

A review of production planning and control: the application to the make-to-order industry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Competitive advantage, customisation and a new taxonomy for non make-to-stock companies. International Journal of Operations and Production Management, 1999, 19, 349-371.	3.5	136
2	Product customisation and manufacturing strategy. International Journal of Operations and Production Management, 2000, 20, 441-467.	3.5	123
3	Internet based supply chain management. International Journal of Operations and Production Management, 2001, 21, 516-525.	3.5	72
4	Aggregate load-oriented workload control: A review and a re-classification of a key approach. International Journal of Production Economics, 2006, 104, 676-693.	5.1	65
5	Refining a Workload Control (WLC) concept: a case study. International Journal of Production Research, 2006, 44, 767-790.	4.9	44
6	Improving supply chain integration using a workload control concept and web-functionality. Production Planning and Control, 2007, 18, 142-155.	5.8	8
7	Market-based negotiation model for employment-driven distributed production scheduling. , 2007, , .		1
8	Semi-interchangeable machines: implications for workload control. Production Planning and Control, 2007, 18, 91-104.	5.8	17
9	A Quantity Discount Pricing Model to Increase Vendor Profits in a Just - in - Time (JIT) Environment. , 2007, , .		0
10	A pull system for delegating knowledge work. Operations Management Research, 2008, 1, 61-68.	5.0	5
11	A model for integrating process planning and production planning and control in machining processes. Robotics and Computer-Integrated Manufacturing, 2008, 24, 532-544.	6.1	34
12	Investigating implementation issues for workload control (WLC): A comparative case study analysis. International Journal of Production Economics, 2008, 112, 452-469.	5.1	49
13	The use of information systems for logistics and supply chain management in South East Europe: Current status and future directionâ††. Omega, 2008, 36, 592-599.	3.6	109
14	The Nature of Supply Chain Management Research. , 2008, , .		1
15	An empirical investigation of the neglect of MRP information by production planners. Production Planning and Control, 2008, 19, 781-787.	5.8	18
16	A workload control procedure for an FMC integrated in a job shop. International Journal of Computer Integrated Manufacturing, 2008, 21, 666-675.	2.9	5
17	Adjusting MRP for dynamic differentiation of identical items for process customisation. Production Planning and Control, 2008, 19, 616-626.	5.8	4
18	Optimization of material requirement planning by fuzzy multi-objective linear programming. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2008, 222, 887-900.	1.5	17

#	ARTICLE	IF	CITATIONS
19	Scheduling coordination in a supply chain using advance demand information. <i>Production Planning and Control</i> , 2008, 19, 655-667.	5.8	15
20	Simulation based evaluation of the Workload Control concept for a company of the automobile industry. , 2008, , .		0
21	Theoretical development of a workload control methodology: evidence from two case studies. <i>International Journal of Production Research</i> , 2008, 46, 3107-3131.	4.9	48
22	Load-Based POLCA: An Integrated Material Control System for Multiproduct, Multimachine Job Shops. <i>Manufacturing and Service Operations Management</i> , 2008, 10, 181-197.	2.3	47
23	The development and application of an interactive end-user training tool: part of an implementation strategy for workload control. <i>Production Planning and Control</i> , 2009, 20, 622-635.	5.8	14
24	A structured modelling approach to simulating dynamic behaviours in complex organisations. <i>Production Planning and Control</i> , 2009, 20, 496-509.	5.8	13
25	Planning and implementing POLCA: a card-based control system for high variety or custom engineered products. <i>Production Planning and Control</i> , 2009, 20, 596-610.	5.8	49
26	Method of buffering critical resources in make-to-order shop floor control in manufacturing complex products. <i>International Journal of Production Research</i> , 2009, 47, 2125-2139.	4.9	6
27	Customer evaluation for order acceptance using a novel class of fuzzy methods based on TOPSIS. <i>Expert Systems With Applications</i> , 2009, 36, 7409-7415.	4.4	86
28	Cobacabana (control of balance by card-based navigation): A card-based system for job shop control. <i>International Journal of Production Economics</i> , 2009, 117, 97-103.	5.1	50
29	A causal analysis of the impact of information systems and supply chain management practices on operational performance: Evidence from manufacturing SMEs in Turkey. <i>International Journal of Production Economics</i> , 2009, 122, 133-149.	5.1	203
30	A lean production control system for high-variety/low-volume environments: a case study implementation. <i>Production Planning and Control</i> , 2009, 20, 586-595.	5.8	79
31	Production planning and control in SMEs: time for change. <i>Production Planning and Control</i> , 2009, 20, 548-558.	5.8	35
32	Identifying production planning and control top authors: analysis of a survey. <i>International Journal of Business Innovation and Research</i> , 2009, 3, 461.	0.1	2
33	Design of multi-agent decision support for configurations of manufacturing networks. , 2009, , .		2
34	Concerning the theory of workload control. <i>European Journal of Operational Research</i> , 2010, 201, 99-111.	3.5	101
35	Design of POLCA material control systems. <i>International Journal of Production Research</i> , 2010, 48, 1455-1477.	4.9	56
36	Product customisation: an empirical study of competitive advantage and repeat business. <i>International Journal of Production Research</i> , 2010, 48, 3845-3865.	4.9	24

#	ARTICLE	IF	CITATIONS
37	Agent and Multi-Agent Systems: Technologies and Applications. Lecture Notes in Computer Science, 2010, , .	1.0	0
38	Workload balancing capability of pull systems in MTO production. International Journal of Production Research, 2010, 48, 2345-2360.	4.9	68
39	Workload control release mechanisms: from practice back to theory building. International Journal of Production Research, 2010, 48, 3593-3617.	4.9	35
40	Decision model for the application of just-in-sequence. International Journal of Production Research, 2011, 49, 5713-5736.	4.9	26
41	ERP System Implementation in Make-to-Order SMEs: An Exploratory Case Study. , 2011, , .		7
42	Three decades of workload control research: a systematic review of the literature. International Journal of Production Research, 2011, 49, 6905-6935.	4.9	83
43	Design, Development & Implementation Of Ontological Knowledge Based System For Automotive Assembly Lines. International Journal of Data Mining & Knowledge Management Process, 2011, 1, 21-40.	0.1	13
44	An integrated modelling approach in support of next generation reconfigurable manufacturing systems. International Journal of Computer Aided Engineering and Technology, 2011, 3, 372.	0.1	10
45	Simulation of Workload Control under Period Release Method at the Make-to-Order Environment. Systems Engineering Procedia, 2011, 2, 316-323.	0.3	1
46	Advanced resource planning as a decision support module for ERP. Computers in Industry, 2011, 62, 1-8.	5.7	40
47	Workload control under continuous order release. International Journal of Production Economics, 2011, 131, 257-262.	5.1	31
48	The theory and practice of workload control: A research agenda and implementation strategy. International Journal of Production Economics, 2011, 131, 689-700.	5.1	58
49	Order sequencing and capacity balancing in synchronous manufacturing. International Journal of Production Research, 2011, 49, 531-552.	4.9	6
50	Optimising workload norms: the influence of shop floor characteristics on setting workload norms for the workload control concept. International Journal of Production Research, 2011, 49, 1151-1171.	4.9	30
51	A lean-based ORR system for non-repetitive manufacturing. International Journal of Production Research, 2012, 50, 3257-3273.	4.9	52
52	Adjusting MRP with real-time process quality for postponement manufacturing. , 2012, , .		0
53	The application of workload control in assembly job shops: an assessment by simulation. International Journal of Production Research, 2012, 50, 5048-5062.	4.9	23
54	Improving the applicability of workload control (WLC): the influence of sequence-dependent set-up times on workload controlled job shops. International Journal of Production Research, 2012, 50, 6419-6430.	4.9	23

#	ARTICLE	IF	CITATIONS
55	A framework for diagnosing the delivery reliability performance of make-to-order companies. International Journal of Production Research, 2012, 50, 5491-5507.	4.9	10
56	Adapting workload control for job shops with high routing complexity. International Journal of Production Economics, 2012, 140, 681-690.	5.1	13
57	The performance of Due Date setting rules in assembly and multi-stage job shops: an assessment by simulation. International Journal of Production Research, 2012, 50, 5949-5965.	4.9	12
58	Placement of effective work-in-progress limits in route-specific unit-based pull systems. International Journal of Production Research, 2012, 50, 4358-4371.	4.9	18
59	Workload control dynamics in practice. International Journal of Production Research, 2012, 50, 443-460.	4.9	13
60	Lean implementation in non-repetitive companies: a survey and analysis. International Journal of Services and Operations Management, 2012, 11, 385.	0.1	29
61	Enterprise Resource Planning systems: An assessment of applicability to Make-To-Order companies. Computers in Industry, 2012, 63, 692-705.	5.7	61
62	Fast assessment of production makespan using aggregate technical data. Computers in Industry, 2012, 63, 972-980.	5.7	1
63	Redu�o do lead time e entregas no prazo em pequenas e m�dias empresas que fabricam sob encomenda: a abordagem Worload Control (WLC) para o Planejamento e Controle da Produ�o (PCP). Gest�o & Produ�o, 2012, 19, 43-58.	0.5	3
64	Real-time production planning and control system for job-shop manufacturing: A system dynamics analysis. European Journal of Operational Research, 2012, 216, 94-104.	3.5	57
65	Customer Enquiry Management in global supply chains: A comparative multi-case study analysis. European Management Journal, 2012, 30, 121-140.	3.1	19
66	Workload Control and Order Release: A Lean Solution for Make-to-Order Companies. Production and Operations Management, 2012, 21, 939-953.	2.1	87
67	POLCA and CONWIP performance in a divergent production line: an automotive case study. Journal of Management Control, 2013, 24, 159-186.	0.8	15
68	Multi-level lot sizing and job shop scheduling with compressible process times: A cutting plane approach. European Journal of Operational Research, 2013, 231, 598-616.	3.5	36
69	Dynamic Drum-Buffer-Rope approach for production planning and control in capacitated flow-shop manufacturing systems. Computers and Industrial Engineering, 2013, 65, 689-703.	3.4	25
70	Advances in Production Management Systems. Competitive Manufacturing for Innovative Products and Services. IFIP Advances in Information and Communication Technology, 2013, , .	0.5	3
71	Applying work flow control in make-to-order job shops. International Journal of Production Economics, 2013, 143, 620-626.	5.1	39
72	Improving Data Integrity in Production Control. Procedia CIRP, 2013, 9, 44-48.	1.0	9

#	ARTICLE	IF	CITATIONS
73	Tactical and Operational Issues in a Hybrid MTO-MTS Production Environment: The Case of Food Production. IFIP Advances in Information and Communication Technology, 2013, , 614-621.	0.5	2
74	Towards an Integrated Workload Control (WLC) Concept: The Performance of Due Date Setting Rules in Job Shops with Contingent Orders. International Journal of Production Research, 2013, 51, 4502-4516.	4.9	14
75	Product variety management. CIRP Annals - Manufacturing Technology, 2013, 62, 629-652.	1.7	448
76	Real-time capacity requirement planning for make-to-order manufacturing with variable time-window orders. Computers and Industrial Engineering, 2013, 64, 641-652.	3.4	10
77	Determining job complexity in an engineer to order environment for due date estimation using a proposed framework. International Journal of Production Research, 2013, 51, 5728-5740.	4.9	15
78	Workload control. International Journal of Operations and Production Management, 2013, 33, 69-103.	3.5	66
79	A state-of-the-art workload control system for customized industry. , 2013, , .		1
80	Petri Net model of repetitive push manufacturing with Polca to minimise value-added WIP. International Journal of Production Research, 2013, 51, 4464-4483.	4.9	12
81	Extending value stream mapping: the synchro-MRP case. International Journal of Production Research, 2013, 51, 5499-5519.	4.9	34
82	Workload control in unbalanced job shops. International Journal of Production Research, 2014, 52, 679-690.	4.9	25
83	Controlled order release: a performance assessment in job shops with sequence-dependent set-up times. Production Planning and Control, 2014, 25, 603-615.	5.8	14
84	Application extensions from the stochastic capacity rationing decision approach. International Journal of Production Research, 2014, 52, 1695-1710.	4.9	5
85	Lean Control for Make-to-Order Companies: Integrating Customer Enquiry Management and Order Release. Production and Operations Management, 2014, 23, 463-476.	2.1	64
86	Integrating load-based order release and priority dispatching. International Journal of Production Research, 2014, 52, 1059-1073.	4.9	36
87	Card-based workload control for job shops: Improving COBACABANA. International Journal of Production Economics, 2014, 147, 180-188.	5.1	36
88	A framework for ICT-enabled real-time production planning and control. Advances in Manufacturing, 2014, 2, 158-164.	3.2	38
89	Taxonomy of Engineer-To-Order Companies. Lecture Notes in Computer Science, 2014, , 579-587.	1.0	1
90	Collaborative engineering: A framework for engineering-to-order companies. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
91	A New Set of Principles for Pursuing the Lean Ideal in Engineer-to-order Manufacturers. <i>Procedia CIRP</i> , 2014, 17, 571-576.	1.0	36
92	Continuous workload control order release revisited: an assessment by simulation. <i>International Journal of Production Research</i> , 2014, 52, 6664-6680.	4.9	25
93	Developing due dates in an engineer-to-order engineering environment. <i>International Journal of Production Research</i> , 2014, 52, 6349-6361.	4.9	31
94	The design of simple subcontracting rules for make-to-order shops: An assessment by simulation. <i>European Journal of Operational Research</i> , 2014, 239, 854-864.	3.5	8
96	Semiconductor supply planning by considering transit options to take advantage of pre-productions and order cancellations. <i>Simulation Modelling Practice and Theory</i> , 2014, 41, 46-58.	2.2	3
97	Push-Kanban – a kanban-based production control concept for job shops. <i>Production Planning and Control</i> , 2014, 25, 401-413.	5.8	9
98	A study on value setting of product functional specifications with consideration of parts and inventory costs for engineer-to-order production. <i>Asian J of Management Science and Applications</i> , 2015, 2, 33.	0.1	1
99	Design and simulation of CONWIP in the complex flexible job shop of a Make-To-Order manufacturing firm. <i>International Journal of Industrial Engineering Computations</i> , 2015, 6, 117-134.	0.4	13
100	A study on the importance of selection rules within unbalanced MTO POLCA-controlled production systems. <i>International Journal of Industrial and Systems Engineering</i> , 2015, 20, 457.	0.1	5
101	Sequencing jobs in an engineer-to-order engineering environment. <i>Production and Manufacturing Research</i> , 2015, 3, 201-217.	0.9	15
102	Assessing performance of Workload Control in High Variety Low Volumes MTO job shops: A simulative analysis. , 2015, , .		5
103	Simulation of two hybrid production planning and control systems: A comparative analysis. , 2015, , .		4
104	A case study of the successful implementation of workload control. <i>Journal of Manufacturing Technology Management</i> , 2015, 26, 280-296.	3.3	25
105	The applicability and impact of Enterprise Resource Planning (ERP) systems: Results from a mixed method study on Make-To-Order (MTO) companies. <i>Computers in Industry</i> , 2015, 70, 127-143.	5.7	22
106	Robust order promising with anticipated customer response. <i>International Journal of Production Economics</i> , 2015, 170, 529-542.	5.1	10
107	Engineer-to-order (ETO) production planning and control: an empirical framework for machinery-building companies. <i>Production Planning and Control</i> , 2015, 26, 910-932.	5.8	62
108	The effects of managerial decision making behaviour and order book size on workload control system implementation in Make-To-Order companies. <i>Production Planning and Control</i> , 2015, 26, 97-115.	5.8	8
109	Order release in the hybrid MTO-FTO production. <i>International Journal of Production Economics</i> , 2015, 170, 513-520.	5.1	18

#	ARTICLE	IF	CITATIONS
110	Workload control policies under continuous order release. <i>Production Engineering</i> , 2015, 9, 655-664.	1.1	7
111	Implementing Lean in Engineer-to-Order Industry: A Case Study. <i>IFIP Advances in Information and Communication Technology</i> , 2015, , 248-255.	0.5	5
112	Implementation of S-DBR in four manufacturing SMEs: a research case study. <i>Production Planning and Control</i> , 2015, 26, 1110-1127.	5.8	12
113	Understanding Key Engineering Changes for Materials Management in ETO Environment. <i>IFIP Advances in Information and Communication Technology</i> , 2015, , 256-262.	0.5	2
114	Designing a Performance Measurement System for Materials Management Under Engineering Change Situations in ETO Environment. <i>IFIP Advances in Information and Communication Technology</i> , 2015, , 263-270.	0.5	1
115	Concerning Workload Control and Order Release: The Pre-Shop Pool Sequencing Decision. <i>Production and Operations Management</i> , 2015, 24, 1179-1192.	2.1	45
116	Product services for a resource-efficient and circular economy – a review. <i>Journal of Cleaner Production</i> , 2015, 97, 76-91.	4.6	1,259
117	Approach for the prediction of production segmentation potential. <i>IFAC-PapersOnLine</i> , 2016, 49, 42-47.	0.5	0
118	Loading and sequencing heuristics for job scheduling on two unrelated parallel machines with long, sequence-dependent set-up times. <i>International Journal of Production Research</i> , 2016, 54, 6747-6767.	4.9	4
119	Workload control in job shops with re-entrant flows: an assessment by simulation. <i>International Journal of Production Research</i> , 2016, 54, 5136-5150.	4.9	16
120	Manufacturing lead time shortening and stabilisation by means of workload control: an action research and a new method. <i>Production Planning and Control</i> , 2016, , 1-11.	5.8	10
121	Load-Oriented Order Release (LOOR) revisited: bringing it back to the state of the art. <i>Production Planning and Control</i> , 2016, 27, 1078-1091.	5.8	20
122	A framework for production rescheduling in sociotechnical manufacturing environments. <i>Production Planning and Control</i> , 0, , 1-15.	5.8	4
123	Job sequencing and selection within workload control order release: an assessment by simulation. <i>International Journal of Production Research</i> , 2016, 54, 1061-1075.	4.9	16
124	Card-based delivery date promising in high-variety manufacturing with order release control. <i>International Journal of Production Economics</i> , 2016, 172, 19-30.	5.1	12
125	On the integration of input and output control: Workload Control order release. <i>International Journal of Production Economics</i> , 2016, 174, 43-53.	5.1	24
126	Aligning workload control theory and practice: lot splitting and operation overlapping issues. <i>International Journal of Production Research</i> , 2016, 54, 2965-2975.	4.9	20
127	IoT Enabled Production-Logistic Synchronization in Make-to-Order Industry. , 2016, , 527-538.		3

#	ARTICLE	IF	CITATIONS
128	Integration of customer and supplier flexibility in a make-to-order industry. <i>Industrial Management and Data Systems</i> , 2016, 116, 213-235.	2.2	13
129	The effect of supply and demand uncertainties on the optimal production and sales plans for new products. <i>International Journal of Production Research</i> , 2016, 54, 3852-3869.	4.9	16
130	Production planning and control as a tool for eco-efficiency improvement and environmental impact reduction. <i>Production Planning and Control</i> , 2016, 27, 148-156.	5.8	23
131	Hybrid MTO-MTS production planning: An explorative study. <i>European Journal of Operational Research</i> , 2016, 248, 453-461.	3.5	31
132	A Lagrangian relaxation algorithm for order acceptance and scheduling problem: a globalised robust optimisation approach. <i>International Journal of Computer Integrated Manufacturing</i> , 2016, 29, 535-560.	2.9	22
133	Handling the complexities of real-life job shops when implementing workload control: a decision framework and case study. <i>International Journal of Production Research</i> , 2016, 54, 1094-1109.	4.9	10
134	A Benders decomposition approach for order acceptance and scheduling problem: a robust optimization approach. <i>Computational and Applied Mathematics</i> , 2017, 36, 1471-1515.	1.3	21
135	Robust production planning and control for multi-stage systems with flexible final assembly lines. <i>International Journal of Production Research</i> , 2017, 55, 3657-3673.	4.9	29
136	Improving workload control order release: Incorporating a starvation avoidance trigger into continuous release. <i>International Journal of Production Economics</i> , 2017, 194, 181-189.	5.1	23
137	On the backlog-sequencing decision for extending the applicability of ConWIP to high-variety contexts: an assessment by simulation. <i>International Journal of Production Research</i> , 2017, 55, 4695-4711.	4.9	24
138	Scheduling assembly tasks with caterpillar precedence constraints on dedicated machines. <i>International Journal of Production Research</i> , 2017, 55, 1680-1691.	4.9	7
139	Information architecture for effective Workload Control: an insight from a successful implementation. <i>Production Planning and Control</i> , 2017, 28, 351-366.	5.8	13
140	Increasing data integrity for improving decision making in production planning and control. <i>CIRP Annals - Manufacturing Technology</i> , 2017, 66, 425-428.	1.7	43
141	Bottleneck-Oriented Order Release: An Assessment by Simulation. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 406-415.	0.5	1
142	2MTO, a new mapping tool to achieve lean benefits in high-variety low-volume job shops. <i>Production Planning and Control</i> , 2017, 28, 444-458.	5.8	16
143	On the integration of due date setting and order release control. <i>Production Planning and Control</i> , 2017, 28, 420-430.	5.8	11
144	Decision-making method of reconfigurable manufacturing systemsâ€™ reconfiguration by a Gale-Shapley model. <i>Journal of Manufacturing Systems</i> , 2017, 45, 149-158.	7.6	25
145	System Reliability of an Intermittent Production System. , 2017, , 213-233.		0

#	ARTICLE	IF	CITATIONS
146	The fit of Industry 4.0 applications in manufacturing logistics: a multiple case study. <i>Advances in Manufacturing</i> , 2017, 5, 344-358.	3.2	131
147	Order review and release methods in internal logistics of a MTO company. , 2017, , .		1
148	A mixed integer linear programming model for the multi-item uncapacitated lot-sizing problem: a case study in the trailer manufacturing industry. <i>International Journal of Multivariate Data Analysis</i> , 2017, 1, 173.	1.8	0
149	Just-In-Time System and Its Impact on Operational Excellence: An Empirical Study on Jordanian Industrial Companies. <i>International Journal of Business and Management</i> , 2017, 12, 158.	0.1	3
150	Using Modularity to Reduce Complexity of Industrialized Building Systems for Mass Customization. <i>Energies</i> , 2017, 10, 1622.	1.6	35
151	Allocation improvement policies to reduce process time based on workload evaluation in job shop manufacturing systems. <i>International Journal of Industrial Engineering Computations</i> , 2017, , 373-384.	0.4	5
152	Optimizing Leather Cutting Process in Make-to-Order Production to Increase Hide Utilization. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 107-114.	0.3	0
153	The Flexibility Paradox: Achieving Ambidexterity in High-Variety, Low-Volume Manufacturing. <i>Global Journal of Flexible Systems Management</i> , 2018, 19, 69-86.	3.4	17
154	Job shop management of products under internal lifespan and external due date. <i>International Journal of Production Research</i> , 2018, 56, 5457-5474.	4.9	10
155	An information system architecture for build- and engineer-to-order production of application services. <i>Information Systems and E-Business Management</i> , 2018, 16, 649-682.	2.2	3
156	Hybrid modelling of MTO/ETO manufacturing environments for performance assessment. <i>International Journal of Production Research</i> , 2018, 56, 5147-5171.	4.9	9
157	Iterative Optimization-Based Simulation: A Decision Support Tool for Job Release. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 706-713.	0.5	0
158	Successful implementation of an order release mechanism based on workload control: a case study of a make-to-stock manufacturer. <i>International Journal of Production Research</i> , 2018, 56, 1565-1580.	4.9	29
159	The ConWip production control system: a systematic review and classification. <i>International Journal of Production Research</i> , 2018, 56, 5736-5757.	4.9	36
160	Multi-Modal Order Fulfillment: Concept and Application. <i>Production and Operations Management</i> , 2018, 27, 269-284.	2.1	7
161	An empirical application of lean management techniques to support ETO design and production planning. <i>IFAC-PapersOnLine</i> , 2018, 51, 134-139.	0.5	16
162	Representing workload control of manufacturing systems as a dynamic model. <i>IFAC-PapersOnLine</i> , 2018, 51, 825-830.	0.5	3
163	Auftragsfreigabe und Produktionssteuerung. , 2018, , 646-675.		0

#	ARTICLE	IF	CITATIONS
164	A routine-based framework implementing workload control to address recurring disturbances. <i>Production Planning and Control</i> , 2018, 29, 943-957.	5.8	6
165	On the combined effect of due date setting, order release, and output control: an assessment by simulation. <i>International Journal of Production Research</i> , 2019, 57, 1741-1755.	4.9	18
166	Workload control in dual-resource constrained high-variety shops: an assessment by simulation. <i>International Journal of Production Research</i> , 2019, 57, 931-947.	4.9	12
167	An improved particle swarm optimization algorithm for dynamic job shop scheduling problems with random job arrivals. <i>Swarm and Evolutionary Computation</i> , 2019, 51, 100594.	4.5	72
168	Synchronized scheduling of make to order plant and cross-docking warehouse. <i>Computers and Industrial Engineering</i> , 2019, 138, 106108.	3.4	19
169	Bi-objective optimization for a multistate job-shop production network using NSGA-II and TOPSIS. <i>Journal of Manufacturing Systems</i> , 2019, 52, 43-54.	7.6	39
170	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.	4.9	61
171	Economies of collaboration in build-to-model operations. <i>Journal of Operations Management</i> , 2019, 65, 753-773.	3.3	62
172	Mediator assisted simultaneous negotiations with multiple customers for order acceptance decision. <i>Benchmarking</i> , 2019, 26, 1581-1604.	2.9	6
173	Integration of Order Review and Release and Output Control with Worker's allocation in a pure flow shop. <i>IFAC-PapersOnLine</i> , 2019, 52, 2632-2637.	0.5	1
174	Theory of constraints: review and bibliometric analysis. <i>International Journal of Production Research</i> , 2019, 57, 5068-5102.	4.9	47
175	A hybrid algorithm for order acceptance and scheduling problem in make-to-stock/make-to-order industries. <i>Computers and Industrial Engineering</i> , 2019, 127, 841-852.	3.4	32
176	Monitoring production time and cost performance by combining earned value analysis and adaptive fuzzy control. <i>Computers and Industrial Engineering</i> , 2019, 127, 805-821.	3.4	26
177	Compréhension du DDMRP et de son adoption : premiers éléments empiriques. <i>Logistique & Management</i> , 2019, 27, 20-32.	0.3	12
178	POLCA system for supply chain management: simulation in the automotive industry. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 1271-1289.	4.4	10
179	Applicability of Demand-Driven MRP in a complex manufacturing environment. <i>International Journal of Production Research</i> , 2020, 58, 4233-4245.	4.9	30
180	Factors for choosing production control systems in make-to-order shops: a systematic literature review. <i>Journal of Intelligent Manufacturing</i> , 2022, 33, 639-674.	4.4	8
181	Classroom Simulations for Teaching Production Control in Nonrepetitive Contexts: Insights for Theory and Practice. <i>Decision Sciences Journal of Innovative Education</i> , 2020, 18, 568-588.	0.5	3

#	ARTICLE	IF	CITATIONS
182	Hybrid make-to-stock and make-to-order systems: a taxonomic review. <i>International Journal of Production Research</i> , 2020, 58, 4659-4688.	4.9	29
183	Pilotage ConWip en contexte mixte MTO/MTS. <i>Logistique & Management</i> , 2020, 28, 114-124.	0.3	1
184	Machine cell formation for dynamic part population considering part operation trade-off and worker assignment using simulated annealing-based genetic algorithm. <i>European Journal of Industrial Engineering</i> , 2020, 14, 189.	0.5	5
185	Defining accurate delivery dates in make to order job-shops managed by workload control. <i>Flexible Services and Manufacturing Journal</i> , 2021, 33, 956-991.	1.9	9
186	COBACABANA: a real industrial application in a job shop system. <i>Production Planning and Control</i> , 2022, 33, 1061-1077.	5.8	3
187	The use of labour flexibility for output control in workload controlled flow shops: A simulation analysis. <i>International Journal of Industrial Engineering Computations</i> , 2020, , 429-442.	0.4	8
188	Direct Workload Control: simplifying continuous order release. <i>International Journal of Production Research</i> , 2022, 60, 1424-1437.	4.9	4
189	Analysis and improvement of production planning within small-batch make-to-order production. <i>Journal of Physics: Conference Series</i> , 2020, 1515, 022072.	0.3	1
190	Backlog-Sequencing: A Comparison between Workload Control and ConWIP using a simulation approach. <i>Procedia CIRP</i> , 2020, 93, 664-669.	1.0	1
191	A strategic approach for bottleneck identification in make-to-order environments: A drum-buffer-rope action research based case study. <i>Journal of Industrial Engineering and Management</i> , 2020, 13, 18.	1.0	11
192	Smart hardware integration with advanced robot programming technologies for efficient reconfiguration of robot workcells. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 66, 101979.	6.1	39
193	Formal modelling of release control policies as a plug-in for performance evaluation of manufacturing systems. <i>CIRP Annals - Manufacturing Technology</i> , 2020, 69, 377-380.	1.7	10
194	A Dynamic Adjusted Aggregate Load Method to Support Workload Control Policies. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3497.	1.3	5
196	Workload Control order release in general and pure flow shops with limited buffer size induced blocking: an assessment by simulation. <i>International Journal of Production Research</i> , 2021, 59, 2558-2569.	4.9	5
197	Systematic review and discussion of production control systems that emerged between 1999 and 2018. <i>Production Planning and Control</i> , 2021, 32, 511-525.	5.8	23
198	Workload control in additive manufacturing shops where post-processing is a constraint: an assessment by simulation. <i>International Journal of Production Research</i> , 2021, 59, 4268-4286.	4.9	12
199	Knowledge Gain in Production Planning and Execution Systems. <i>Communications in Computer and Information Science</i> , 2021, , 138-146.	0.4	0
200	Bottleneck detection in high-variety make-to-Order shops with complex routings: an assessment by simulation. <i>Production Planning and Control</i> , 2022, 33, 1481-1492.	5.8	8

#	ARTICLE	IF	CITATIONS
201	Understanding and eliminating waste in Engineer-To-Order (ETO) projects: a multiple case study. <i>Production Planning and Control</i> , 2023, 34, 225-241.	5.8	10
202	Implementation of POLCA Integrated QRM Framework for Optimized Production Performance – A Case Study. <i>Sustainability</i> , 2021, 13, 3452.	1.6	3
203	Deploying ambidexterity through better management practices: an investigation based on high-variety, low-volume manufacturing. <i>Journal of Manufacturing Technology Management</i> , 2021, 32, 952-975.	3.3	7
204	Simulation-based optimization of the polca ordering system. <i>Independent Journal of Management & Production</i> , 2021, 12, 672-690.	0.1	1
205	Switch off policies in job-shop manufacturing systems including workload evaluation. <i>International Journal of Management Science and Engineering Management</i> , 2021, 16, 254-263.	2.6	6
206	Machine Learning-Based Model Predictive Control for Collaborative Production Planning Problem with Unknown Information. <i>Electronics (Switzerland)</i> , 2021, 10, 1818.	1.8	20
207	POLCA Approach on Make to Order Production System: An Application from the Hydraulic Industry. <i>Lecture Notes in Management and Industrial Engineering</i> , 2022, , 121-134.	0.3	0
208	Labor flexibility integration in workload control in Industry 4.0 era. <i>Operations Management Research</i> , 2021, 14, 420-433.	5.0	10
209	An FMEA-Based Approach to Waste Reduction A Case on a Make-to-Order Company. , 0, , .		0
210	Performance Evaluation of Different Mechanisms of Production Activity Control in the Context of Industry 4.0. <i>Lecture Notes in Networks and Systems</i> , 2020, , 82-103.	0.5	4
211	Booking Limit Based Revenue Management Approaches for Customer-Value Oriented Make-to-Order Production. <i>Lecture Notes in Logistics</i> , 2019, , 268-282.	0.6	3
212	Approach for Reducing Data Inconsistencies in Production Control. , 2014, , 347-351.		7
213	Enabling Competitive Design of Next Generation Reconfigurable Manufacturing Enterprises. , 2012, , 409-414.		4
214	A Concept for Project Manufacturing Planning and Control for Engineer-to-Order Companies. <i>IFIP Advances in Information and Communication Technology</i> , 2013, , 699-706.	0.5	4
215	Einsatz des Revenue Managements in der Make-to-Order-Produktion. , 2019, , 235-262.		2
216	Material Flow Control in High-Variety Make-to-Order Shops: Combining COBACABANA and POLCA. <i>Production and Operations Management</i> , 2020, 29, 2138-2152.	2.1	12
217	SimulaÃ§Ã£o e estudos de caso no ensino de planejamento e controle da produÃ§Ã£o: um survey com professores da engenharia de produÃ§Ã£o. <i>Production</i> , 2016, 26, 176-189.	1.3	4
218	AnÃ¡lise das prÃ¡ticas de planejamento e controle da produÃ§Ã£o em fornecedores da cadeia automotiva brasileira. <i>GestÃ£o & ProduÃ§Ã£o</i> , 2008, 15, 33-42.	0.5	7

#	ARTICLE	IF	CITATIONS
219	Sistema POLCA: revisão, classificação e análise da literatura. Gestão & Produção, 2014, 21, 532-542.	0.5	6
220	Examining the Relational Benefits of Improved Interfirm Information Processing Capability in Buyer-Supplier Dyads. MIS Quarterly: Management Information Systems, 2013, 37, 149-173.	3.1	109
221	Advanced Resource Planning as Decision Support Module to ERP. SSRN Electronic Journal, 0, , .	0.4	1
222	Dynamic Adjustment of Material Requirement Planning for Postponement Manufacturing. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 34, 950-956.	0.3	1
223	Application of Economic Order Value for Creation of Time-Defined Transactions in Web-Based Open Sourcing System. Lecture Notes in Computer Science, 2010, , 321-329.	1.0	0
224	Applicability of Planning and Control in a Port Environment. Lecture Notes in Computer Science, 2014, , 555-562.	1.0	1
225	Reliable Order Promising with Multidimensional Anticipation of Customer Response. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2017, , 377-383.	0.1	0
226	Production Planning for a Company in the Industry of Compact Discs Mass Replications. Management and Industrial Engineering, 2018, , 497-516.	0.3	1
227	Application of a diagnostic framework based on the concepts of Workload Control to identify the problems related to the delivery reliability in a company of the aeronautical maintenance sector. Gestão & Produção, 2019, 26, .	0.5	0
228	Assessing Fit of Capacity Planning Methods for Delivery Date Setting: An ETO Case Study. IFIP Advances in Information and Communication Technology, 2019, , 265-273.	0.5	0
229	Operationalising Ambidexterity: The Role of "Better" Management Practices in High-Variety, Low-Volume Manufacturing. , 2019, , .		1
230	Çekme sistemleri için kararlılık bir analiz ve bir karar destek sistemi önerisi. Gazi Üniversitesi Fen Bilimleri Dergisi, 2019, 7, 523-539.	0.2	0
231	Evaluating the effects of inventory stockouts in the performance of production control systems. Procedia Manufacturing, 2021, 55, 417-423.	1.9	0
233	Service Levels in Make-to-Order Production: 3D Printing Applications. , 2020, , 61-75.		0
234	Supporting the Decision of the Order Processing Strategy by Using Logistic Models: A Case Study. IFIP Advances in Information and Communication Technology, 2020, , 343-350.	0.5	0
235	Demand Driven MRP – The need to standardise an implementation process.. International Journal of Production Management and Engineering, 2020, 8, 65.	0.8	6
236	Application of the DBR Approach to a Multi-project Manufacturing Context. Lecture Notes in Management and Industrial Engineering, 2021, , 131-145.	0.3	0
237	Smart Working in Industry 4.0: How digital technologies enhance manufacturing workers' activities. Computers and Industrial Engineering, 2022, 163, 107804.	3.4	64

#	ARTICLE	IF	CITATIONS
238	Konzept zur Lösung von industriellen Reihenfolgeplanungsproblemen. ZWF Zeitschrift fuer Wirtschaftlichen Fabrikbetrieb, 2021, 116, 766-770.	0.2	0
239	Balancing earliness and tardiness within workload control order release: an assessment by simulation. Flexible Services and Manufacturing Journal, 2023, 35, 487-508.	1.9	4
240	An Analysis of Research Trends in the Sustainability of Production Planning. Energies, 2022, 15, 483.	1.6	10
241	A comprehensive framework and literature review of supplier selection under different purchasing strategies. Computers and Industrial Engineering, 2022, 167, 108010.	3.4	33
242	Tools and practices for tactical delivery date setting in engineer-to-order environments: a systematic literature review. International Journal of Production Research, 2023, 61, 2339-2371.	4.9	7
243	Integrated and hierarchical systems for coordinating order acceptance and release planning. European Journal of Operational Research, 2022, 303, 1277-1289.	3.5	2
244	Requirements for developing production planning and control systems for engineer-to-order industrialized building systems. Construction Management and Economics, 0, , 1-15.	1.8	3
246	One-of-a-kind production (OKP) planning and control: a comprehensive review and future research directions. International Journal of Productivity and Performance Management, 2022, ahead-of-print, .	2.2	0
247	An Agent-Based Approach for Make-To-Order Master Production Scheduling. Processes, 2022, 10, 921.	1.3	2
248	PERANCANGAN MODEL PENERIMAAN DAN EVALUASI PESANAN PADA INDUSTRI KEMASAN KARTON YANG BERBASISKAN MAKE TO ORDER. Jurnal Teknik Industri, 2017, 2, 10-28.	0.0	1
249	Data based analysis of order processing strategies to support the positioning between conflicting economic and logistic objectives. Procedia CIRP, 2022, 107, 332-337.	1.0	0
250	Improving coordination in assembly job shops: redesigning order release and dispatching. Flexible Services and Manufacturing Journal, 2023, 35, 669-697.	1.9	2
251	Solving flexible job shop scheduling problems in manufacturing with Quantum Annealing. Production Engineering, 2023, 17, 105-115.	1.1	9
252	Impact of the continuous and periodic assessment of a buffer replenishment on the DDMRP method. International Journal of Production Research, 2023, 61, 5637-5658.	4.9	5
253	Towards System State Dispatching in High-Variety Manufacturing. Omega, 2023, 114, 102726.	3.6	3
254	A conceptual framework for smart production planning and control in Industry 4.0. Computers and Industrial Engineering, 2022, 173, 108659.	3.4	19
255	Centralized vs Decentralized Production Planning in ETO Environments: A Theoretical Discussion. IFIP Advances in Information and Communication Technology, 2022, , 329-338.	0.5	1
256	Vsimgen: A Proposal for an Interactive Visualization Tool for Simulation of Production Planning and Control Strategies. Lecture Notes in Networks and Systems, 2023, , 731-752.	0.5	0

#	ARTICLE	IF	CITATIONS
257	Design Principles and Prescriptions for Planning and Controlling Engineer-to-Order Industrialized Building Systems. <i>Sustainability</i> , 2022, 14, 16822.	1.6	1
258	Effect of Setup Times and Workload Trigger Levels on Order Review and Release Policies Performance in a Stochastic Dynamic Job Shop with Sequence-Dependent Setup Time – A Simulation Approach. <i>Journal of Advanced Manufacturing Systems</i> , 2023, 22, 781-798.	0.4	0
259	Comparison of pull management policies for a divergent process with DDMRP buffers: an industrial case study. <i>International Journal of Production Research</i> , 0, , 1-21.	4.9	1
260	Unique control priorities for parallel machines in high-variety manufacturing. <i>Production Planning and Control</i> , 0, , 1-10.	5.8	1
261	Non-hierarchical work-in-progress control in manufacturing. <i>International Journal of Production Economics</i> , 2023, 257, 108768.	5.1	1
262	A Review of the High-Mix, Low-Volume Manufacturing Industry. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1687.	1.3	4
263	Indicator framework for large-scale cacao (<i>Theobroma cacao</i> L.) in vitro plant production planning and controlling. <i>Revista Bionatura</i> , 2023, 8, 1-7.	0.1	0
267	Development of a Production Planning and Control Method Through Productivity Analysis of Bottlenecks. <i>Lecture Notes in Mechanical Engineering</i> , 2024, , 111-118.	0.3	0