

# Damian Krenczyk

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

421  
citations

1051969

10  
h-index

1181555

14  
g-index

66  
all docs

66  
docs citations

66  
times ranked

195  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequencing for Improving Mixed-Model Assembly Line Supply Using Heuristic Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 777-788.	0.5	0
2	A Simulated Annealing Based Method for Sequencing Problem in Mixed Model Assembly Lines. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 331-341.	0.5	1
3	The Method of Production Scheduling with Uncertainties Using the Ants Colony Optimisation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 171.	1.3	8
4	A Hybrid Heuristic Algorithm for Multi-manned Assembly Line Balancing Problem with Location Constraints. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 333-343.	0.5	4
5	Multi-domain, Advisory Computing System in Continuous Manufacturing Processes. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 376-385.	0.5	0
6	Heuristic and Backtracking Algorithm for Multimanned Assembly Line Balancing Problem with Location Constraints. <i>Cybernetics and Systems</i> , 2020, 51, 698-713.	1.6	0
7	Incorporating Automatic Model Checking into GPenSIM. <i>Studies in Systems, Decision and Control</i> , 2020, , 175-187.	0.8	0
8	The Methodology of Modeling and Simulation of Human Resources and Industrial Robots in FlexSim. <i>Ecoproduction</i> , 2019, , 87-99.	0.8	2
9	Mixed-model assembly line balancing problem with tasks assignment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 591, 012013.	0.3	1
10	Manage and control information flow in virtual manufacturing enterprises. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 400, 022041.	0.3	1
11	Selected quality indicators and methods of their measurement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 400, 022039.	0.3	0
12	Performance Evaluation of Discrete Event Systems with GPenSIM. <i>Computers</i> , 2018, 7, 8.	2.1	23
13	A Heuristic and Simulation Hybrid Approach for Mixed and Multi Model Assembly Line Balancing. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 99-108.	0.5	9
14	An Activity-Oriented Petri Net Simulation Approach for Optimization of Dispatching Rules for Job Shop Transient Scheduling. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 299-309.	0.5	4
15	Traffic flow routing and scheduling in a food supply network. <i>Industrial Management and Data Systems</i> , 2017, 117, 1972-1994.	2.2	7
16	Production planning and scheduling with material handling using modelling and simulation. <i>MATEC Web of Conferences</i> , 2017, 112, 09015.	0.1	9
17	Practical example of game theory application for production route selection. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 227, 012087.	0.3	5
18	Solving Repetitive Production Planning Problems. An Approach Based on Activity-oriented Petri Nets. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 397-407.	0.5	14

#	ARTICLE	IF	CITATIONS
19	Distribution of time to buffer overflow in a finite-buffer manufacturing model with unreliable machine. MATEC Web of Conferences, 2017, 112, 05005.	0.1	1
20	An attempt of CNC machining cycleâ€™s application as a tool of the design feature library elaboration. MATEC Web of Conferences, 2017, 112, 06019.	0.1	2
21	Ant colony optimisation for scheduling of flexible job shop with multi-resources requirements. MATEC Web of Conferences, 2017, 112, 06018.	0.1	2
22	The production route selection algorithm in virtual manufacturing networks. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012074.	0.3	6
23	Multi-assortment production flow synchronization. Multiscale modelling approach. MATEC Web of Conferences, 2017, 112, 05003.	0.1	6
24	Integration of Manufacturing Functions for SME. Holonic-Based Approach. Advances in Intelligent Systems and Computing, 2017, , 464-473.	0.5	13
25	Risk Assessment in a Parallel Production System with the Use of FMEA Method and Linguistic Variables. Lecture Notes in Computer Science, 2017, , 379-390.	1.0	1
26	The comparison of predictive scheduling algorithms for different sizes of job shop scheduling problems. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042019.	0.3	0
27	Application of case-based reasoning for machining parameters selection. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042011.	0.3	2
28	Multi-criteria evaluation methods in the production scheduling. IOP Conference Series: Materials Science and Engineering, 2016, 145, 022019.	0.3	3
29	Practical application of game theory based production flow planning method in virtual manufacturing networks. IOP Conference Series: Materials Science and Engineering, 2016, 145, 022031.	0.3	5
30	Semi-automatic simulation model generation of virtual dynamic networks for production flow planning. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042021.	0.3	8
31	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.	0.4	5
32	Integration of scheduling and discrete event simulation systems to improve production flow planning. IOP Conference Series: Materials Science and Engineering, 2016, 145, 022018.	0.3	5
33	Multi-assortment rhythmic production planning and control. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012133.	0.3	12
34	Two-Stage orders sequencing system for mixed-model assembly. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012130.	0.3	3
35	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.	0.3	16
36	Computer aided production planning - SWZ system of order verification. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012135.	0.3	7

#	ARTICLE	IF	CITATIONS
37	ERP, APS and Simulation Systems Integration to Support Production Planning and Scheduling. Advances in Intelligent Systems and Computing, 2015, , 451-461.	0.5	17
38	Data-Driven Simulation Model Generation for ERP and DES Systems Integration. Lecture Notes in Computer Science, 2015, , 264-272.	1.0	3
39	Practical Example of the Integration of Planning and Simulation Systems Using the RapidSim Software. Advanced Materials Research, 2014, 1036, 834-839.	0.3	1
40	The Hybrid Method of Knowledge Representation in a CAPP Knowledge Based System. Lecture Notes in Computer Science, 2012, , 284-295.	1.0	25
41	Integration Production Planning and Scheduling Systems for Determination of Transitional Phases in Repetitive Production. Lecture Notes in Computer Science, 2012, , 274-283.	1.0	29
42	Production Preparation and Order Verification Systems Integration Using Method Based on Data Transformation and Data Mapping. Lecture Notes in Computer Science, 2011, , 397-404.	1.0	18
43	The planning of the best production route in the assembly system. International Journal of Materials and Product Technology, 2008, 33, 213.	0.1	3
44	The deadlock protection method used in the production systems. Journal of Materials Processing Technology, 2005, 164-165, 1388-1394.	3.1	20
45	The method of the production flow synchronisation using the meta-rule conception. Journal of Materials Processing Technology, 2005, 164-165, 1301-1308.	3.1	6
46	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
47	Predictive - Reactive Strategy for Real Time Scheduling of Manufacturing Systems. Applied Mechanics and Materials, 0, 307, 470-473.	0.2	26
48	Automatic Generation Method of Simulation Model for Production Planning and Simulation Systems Integration. Advanced Materials Research, 0, 1036, 825-829.	0.3	10
49	Transient States of Cyclic Production Planning and Control. Applied Mechanics and Materials, 0, 657, 961-965.	0.2	26
50	A New Procedure of Production Orders Sequencing in Mixed-Model Production Systems. Advanced Materials Research, 0, 1036, 864-868.	0.3	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	Simulation Aided Production Planning and Scheduling Using Game Theory Approach. Applied Mechanics and Materials, 0, 809-810, 1450-1455.	0.2	11
53	An Idea of the Continuous Flow for Concurrent Multi-Assortment Production. Applied Mechanics and Materials, 0, 809-810, 1444-1449.	0.2	0
54	Using Discrete-Event Simulation Systems as Support for Production Planning. Applied Mechanics and Materials, 0, 809-810, 1456-1461.	0.2	8

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55	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.	0.3	4
56	Production flow planning method applied to virtual manufacturing enterprises. IOP Conference Series: Materials Science and Engineering, 0, 400, 022036.	0.3	4
57	Integration of manufacturing operations management tools and discrete event simulation. IOP Conference Series: Materials Science and Engineering, 0, 400, 022037.	0.3	8
58	Schedule generation schemes for flexible manufacturing systems with additional resources. IOP Conference Series: Materials Science and Engineering, 0, 400, 062016.	0.3	0
59	Extending GPenSIM for Model Checking on Petri Nets. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	2
60	The design optimisation of the self-locking moving device using CAD software. IOP Conference Series: Materials Science and Engineering, 0, 400, 022034.	0.3	0