

# Damian Krenczyk

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

421  
citations

933447

10  
h-index

1058476

14  
g-index

66  
all docs

66  
docs citations

66  
times ranked

181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration Production Planning and Scheduling Systems for Determination of Transitional Phases in Repetitive Production. Lecture Notes in Computer Science, 2012, , 274-283.	1.3	29
2	Predictive - Reactive Strategy for Real Time Scheduling of Manufacturing Systems. Applied Mechanics and Materials, 0, 307, 470-473.	0.2	26
3	Transient States of Cyclic Production Planning and Control. Applied Mechanics and Materials, 0, 657, 961-965.	0.2	26
4	The Hybrid Method of Knowledge Representation in a CAPP Knowledge Based System. Lecture Notes in Computer Science, 2012, , 284-295.	1.3	25
5	Performance Evaluation of Discrete Event Systems with GPenSIM. Computers, 2018, 7, 8.	3.3	23
6	The deadlock protection method used in the production systems. Journal of Materials Processing Technology, 2005, 164-165, 1388-1394.	6.3	20
7	Production Preparation and Order Verification Systems Integration Using Method Based on Data Transformation and Data Mapping. Lecture Notes in Computer Science, 2011, , 397-404.	1.3	18
8	ERP, APS and Simulation Systems Integration to Support Production Planning and Scheduling. Advances in Intelligent Systems and Computing, 2015, , 451-461.	0.6	17
9	Application of the MIAS methodology in design of the data acquisition system for wastewater treatment plant. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012153.	0.6	16
10	Solving Repetitive Production Planning Problems. An Approach Based on Activity-oriented Petri Nets. Advances in Intelligent Systems and Computing, 2017, , 397-407.	0.6	14
11	Integration of Manufacturing Functions for SME. Holonic-Based Approach. Advances in Intelligent Systems and Computing, 2017, , 464-473.	0.6	13
12	Multi-assortment rhythmic production planning and control. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012133.	0.6	12
13	Simulation Aided Production Planning and Scheduling Using Game Theory Approach. Applied Mechanics and Materials, 0, 809-810, 1450-1455.	0.2	11
14	Automatic Generation Method of Simulation Model for Production Planning and Simulation Systems Integration. Advanced Materials Research, 0, 1036, 825-829.	0.3	10
15	Production planning and scheduling with material handling using modelling and simulation. MATEC Web of Conferences, 2017, 112, 09015.	0.2	9
16	A Heuristic and Simulation Hybrid Approach for Mixed and Multi Model Assembly Line Balancing. Advances in Intelligent Systems and Computing, 2018, , 99-108.	0.6	9
17	Using Discrete-Event Simulation Systems as Support for Production Planning. Applied Mechanics and Materials, 0, 809-810, 1456-1461.	0.2	8
18	Semi-automatic simulation model generation of virtual dynamic networks for production flow planning. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042021.	0.6	8

#	ARTICLE	IF	CITATIONS
19	Integration of manufacturing operations management tools and discrete event simulation. IOP Conference Series: Materials Science and Engineering, 0, 400, 022037.	0.6	8
20	The Method of Production Scheduling with Uncertainties Using the Ants Colony Optimisation. Applied Sciences (Switzerland), 2021, 11, 171.	2.5	8
21	Computer aided production planning - SWZ system of order verification. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012135.	0.6	7
22	Traffic flow routing and scheduling in a food supply network. Industrial Management and Data Systems, 2017, 117, 1972-1994.	3.7	7
23	The method of the production flow synchronisation using the meta-rule conception. Journal of Materials Processing Technology, 2005, 164-165, 1301-1308.	6.3	6
24	The production route selection algorithm in virtual manufacturing networks. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012074.	0.6	6
25	Multi-assortment production flow synchronization. Multiscale modelling approach. MATEC Web of Conferences, 2017, 112, 05003.	0.2	6
26	Flow Synchronisation of the Production Systems: The Distributed Control Approach 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 129-134.	0.4	5
27	Practical application of game theory based production flow planning method in virtual manufacturing networks. IOP Conference Series: Materials Science and Engineering, 2016, 145, 022031.	0.6	5
28	Study on Transient Queueing Delay in a Single-Channel Queueing Model with Setup and Closedown Times. Communications in Computer and Information Science, 2016, , 464-475.	0.5	5
29	Integration of scheduling and discrete event simulation systems to improve production flow planning. IOP Conference Series: Materials Science and Engineering, 2016, 145, 022018.	0.6	5
30	Practical example of game theory application for production route selection. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012087.	0.6	5
31	The influence of algorithms for basic-schedule generation on the performance of predictive and reactive schedules. IOP Conference Series: Materials Science and Engineering, 0, 400, 022042.	0.6	4
32	Production flow planning method applied to virtual manufacturing enterprises. IOP Conference Series: Materials Science and Engineering, 0, 400, 022036.	0.6	4
33	A Hybrid Heuristic Algorithm for Multi-manned Assembly Line Balancing Problem with Location Constraints. Advances in Intelligent Systems and Computing, 2020, , 333-343.	0.6	4
34	An Activity-Oriented Petri Net Simulation Approach for Optimization of Dispatching Rules for Job Shop Transient Scheduling. Advances in Intelligent Systems and Computing, 2018, , 299-309.	0.6	4
35	The planning of the best production route in the assembly system. International Journal of Materials and Product Technology, 2008, 33, 213.	0.2	3
36	Two-Stage orders sequencing system for mixed-model assembly. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012130.	0.6	3

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37	Multi-criteria evaluation methods in the production scheduling. IOP Conference Series: Materials Science and Engineering, 2016, 145, 022019.	0.6	3
38	Data-Driven Simulation Model Generation for ERP and DES Systems Integration. Lecture Notes in Computer Science, 2015, , 264-272.	1.3	3
39	Application of case-based reasoning for machining parameters selection. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042011.	0.6	2
40	An attempt of CNC machining cycleâ€™s application as a tool of the design feature library elaboration. MATEC Web of Conferences, 2017, 112, 06019.	0.2	2
41	Ant colony optimisation for scheduling of flexible job shop with multi-resources requirements. MATEC Web of Conferences, 2017, 112, 06018.	0.2	2
42	The Methodology of Modeling and Simulation of Human Resources and Industrial Robots in FlexSim. Ecoproduction, 2019, , 87-99.	0.8	2
43	Extending GPenSIM for Model Checking on Petri Nets. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	2
44	A New Procedure of Production Orders Sequencing in Mixed-Model Production Systems. Advanced Materials Research, 0, 1036, 864-868.	0.3	1
45	Practical Example of the Integration of Planning and Simulation Systems Using the RapidSim Software. Advanced Materials Research, 2014, 1036, 834-839.	0.3	1
46	Distribution of time to buffer overflow in a finite-buffer manufacturing model with unreliable machine. MATEC Web of Conferences, 2017, 112, 05005.	0.2	1
47	Manage and control information flow in virtual manufacturing enterprises. IOP Conference Series: Materials Science and Engineering, 2018, 400, 022041.	0.6	1
48	Mixed-model assembly line balancing problem with tasks assignment. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012013.	0.6	1
49	A Simulated Annealing Based Method for Sequencing Problem in Mixed Model Assembly Lines. Advances in Intelligent Systems and Computing, 2021, , 331-341.	0.6	1
50	Risk Assessment in a Parallel Production System with the Use of FMEA Method and Linguistic Variables. Lecture Notes in Computer Science, 2017, , 379-390.	1.3	1
51	Transient State Analysis of Queue-Size Behavior and Throughput of the Manufacturing Line with Finite Buffer Capacity and Machine Setup and Closedown Times. Applied Mechanics and Materials, 0, 809-810, 1438-1443.	0.2	0
52	An Idea of the Continuous Flow for Concurrent Multi-Assortment Production. Applied Mechanics and Materials, 0, 809-810, 1444-1449.	0.2	0
53	The comparison of predictive scheduling algorithms for different sizes of job shop scheduling problems. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042019.	0.6	0
54	Selected quality indicators and methods of their measurement. IOP Conference Series: Materials Science and Engineering, 2018, 400, 022039.	0.6	0

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55	Schedule generation schemes for flexible manufacturing systems with additional resources. IOP Conference Series: Materials Science and Engineering, 0, 400, 062016.	0.6	0
56	Multi-domain, Advisory Computing System in Continuous Manufacturing Processes. Advances in Intelligent Systems and Computing, 2020, , 376-385.	0.6	0
57	Heuristic and Backtracking Algorithm for Multimanned Assembly Line Balancing Problem with Location Constraints. Cybernetics and Systems, 2020, 51, 698-713.	2.5	0
58	Sequencing for Improving Mixed-Model Assembly Line Supply Using Heuristic Algorithms. Advances in Intelligent Systems and Computing, 2022, , 777-788.	0.6	0
59	The design optimisation of the self-locking moving device using CAD software. IOP Conference Series: Materials Science and Engineering, 0, 400, 022034.	0.6	0
60	Incorporating Automatic Model Checking into GPenSIM. Studies in Systems, Decision and Control, 2020, , 175-187.	1.0	0