

Iwona Paprocka

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

423
citations

10
h-index

17
g-index

72
ext. papers

492
ext. citations

0.8
avg, IF

4.38
L-index

#	Paper	IF	Citations
72	Application of Blockchain Technology in Production Scheduling and Management of Human Resources Competencies.. <i>Sensors</i> , 2022 , 22,	3.8	2
71	A Predictive Approach for Disassembly Line Balancing Problems. <i>Sensors</i> , 2022 , 22, 3920	3.8	2
70	Analysis of Energy Efficient Scheduling of the Manufacturing Line with Finite Buffer Capacity and Machine Setup and Shutdown Times. <i>Energies</i> , 2021 , 14, 7446	3.1	1
69	Model of Production System Evaluation with the Influence of FDM Machine Reliability and Process-Dependent Product Quality. <i>Materials</i> , 2021 , 14,	3.5	1
68	The Method of Production Scheduling with Uncertainties Using the Ants Colony Optimisation. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 171	2.6	4
67	Predictive maintenance scheduling with reliability characteristics depending on the phase of the machine life cycle. <i>Engineering Optimization</i> , 2021 , 53, 165-183	2	9
66	Predictive Maintenance Scheduling with Failure Rate Described by Truncated Normal Distribution. <i>Sensors</i> , 2020 , 20,	3.8	3
65	The model of maintenance planning and production scheduling for maximising robustness. <i>International Journal of Production Research</i> , 2019 , 57, 4480-4501	7.8	22
64	Evaluation of the Effects of a Machine Failure on the Robustness of a Job Shop System Proactive Approaches. <i>Sustainability</i> , 2019 , 11, 65	3.6	6
63	Production orders planning using additional backward pass scheduling approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 400, 062015	0.4	
62	The initial considerations and tests on the use of real time locating system in manufacturing processes improvement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 400, 042013	0.4	3
61	The influence of algorithms for basic-schedule generation on the performance of predictive and reactive schedules. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 400, 022042	0.4	3
60	A computer simulation as a tool for a production system analysis and optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 400, 022033	0.4	0
59	Integration of manufacturing operations management tools and discrete event simulation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 400, 022037	0.4	6
58	Schedule generation schemes for flexible manufacturing systems with additional resources. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 400, 062016	0.4	
57	The Kanban system for the assembly process of the model of a forklift. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 400, 022043	0.4	
56	A hybrid multi-objective immune algorithm for predictive and reactive scheduling. <i>Journal of Scheduling</i> , 2017 , 20, 165-182	1.6	30

55	Scheduling of an assembly process of a chosen technical mean using the critical chain approach. <i>MATEC Web of Conferences</i> , 2017 , 94, 06015	0.3	1
54	Estimation of the resource buffers in the assembly process of a shearer machine in the CPPM method. <i>MATEC Web of Conferences</i> , 2017 , 94, 06012	0.3	3
53	The influence of printing parameters on selected mechanical properties of FDM/FFF 3D-printed parts. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 227, 012033	0.4	63
52	Tensile tests of specimens made of selected group of the filament materials manufactured with FDM method. <i>MATEC Web of Conferences</i> , 2017 , 112, 04017	0.3	5
51	Production planning and scheduling with material handling using modelling and simulation. <i>MATEC Web of Conferences</i> , 2017 , 112, 09015	0.3	6
50	Algorithms of control parameters selection for automation of FDM 3D printing process. <i>MATEC Web of Conferences</i> , 2017 , 112, 05011	0.3	1
49	Robustness of Schedules Obtained Using the Tabu Search Algorithm Based on the Average Slack Method. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 426-434	0.4	0
48	Application of the Hybrid - Multi Objective Immune Algorithm for Obtaining the Robustness of Schedules. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 445-453	0.4	
47	On the Quality of Basic Schedules Influencing over the Performance of Predictive and Reactive Schedules. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 243-253	0.4	1
46	Distribution of time to buffer overflow in a finite-buffer manufacturing model with unreliable machine. <i>MATEC Web of Conferences</i> , 2017 , 112, 05005	0.3	1
45	An attempt of CNC machining cycle application as a tool of the design feature library elaboration. <i>MATEC Web of Conferences</i> , 2017 , 112, 06019	0.3	2
44	Discrete Event Simulation Method as a Tool for Improvement of Manufacturing Systems. <i>Computers</i> , 2017 , 6, 10	1.9	23
43	Ant colony optimisation for scheduling of flexible job shop with multi-resources requirements. <i>MATEC Web of Conferences</i> , 2017 , 112, 06018	0.3	1
42	Time to Buffer Overflow in a Finite-Capacity Queueing Model with Setup and Closedown Times. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 215-224	0.4	6
41	Searching for a Method of Basic Schedules Generation Which Influences Over the Performance of Predictive and Reactive Schedules. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 233-242	0.4	2
40	The comparison of predictive scheduling algorithms for different sizes of job shop scheduling problems. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 145, 042019	0.4	
39	Study on Transient Queueing Delay in a Single-Channel Queueing Model with Setup and Closedown Times. <i>Communications in Computer and Information Science</i> , 2016 , 464-475	0.3	5
38	Integration of scheduling and discrete event simulation systems to improve production flow planning. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 145, 022018	0.4	4

37	Application of case-based reasoning for machining parameters selection. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 145, 042011	0.4	2
36	Multi-criteria evaluation methods in the production scheduling. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 145, 022019	0.4	3
35	The application of virtual reality systems as a support of digital manufacturing and logistics. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 145, 042017	0.4	5
34	Location Selection and Size Estimation of Resource Buffers in the Critical Chain Project Management Method. <i>Applied Mechanics and Materials</i> , 2015 , 809-810, 1390-1395	0.3	4
33	Transient State Analysis of Queue-Size Behavior and Throughput of the Manufacturing Line with Finite Buffer Capacity and Machine Setup and Closedown Times. <i>Applied Mechanics and Materials</i> , 2015 , 809-810, 1438-1443	0.3	
32	A method of computer aided design with self-generative models in NX Siemens environment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 95, 012123	0.4	1
31	Parameters Tuning of an Immune Algorithm for Time-Series Pattern Recognition to Improve Ability to Escape from a Local Optimum and Achieve a Better Solution. <i>Applied Mechanics and Materials</i> , 2015 , 791, 342-349	0.3	
30	Estimation of overall equipment effectiveness using simulation programme. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 95, 012155	0.4	7
29	Analytical Solution for Time-Dependent Queue-Size Behavior in the Manufacturing Line with Finite Buffer Capacity and Machine Setup and Closedown Times. <i>Applied Mechanics and Materials</i> , 2015 , 809-810, 1360-1365	0.3	4
28	Scheduling Schemes Based on Searching the Aggregated Graph of Operations Planning Sequence. <i>Applied Mechanics and Materials</i> , 2015 , 809-810, 1462-1467	0.3	1
27	Time-dependent solution for the manufacturing line with unreliable machine and batched arrivals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 95, 012094	0.4	3
26	A survey on methods of design features identification. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 95, 012120	0.4	2
25	Production scheduling with discrete and renewable additional resources. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 95, 012132	0.4	3
24	The role of the production scheduling system in rescheduling. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 95, 012140	0.4	2
23	Time-series pattern recognition with an immune algorithm. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 95, 012110	0.4	7
22	Designing Complex Technical Means Using the Integrative Approach for Construction Optimization. <i>Applied Mechanics and Materials</i> , 2015 , 791, 350-355	0.3	
21	Assessment of Production Capacity and Ability of Rapid Response to Changing Customer Expectations. <i>Applied Mechanics and Materials</i> , 2015 , 809-810, 1378-1383	0.3	1
20	On Departure Process in a Production Model with Cyclic Working and Repair Periods. <i>Advanced Materials Research</i> , 2014 , 1036, 846-851	0.5	2

19	Predictive and Reactive Scheduling for a Critical Machine of a Production System. <i>Advanced Materials Research</i> , 2014 , 1036, 909-914	0.5	12
18	Interaction of the Decision Maker in the Process of Production Scheduling. <i>Advanced Materials Research</i> , 2014 , 1036, 830-833	0.5	8
17	On Effect of Model Parameters on Departure Process in a Production System with Failures. <i>Advanced Materials Research</i> , 2014 , 1036, 927-932	0.5	2
16	An Attempt to Application of Chain Codes for Design Similarity Evaluation. <i>Advanced Materials Research</i> , 2014 , 1036, 897-902	0.5	1
15	The Procedure of Reaction to Unexpected Events in Scheduling of Manufacturing Systems with Discrete Production Flow. <i>Advanced Materials Research</i> , 2014 , 1036, 840-845	0.5	4
14	On Transient Queue-Size Distribution in a Single-Machine Production System with Breakdowns. <i>Advanced Materials Research</i> , 2014 , 1036, 505-510	0.5	5
13	Pareto Optimality of Production Schedules in the Stage of Populations Selection of the MOIA Immune Algorithm. <i>Applied Mechanics and Materials</i> , 2014 , 657, 869-873	0.3	10
12	Sensitivity Analysis of Predictive Scheduling Algorithms. <i>Advanced Materials Research</i> , 2014 , 1036, 921-926	0.5	9
11	A Methodology of CAPP/CAP Systems Integration Based on a Product Intermediate State Representation. <i>Advanced Materials Research</i> , 2014 , 1036, 915-920	0.5	
10	On Pareto Optimal Solution for Production and Maintenance Jobs Scheduling Problem in a Job Shop and Flow Shop with an Immune Algorithm. <i>Advanced Materials Research</i> , 2014 , 1036, 875-880	0.5	10
9	A Production Scheduling Model with Maintenance. <i>Advanced Materials Research</i> , 2014 , 1036, 885-890	0.5	18
8	Robust Scheduling, a Production Scheduling Model of Failures. <i>Applied Mechanics and Materials</i> , 2013 , 307, 443-446	0.3	17
7	A Survey on CAPP Systems Development Methods. <i>Advanced Materials Research</i> , 2013 , 837, 387-392	0.5	10
6	Estimation of Reliability Characteristics in a Production Scheduling Model with Failures and Time-Changing Parameters Described by Gamma and Exponential Distributions. <i>Advanced Materials Research</i> , 2013 , 837, 116-121	0.5	18
5	UML Models of Design and Knowledge Representation for Technical Production Preparation Needs. <i>Advanced Materials Research</i> , 2013 , 837, 369-374	0.5	5
4	The Graph Representation of Multivariant and Complex Processes for Production Scheduling. <i>Advanced Materials Research</i> , 2013 , 837, 422-427	0.5	20
3	The Model of Discrete Production Scheduling System in UML Notation - Classes Diagrams. <i>Advanced Materials Research</i> , 2013 , 837, 416-421	0.5	8
2	Simulation model of robotic manufacturing line		3

- 1 The design optimisation of the self-locking moving device using CAD software. *IOP Conference Series: Materials Science and Engineering*, 400, 022034

0.4