chain based on hotelling model. <i>International Journal of Production Research</i> , 2021, 59, 5578-5591.	7.5	20
170	Genetic algorithm and Monte Carlo simulation for a stochastic capacitated disassembly lot-sizing problem under random lead times. <i>Computers and Industrial Engineering</i> , 2021, 159, 107468.	6.3	20
171	Planification de systèmes d'assemblage avec approvisionnements aléatoires en composants. <i>Journal of Decision Systems</i> , 1995, 4, 255-278.	3.2	19
172	Two-station single-track railway scheduling problem with trains of equal speed. <i>Computers and Industrial Engineering</i> , 2015, 85, 260-267.	6.3	19
173	A multi-objective approach for design of reconfigurable transfer lines. <i>IFAC-PapersOnLine</i> , 2016, 49, 509-514.	0.9	19
174	Minimizing the number of workers in a paced mixed-model assembly line. <i>European Journal of Operational Research</i> , 2019, 272, 188-194.	5.7	19
175	An optimization approach for multi-echelon supply chain viability with disruption risk minimization. <i>Omega</i> , 2022, 112, 102683.	5.9	19
176	Multiobjective optimization of robot motion for laser cutting applications. <i>International Journal of Computer Integrated Manufacturing</i> , 2004, 17, 171-183.	4.6	18
177	Algorithms and implementation of a set partitioning approach for modular machining line design. <i>Computers and Operations Research</i> , 2012, 39, 3147-3155.	4.0	18
178	Optimal design of machines processing pipeline parts. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 63, 963-973.	3.0	18
179	A Stochastic Formulation of the Disassembly Line Balancing Problem. <i>IFIP Advances in Information and Communication Technology</i> , 2013, , 397-404.	0.7	18
180	Complexity of Buffer Capacity Allocation Problems for Production Lines with Unreliable Machines. <i>Mathematical Modelling and Algorithms</i> , 2013, 12, 155-165.	0.5	18

#	ARTICLE	IF	CITATIONS
181	Combinatorial techniques to optimally customize an automated production line with rotary transfer and turrets. IIE Transactions, 2014, 46, 867-879.	2.1	18
182	Planned lead times optimization for multi-level assembly systems under uncertainties. Omega, 2018, 78, 39-56.	5.9	18
183	Ripple Effect in the Supply Chain: Definitions, Frameworks and Future Research Perspectives. Profiles in Operations Research, 2019, , 1-33.	0.4	18
184	An extension to fuzzy estimations and system dynamics for improving supply chains. International Journal of Production Research, 2013, 51, 3156-3166.	7.5	17
185	Component replenishment planning for a single-level assembly system under random lead times: A chance constrained programming approach. International Journal of Production Economics, 2016, 181, 79-86.	8.9	17
186	Analysis of a multicriterial buffer capacity optimization problem for a production line. Automation and Remote Control, 2017, 78, 1276-1289.	0.8	17
187	Integrated production planning and quality control for linear production systems under uncertainties of cycle time and finished product quality. International Journal of Production Research, 2020, 58, 1144-1160.	7.5	17
188	Multi-product sequencing and lot-sizing under uncertainties: A memetic algorithm. Engineering Applications of Artificial Intelligence, 2012, 25, 1598-1610.	8.1	16
189	Using systems dynamics to evaluate the tradeoff among supply chain aggregate production planning policies. International Journal of Operations and Production Management, 2014, 34, 1055-1079.	5.9	16
190	Integrated process planning and system configuration for mixed-model machining on rotary transfer machine. International Journal of Computer Integrated Manufacturing, 2017, 30, 910-925.	4.6	16
191	Disassembly scheduling problem: literature review and future research directions. IFAC-PapersOnLine, 2019, 52, 601-606.	0.9	16
192	Optimisation of the aggregation and execution rates for intersecting operation sets: an example of machining process design. International Journal of Production Research, 2020, 58, 2658-2676.	7.5	16
193	Option contracts for online celebrities as retailers in supply chains. International Journal of Production Research, 2020, 58, 4215-4232.	7.5	16
194	ASSEMBLY LINE DESIGN: A SURVEY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 155-166.	0.4	15
195	Multi-Objective Approach for Production Line Equipment Selection. Management and Production Engineering Review, 2012, 3, 4-17.	1.4	15
196	Scenario-based stochastic linear programming model for multi-period disassembly lot-sizing problems under random lead time. IFAC-PapersOnLine, 2019, 52, 595-600.	0.9	15
197	Integrated stochastic disassembly line balancing and planning problem with machine specificity. International Journal of Production Research, 2022, 60, 1688-1708.	7.5	15
198	Workforce planning and production scheduling in a reconfigurable manufacturing system facing the COVID-19 pandemic. Journal of Manufacturing Systems, 2022, 63, 563-574.	13.9	15

#	ARTICLE	IF	CITATIONS
199	Minimizing setup costs in a transfer line design problem with sequential operation processing. International Journal of Production Economics, 2014, 151, 186-194.	8.9	14
200	Exponential Smoothing for Multi-Product Lot-Sizing With Heijunka and Varying Demand. Management and Production Engineering Review, 2014, 5, 20-26.	1.4	14
201	A Review on Robust Assembly Line Balancing Approaches. IFAC-PapersOnLine, 2019, 52, 987-991.	0.9	14
202	Optimal trade credit coordination policy in dual-channel supply chain with consumer transfer. International Journal of Production Research, 2022, 60, 4641-4653.	7.5	14
203	ON APPLICABILITY OF OPTIMAL CONTROL THEORY TO ADAPTIVE SUPPLY CHAIN PLANNING AND SCHEDULING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 423-434.	0.4	13
204	Towards green automated production line with rotary transfer and turrets: a multi-objective approach using a binary scatter tabu search procedure. International Journal of Computer Integrated Manufacturing, 2016, 29, 768-785.	4.6	13
205	Dynamic optimisation for highly agile supply chains in e-procurement context. International Journal of Production Research, 2018, 56, 5904-5929.	7.5	13
206	Data Mining-Based Prediction of Manufacturing Situations. IFAC-PapersOnLine, 2018, 51, 316-321.	0.9	13
207	Heuristic Methods to Solve the Alternative Subgraphs Assembly Line Balancing Problem. , 2006, , .		12
208	Optimal MRP offsetting for assembly systems with stochastic lead times: POQ policy and service level constraint. Journal of Intelligent Manufacturing, 2012, 23, 2485-2495.	7.3	12
209	Modelling transfer line design problem via a set partitioning problem. Optimization Letters, 2012, 6, 915-926.	1.6	12
210	Line configuration to minimize setup costs. Mathematical and Computer Modelling, 2012, 55, 2087-2095.	2.0	12
211	Optimal maintenance plan for two-level assembly system and risk study of machine failure. International Journal of Production Research, 2019, 57, 2446-2463.	7.5	12
212	In-house versus outsourcing collection in a closed-loop supply chain with remanufacturing technology development. International Journal of Production Research, 2023, 61, 1720-1735.	7.5	12
213	A random search and backtracking procedure for transfer line balancing. International Journal of Computer Integrated Manufacturing, 2008, 21, 376-387.	4.6	11
214	Multi-product lot-sizing and sequencing on a single imperfect machine. Computational Optimization and Applications, 2011, 50, 465-482.	1.6	11
215	A Survey on Cost and Profit Oriented Assembly Line Balancing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6159-6167.	0.4	11
216	Some new ideas for assembly line balancing research. IFAC-PapersOnLine, 2017, 50, 2255-2259.	0.9	11

#	ARTICLE	IF	CITATIONS
217	Workforce planning and assignment in mixed-model assembly lines as a factor of line reconfigurability: state of the art. IFAC-PapersOnLine, 2019, 52, 2746-2751.	0.9	11
218	Stochastic program for disassembly lot-sizing under uncertain component refurbishing lead times. European Journal of Operational Research, 2022, 303, 1183-1198.	5.7	11
219	Cluster-level operations planning for the out-of-position robotic arc-welding. International Journal of Production Research, 2006, 44, 675-702.	7.5	10
220	On the complexity of the independent set problem in triangle graphs. Discrete Mathematics, 2011, 311, 1670-1680.	0.7	10
221	L-shaped Algorithm for Stochastic Disassembly Line Balancing Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 407-411.	0.4	10
222	Multi-disciplinary analysis of interfaces "Supply Chain Event Management - RFID - control theory". International Journal of Integrated Supply Management, 2013, 8, 52.	0.3	10
223	A new graphical approach for solving single-machine scheduling problems approximately. International Journal of Production Research, 2014, 52, 3762-3777.	7.5	10
224	A Dynamic Approach to Multi-stage Job Shop Scheduling in an Industry 4.0-Based Flexible Assembly System. IFIP Advances in Information and Communication Technology, 2017, , 475-482.	0.7	10
225	A hybrid genetic algorithm for a multilevel assembly replenishment planning problem with stochastic lead times. Computers and Industrial Engineering, 2020, 149, 106794.	6.3	10
226	The supply chain effects on order strategy of cross-shareholdings. International Journal of Production Research, 2021, 59, 6848-6863.	7.5	10
227	Solving robust bin-packing problems with a branch-and-price approach. European Journal of Operational Research, 2022, 297, 831-843.	5.7	10
228	Machining Lines Automation. , 2009, , 599-617.		10
229	Exact and heuristic algorithms for balancing transfer lines when a set of available spindle heads is given. International Transactions in Operational Research, 2008, 15, 339-357.	2.7	9
230	Extended beta-binomial model for demand forecasting of multiple slow-moving inventory items. International Journal of Systems Science, 2008, 39, 713-726.	5.5	9
231	Ripple Effect in the Time-Critical Food Supply Chains and Recovery Policies. IFAC-PapersOnLine, 2015, 48, 1682-1687.	0.9	9
232	Minimizing the number of stations and station activation costs for a production line. Computers and Operations Research, 2017, 79, 131-139.	4.0	9
233	Optimal due date quoting for a risk-averse decision-maker under CVaR. International Journal of Production Research, 2018, 56, 1934-1959.	7.5	9
234	A rolling horizon simulation approach for managing demand with lead time variability. International Journal of Production Research, 2020, 58, 3800-3820.	7.5	9

#	ARTICLE	IF	CITATIONS
235	CF-NN: a novel decision support model for borrower identification on the peer-to-peer lending platform. <i>International Journal of Production Research</i> , 2021, 59, 6963-6974.	7.5	9
236	Cross-dock distribution and operation planning for overseas delivery consolidation: A case study in the automotive industry. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021, 33, 71-81.	4.5	9
237	Proactive Scheduling and Reactive Real-Time Control in Industry 4.0. <i>Profiles in Operations Research</i> , 2020, , 11-37.	0.4	9
238	ASSISTANT: Learning and Robust Decision Support System for Agile Manufacturing Environments. <i>IFAC-PapersOnLine</i> , 2021, 54, 641-646.	0.9	9
239	A SURVEY ON SUPPLY PLANNING UNDER UNCERTAINTIES IN MRP ENVIRONMENTS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005, 38, 1-12.	0.4	8
240	Equipment Location in Machining Transfer Lines with Multi-spindle Heads. <i>Mathematical Modelling and Algorithms</i> , 2013, 12, 117-133.	0.5	8
241	A decomposition method for stochastic partial disassembly line balancing with profit maximization. , 2013, , .		8
242	Mathematical Model for Supply Planning of Multi-level Assembly Systems with Stochastic Lead Times. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 389-394.	0.4	8
243	Variety-oriented design of rotary production systems. <i>CIRP Annals - Manufacturing Technology</i> , 2015, 64, 411-414.	3.6	8
244	Low carbon economy and equitable society: production, supply chain, and operations management perspectives. <i>Journal of Cleaner Production</i> , 2016, 117, 7-9.	9.3	8
245	Optimal control representation of the mathematical programming model for supply chain dynamic reconfiguration. <i>IFAC-PapersOnLine</i> , 2017, 50, 4994-4999.	0.9	8
246	Simulation to reallocate supply to committed orders under shortage. <i>International Journal of Production Research</i> , 2019, 57, 1552-1570.	7.5	8
247	Introduction to Scheduling in Industry 4.0 and Cloud Manufacturing Systems. <i>Profiles in Operations Research</i> , 2020, , 1-9.	0.4	8
248	A Digital Twin Modular Framework for Reconfigurable Manufacturing Systems. <i>IFIP Advances in Information and Communication Technology</i> , 2020, , 493-500.	0.7	8
249	Financing with preferential credit to coordinate the capital-constraint supply chain. <i>International Journal of Production Research</i> , 2022, 60, 6391-6412.	7.5	8
250	A stochastic method for discrete and continuous optimization in manufacturing systems. <i>Journal of Intelligent Manufacturing</i> , 1997, 8, 405-413.	7.3	7
251	Robust balancing of transfer lines with blocks of uncertain parallel tasks under fixed cycle time and space restrictions. <i>European Journal of Operational Research</i> , 2021, 290, 946-955.	5.7	7
252	Profitability of a multi-model manufacturing line versus multiple dedicated lines. <i>International Journal of Production Economics</i> , 2021, 236, 108113.	8.9	7



#	ARTICLE	IF	CITATIONS
253	A Digital Twin-Driven Methodology for Material Resource Planning Under Uncertainties. IFIP Advances in Information and Communication Technology, 2021, , 321-329.	0.7	7
254	A Transfer Line Balancing Problem by Heuristic Methods: Industrial Case Studies. Decision Making in Manufacturing and Services, 2013, 2, 33-46.	0.2	7
255	Multi-product lot-sizing and scheduling on unrelated parallel machines to minimize makespan. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 828-833.	0.4	6
256	Optimal Design of Rotary Transfer Machines with Turrets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 407-412.	0.4	6
257	Assembly Line Balancing: Conventional Methods and Extensions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 43-48.	0.4	6
258	Integrated Decision Making in Flow Line Balancing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 831-838.	0.4	6
259	Cooperative Control in Production and Logistics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4246-4265.	0.4	6
260	Flow line balancing problem: A survey. , 2015, , .		6
261	Intellectualization of control: cyber-physical supply chain risk analytics. IFAC-PapersOnLine, 2019, 52, 355-360.	0.9	6
262	Service-oriented bi-objective robust collection-disassembly problem with equipment selection. International Journal of Production Research, 2021, 59, 1676-1690.	7.5	6
263	Design of reconfigurable machining lines: A novel comprehensive optimisation method. CIRP Annals - Manufacturing Technology, 2021, 70, 393-398.	3.6	6
264	Balancing of Transfer Lines with Simultaneously Activated Spindles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 45-50.	0.4	5
265	Conception de systÃ©mes de fabrication : prototype d'un logiciel d'aide Ã la dÃ©cision. Journal of Decision Systems, 2005, 14, 489-516.	3.2	5
266	A Decomposition Method for Transfer Line Life Cycle Cost Optimisation. Mathematical Modelling and Algorithms, 2006, 5, 215-238.	0.5	5
267	Passing the torch. International Journal of Production Research, 2012, 50, 307-308.	7.5	5
268	Intelligent Identification Algorithms for Frequency/Power Control in Smart Grid. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 940-945.	0.4	5
269	Balancing reconfigurable machining lines by means of set partitioning model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 426-431.	0.4	5
270	A note on analytic calculation of planned lead times for assembly systems under POQ policy and service level constraint. International Journal of Production Economics, 2012, 140, 778-781.	8.9	5



#	ARTICLE	IF	CITATIONS
271	Lot-sizing on a single imperfect machine: ILP models and FPTAS extensions. Computers and Industrial Engineering, 2013, 65, 561-569.	6.3	5
272	Distribution and operation planning at a cross-dock platform: A case of study at Renault. , 2015, , .		5
273	Cross-docking Operation Scheduling: Truck Arrivals, Shop-Floor Activities and Truck Departures. IFAC-PapersOnLine, 2016, 49, 1353-1358.	0.9	5
274	Evaluation of solution approaches for a stochastic lot-sizing and sequencing problem. International Journal of Production Economics, 2018, 199, 179-192.	8.9	5
275	Comparative Analysis of Heuristic Algorithms Used for Solving a Production and Maintenance Planning Problem (PMPP). Applied Sciences (Switzerland), 2018, 8, 1088.	2.5	5
276	Selected surveys on cutting edge problems in Production Research. International Journal of Production Research, 2019, 57, 4621-4626.	7.5	5
277	Digital Twin Framework for Reconfigurable Manufacturing Systems: Challenges and Requirements. IFIP Advances in Information and Communication Technology, 2021, , 553-562.	0.7	5
278	Simulation Vs. Optimization Approaches to Ripple Effect Modelling in the Supply Chain. Lecture Notes in Logistics, 2018, , 34-39.	0.8	5
279	Reconfiguration of Machining Transfer Lines. Studies in Computational Intelligence, 2013, , 339-353.	0.9	5
280	Integrated Procurementâ€“Disassembly Problem. Lecture Notes in Computer Science, 2014, , 482-490.	1.3	5
281	Stability radius of the optimal assembly line balance with fixed cycle time. , 0, , .		4
282	Balancing production lines composed by series of workstations with parallel operations blocks. , 0, , .		4
283	Robust Modeling of Consumer Behaviour. , 2005, , 55-70.		4
284	Stability of Optimal Line Balance with Given Station Set. , 2005, , 135-149.		4
285	Efficiently solvable cases of quadratic assignment problem with generalized monotonic and incomplete anti-monge matrices. Cybernetics and Systems Analysis, 2007, 43, 112-125.	0.7	4
286	Partie II. Une approche multicritÃ¨re. Journal of Decision Systems, 2008, 17, 337-368.	3.2	4
287	Forecasting risk analysis for supply chains with intermittent demand. International Journal of Risk Assessment and Management, 2008, 9, 213.	0.1	4
288	A branch and bound algorithm for the response time variability problem. Journal of Scheduling, 2013, 16, 243-252.	1.9	4

#	ARTICLE	IF	CITATIONS
289	APPLICATION OF CONTROL THEORETIC TOOLS TO SUPPLY CHAIN DISRUPTION MANAGEMENT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1926-1931.	0.4	4
290	Supply planning and inventory control under lead time uncertainty: A review. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 359-370.	0.4	4
291	Two-dedicated-machine scheduling problem with precedence relations to minimize makespan. Optimization Letters, 2014, 8, 1443-1451.	1.6	4
292	Optimization of the Structure and Execution Modes of Intersecting Operation Sets. IFAC-PapersOnLine, 2016, 49, 105-110.	0.9	4
293	Identification and simulation models in logistics control systems for production processes and freighting. IFAC-PapersOnLine, 2017, 50, 14638-14643.	0.9	4
294	Manufacturing modelling, management and control: IFAC TC 5.2 past, present and future. Annual Reviews in Control, 2020, 49, 258-263.	7.9	4
295	A Newsboy formulae to optimize planned lead times for two-level disassembly systems. IFAC-PapersOnLine, 2020, 53, 10816-10821.	0.9	4
296	Optimizing Modular Machining Line Design Problem with Mixed Activation Mode of Machining Units. Decision Making in Manufacturing and Services, 2013, 1, 35-48.	0.2	4
297	Diagnosis on Energy and Sustainability of Reconfigurable Manufacturing System (RMS) Design: A Bi-level Decomposition Approach. , 2020, , .		4
298	Expected trends in production networks for mass personalization in the cloud technology era. , 2022, , 13-37.		4
299	Stability factor for robust balancing of simple assembly lines under uncertainty. Discrete Applied Mathematics, 2022, 318, 113-132.	0.9	4
300	Model-dependent task assignment in multi-manned mixed-model assembly lines with walking workers. Omega, 2022, 113, 102688.	5.9	4
301	BAYESIAN APPROACH TO MODELLING OF QUASI-PERIODIC INTERMITTENT DEMAND. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 343-348.	0.4	3
302	Manufacturing process planning for robotic arc-welding station with positioning table. , 2005, , .		3
303	A COMPARATIVE EVALUATION OF EXACT AND HEURISTIC METHODS FOR TRANSFER LINE BALANCING PROBLEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 413-418.	0.4	3
304	Emergent Chaotic Behaviour in Agent Based Manufacturing Systems. , 2008, , .		3
305	Control of chaos in agent based manufacturing systems. , 2008, , .		3
306	Partie I. Cas monocritère. Journal of Decision Systems, 2008, 17, 313-336.	3.2	3

#	ARTICLE	IF	CITATIONS
307	Optimization of Multi-tool Cutting Modes for Batch Manufacturing in Large Series Machining Environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 444-448.	0.4	3
308	Guest Editorial Special Section on Radio Frequency Identification. IEEE Transactions on Industrial Informatics, 2012, 8, 688-688.	11.3	3
309	In 2012 <i>IJPR</i> published its 50th volume. International Journal of Production Research, 2013, 51, 6733-6738.	7.5	3
310	Efficiency evaluation model with constraint resource: an application to banking operations. Journal of the Operational Research Society, 2014, 65, 14-22.	3.4	3
311	Approximate solution of a profit maximization constrained virtual business planning problem. Omega, 2015, 57, 212-216.	5.9	3
312	General parametric scheme for the online uniform machine scheduling problem with two different speeds. Information Processing Letters, 2018, 134, 18-23.	0.6	3
313	Mathematical model for dynamic suppliers' selection strategy in multi-period supply planning with lead-times uncertainty. IFAC-PapersOnLine, 2019, 52, 1040-1044.	0.9	3
314	Optimization of power transmission systems using a multi-level decomposition approach. RAIRO - Operations Research, 2007, 41, 213-229.	1.8	3
315	Prise en compte de l'état des produits pour la planification de leur désassemblage. Journal European Des Systemes Automatisés, 2016, 49, 579-605.	0.4	3
316	OPTIMIZATION IN DESIGN OF UNIT HEAD MACHINES WITH A MOBILE TABLE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 431-436.	0.4	2
317	OPTIMIZING MODULAR MACHINING LINE DESIGN PROBLEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 443-448.	0.4	2
318	OPERATIONS RESEARCH TECHNIQUES FOR DESIGN AND ANALYSIS OF LEAN MANUFACTURING SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 11-19.	0.4	2
319	BALANCING TRANSFER LINES WITH MULTI-SPINDLE MACHINES USING GRASP. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 511-516.	0.4	2
320	An Approach for the MRP Parameterization Under Lead Time Uncertainty: Branch and Cut Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12849-12854.	0.4	2
321	Forecasting demand for slow-moving items in case of reporting errors. Risk and Decision Analysis, 2009, 1, 221-230.	0.4	2
322	A new model for equipment selection and transfer line design problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3962-3967.	0.4	2
323	Radio Frequency Identification (RFID) in Supply Chain: Technolog and Concerns. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 49-56.	0.4	2
324	Parallel Machining of Multiple Parts on Rotary Transfer Machines with Turrets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1477-1482.	0.4	2

#	ARTICLE	IF	CITATIONS
325	A supply chain dynamics model for managing perishable products under different e-business scenarios. , 2015, , .		2
326	A new effective dynamic program for an investment optimization problem. Automation and Remote Control, 2016, 77, 1633-1648.	0.8	2
327	Optimal supply planning for two-levels assembly system with stochastic lead-times and maintenance actions. , 2016, , .		2
328	Design of a Multi-agent System to Manage Relay Intercity Freightling. IFAC-PapersOnLine, 2016, 49, 1656-1661.	0.9	2
329	Heuristics for Batch Machining at Reconfigurable Rotary Transfer Machines. IFAC-PapersOnLine, 2016, 49, 491-496.	0.9	2
330	Cost optimization for seriesâ€œparallel execution of a collection of intersecting operation sets. Engineering Optimization, 2016, 48, 756-771.	2.6	2
331	Complexity of Bi-objective Buffer Allocation Problem in Systems with Simple Structure. Communications in Computer and Information Science, 2018, , 278-287.	0.5	2
332	Can a Branch and Bound algorithm solve all instances of SALBP-1 efficiently?. IFAC-PapersOnLine, 2019, 52, 2788-2791.	0.9	2
333	Mathematical Model for Processing Multiple Parts on Multi-positional Reconfigurable Machines with Turrets. IFIP Advances in Information and Communication Technology, 2021, , 563-573.	0.7	2
334	Decision Support System for Joint Product Design and Reconfiguration of Production Systems. IFIP Advances in Information and Communication Technology, 2019, , 231-238.	0.7	2
335	A Stochastic Model for a Two-Level Disassembly Lot-Sizing Problem Under Random Lead Time. IFIP Advances in Information and Communication Technology, 2020, , 275-283.	0.7	2
336	An Exact Method for the Assembly Line Re-balancing Problem. IFIP Advances in Information and Communication Technology, 2013, , 159-166.	0.7	2
337	Reducing the Research Space of Possible Order Release Dates for Multi-level Assembly Systems under Stochastic Lead Times. Lecture Notes in Computer Science, 2014, , 368-374.	1.3	2
338	Scheduling in Production, Supply Chain and Industry 4.0 Systems by Optimal Control: Fundamentals, State-of-the-Art, and Applications. SSRN Electronic Journal, 0, , .	0.4	2
339	Equilibrage de lignes de production. Journal Europeen Des Systemes Automatisees, 2010, 44, 1079-1117.	0.4	2
340	Lot-Sizing and Sequencing on a Single Imperfect Machine. Communications in Computer and Information Science, 2008, , 117-125.	0.5	2
341	Editorial board contributions celebrating the 60th anniversary of IJPR: parts 1 and 2. International Journal of Production Research, 2022, 60, 1-7.	7.5	2
342	On lower and upper bounds for single machine parallel batch scheduling. Optimization Letters, 2022, 16, 2557-2567.	1.6	2

#	ARTICLE	IF	CITATIONS
343	OPTIMAL DESIGN OF TRANSFER LINES WITH BLOCKS OF PARALLEL OPERATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 7-12.	0.4	1
344	Guest Editorial: Modelling, planning and scheduling of manufacturing systems. International Journal of Production Research, 2002, 40, 4307-4308.	7.5	1
345	TRANSFER LINE BALANCING BY A COMBINED APPROACH. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 277-282.	0.4	1
346	GENETIC ALGORITHMS FOR SUPPLY MANAGEMENT PROBLEM WITH LOWER-BOUNDED DEMANDS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 535-540.	0.4	1
347	MANUFACTURING PROCESS PLANNING FOR LASER CUTTING ROBOTIC SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14822-14827.	0.4	1
348	Balancing machining transfer lines using genetic algorithms. , 2009, , .		1
349	Configuration des lignes d'usinage Ã boÃ©tiers multibroches : une approche mixte. RAIRO - Operations Research, 2009, 43, 277-296.	1.8	1
350	Qualitative stability analysis of an optimal balance for an assembly line with fixed stations number. , 2009, , .		1
351	On the Complexity of Dissociation Set Problems in Graphs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1032-1036.	0.4	1
352	Due Date Assignment and Scheduling under Special Conditions on Job Processing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 522-527.	0.4	1
353	Generalized Newsboy model for MRP parameterization under uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 834-839.	0.4	1
354	Scheduling problems with partially ordered jobs. Automation and Remote Control, 2010, 71, 2029-2037.	0.8	1
355	Optimization of Multi-tool Cutting Modes in Multi-item Batch Manufacturing System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 766-771.	0.4	1
356	A Graphical Approach to Solve an Investment Optimization Problem. Mathematical Modelling and Algorithms, 2014, 13, 597-614.	0.5	1
357	Supply planning for multi-levels assembly system under random lead times. IFAC-PapersOnLine, 2015, 48, 254-259.	0.9	1
358	Minimizing the number of workers for one cycle of a paced production line. IFAC-PapersOnLine, 2015, 48, 2281-2286.	0.9	1
359	Coordination of Collection and Disassembly Planning for End-of-Life ProductÃ. IFAC-PapersOnLine, 2015, 48, 76-80.	0.9	1
360	Knapsack problem with objective value gaps. Optimization Letters, 2017, 11, 31-39.	1.6	1

#	ARTICLE	IF	CITATIONS
361	Simple paths with exact and forbidden lengths. Naval Research Logistics, 2018, 65, 78-85.	2.2	1
362	Three parallel task assignment problems with shared resources. IISE Transactions, 2020, 52, 478-485.	2.4	1
363	Supplier Replacement Model in a One-Level Assembly System under Lead-Time Uncertainty. Applied Sciences (Switzerland), 2020, 10, 3366.	2.5	1
364	Multi-period Multi-sourcing Supply Planning with Stochastic Lead-Times, Quantity-Dependent Pricing, and Delivery Flexibility Costs. IFIP Advances in Information and Communication Technology, 2021, , 511-518.	0.7	1
365	A Robust Data Driven Approach to Supply Planning. IFIP Advances in Information and Communication Technology, 2021, , 169-178.	0.7	1
366	Integrated Workforce Allocation and Scheduling in a Reconfigurable Manufacturing System Considering Cloud Manufacturing. IFIP Advances in Information and Communication Technology, 2021, , 535-543.	0.7	1
367	Approches d'optimisation pour un problème de planification de l'assemblage sous incertitude des délais de l'assemblage. Génie Industriel Et Productique, 2020, 3, .	0.4	1
368	Optimization of supply chain planning under uncertainty. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 303-307.	0.4	0
369	A Dynamic Single-Stage Multi-Item Inventory Control Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 73-78.	0.4	0
370	Computer-aided programming of robotic manufacturing cells for laser cutting applications. , 0, , .		0
371	A POLYNOMIAL ALGORITHM FOR THE MPS PARAMETERIZATION UNDER UNCERTAINTY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 19-24.	0.4	0
372	Minimisation of equipment cost for transfer lines with blocks of parallel tasks. , 0, , .		0
373	Une heuristique d'optimisation globale basée sur la $\hat{\tau}$ -transformation. RAIRO - Operations Research, 2003, 37, 119-141.	1.8	0
374	A combined heuristic approach for optimization of a class of machining lines. , 0, , .		0
375	Supply Planning in Multilevel Assembly Systems Under Lead Times uncertainties. , 2006, , .		0
376	QUADRATIC ASSIGNMENT PROBLEM: EASILY SOLVABLE CASES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 437-442.	0.4	0
377	DEMAND FORECASTING FOR MULTIPLE SLOW-MOVING ITEMS WITH LOW CONSUMPTION AND SHORT REQUESTS HISTORY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 161-166.	0.4	0
378	A Supply Planning Model for Multilevel Assembly Systems Under Random Lead Times. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
379	NEW REDUCTION METHODS FOR THE TRANSFER LINE BALANCING PROBLEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 69-74.	0.4	0
380	Planned lead times for one-level assembly system with service level constraint. , 2008, , .		0
381	A Multi-Objective Approach for Transfer Line Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 205-210.	0.4	0
382	A Genetic Algorithm for Replenishment of Two-Level Assembly Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 151-156.	0.4	0
383	MRP parameterization under lead times uncertainties: Case of multilevel serial production systems. , 2009, , .		0
384	Optimisation of Machining Lines Composed of Unit-built Machines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1205-1210.	0.4	0
385	An approach to transfer line balancing via a special set partitioning problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 750-755.	0.4	0
386	A GRASP heuristic for Sequence-Dependent Transfer Line Balancing Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 762-767.	0.4	0
387	Stochastic Dynamic Pricing Models of Monopoly Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1469-1480.	0.4	0
388	Cutting edge of the French production research community. International Journal of Production Research, 2009, 47, 299-303.	7.5	0
389	Post-optimal analysis for a design problem of machining lines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 256-260.	0.4	0
390	ATTAINABLE SETS AND THEIR POSSIBLE APPLICATIONS TO SUPPLY CHAIN ANALYSIS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 578-583.	0.4	0
391	Production Lot Sizes on a Single Imperfect Machine: FPTAS vs ILP models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 590-595.	0.4	0
392	An Intelligent PLM System for Machining Environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1065-1070.	0.4	0
393	A mathematical model for a reconfiguration problem of transfer machining lines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 438-443.	0.4	0
394	Complex Optimization Problems in Locational Analysis and Scheduling. Mathematical Modelling and Algorithms, 2013, 12, 101-103.	0.5	0
395	Integration of additional purchase cost to reduce the lead time uncertainty for one level assembly system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 383-388.	0.4	0
396	A Transfer Line Design Problem with Setup Times and Costs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 778-783.	0.4	0



#	ARTICLE	IF	CITATIONS
397	Stable optimal line balances with a fixed set of the working stations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1726-1731.	0.4	0
398	A Graphical Approach for Solving Single Machine Scheduling Problems Approximately. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1340-1345.	0.4	0
399	Genetic algorithm for multi-level assembly systems under stochastic lead times. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 778-783.	0.4	0
400	Optimizing Series-Parallel Execution of Intersecting Blocks of Operations. IFAC-PapersOnLine, 2015, 48, 1785-1789.	0.9	0
401	A memetic algorithm for a stochastic lot-sizing and sequencing problem. IFAC-PapersOnLine, 2015, 48, 1809-1814.	0.9	0
402	Random lead times in replenishment planning for single-level assembly systems: The value of information. IFAC-PapersOnLine, 2017, 50, 1205-1210.	0.9	0
403	Raptor Feeding Characterization and Dynamic System Simulation Applied to Airport Falconry. Sustainability, 2020, 12, 8920.	3.2	0
404	Structural-Parametric Optimization of a Complex of Intersecting Sets of Operations under Nonstationary Demand. Automation and Remote Control, 2020, 81, 791-802.	0.8	0
405	Designing Bioenergy Supply Chains Under Social Constraints. IFIP Advances in Information and Communication Technology, 2021, , 387-396.	0.7	0
406	A Model for a Multi-level Disassembly System Under Random Disassembly Lead Times. IFIP Advances in Information and Communication Technology, 2021, , 39-47.	0.7	0
407	Optimization of Resource Allocation in Distributed Production Networks. Lecture Notes in Computer Science, 2002, , 322-331.	1.3	0
408	Une g�n�ralisation du Mod�le Normatif des lignes auto-�quilibr�es (�« bucket brigades �»). Journal European Des Systemes Automatisees, 2007, 41, 287-310.	0.4	0
409	Balancing Mass Production Machining Lines with Genetic Algorithms. International Federation for Information Processing, 2010, , 65-72.	0.4	0
410	MRP Offsetting for Assembly Systems with Random Component Delivery Times: A Particular Case. International Federation for Information Processing, 2010, , 144-151.	0.4	0
411	Workforce planning for cyclic production of multiple parts. , 2016, , .		0
412	Workforce planning for cyclic production of multiple parts. , 2016, , .		0
413	Approvisionnement d�une cha�ne logistique agile. Une approche d�optimisation dynamique. Journal European Des Systemes Automatisees, 2016, 49, 749-768.	0.4	0
414	Minimizing task reassignments in the design of reconfigurable manufacturing lines with space restrictions. IFAC-PapersOnLine, 2020, 53, 10437-10442.	0.9	0



#	ARTICLE	IF	CITATIONS
415	The Impact of Dynamic Tasks Assignment in Paced Mixed-Model Assembly Line with Moving Workers. IFIP Advances in Information and Communication Technology, 2020, , 509-517.	0.7	0
416	Advancing Circular Economy: Research Roadmap for Circular Integrated Production Systems. IFIP Advances in Information and Communication Technology, 2021, , 789-796.	0.7	0