Iwona Paprocka

List of Publications by Citations

72	423	10	17
papers	citations	h-index	g-index

72	492	0.8	4.38
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
72	The influence of printing parameters on selected mechanical properties of FDM/FFF 3D-printed parts. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012033	0.4	63
71	A hybrid multi-objective immune algorithm for predictive and reactive scheduling. *Journal of Scheduling*, **2017**, 20, 165-182	1.6	30
70	Discrete Event Simulation Method as a Tool for Improvement of Manufacturing Systems. *Computers*, **2017**, 6, 10	1.9	23
69	The model of maintenance planning and production scheduling for maximising robustness. *International Journal of Production Research*, **2019**, 57, 4480-4501	7.8	22
68	The Graph Representation of Multivariant and Complex Processes for Production Scheduling. *Advanced Materials Research*, **2013**, 837, 422-427	0.5	20
67	A Production Scheduling Model with Maintenance. *Advanced Materials Research*, **2014**, 1036, 885-890	0.5	18
66	Estimation of Reliability Characteristics in a Production Scheduling Model with Failures and Time-Changing Parameters Described by Gamma and Exponential Distributions. *Advanced Materials Research*, **2013**, 837, 116-121	0.5	18
65	Robust Scheduling, a Production Scheduling Model of Failures. *Applied Mechanics and Materials*, **2013**, 307, 443-446	0.3	17
64	Predictive and Reactive Scheduling for a Critical Machine of a Production System. *Advanced Materials Research*, **2014**, 1036, 909-914	0.5	12
63	Pareto Optimality of Production Schedules in the Stage of Populations Selection of the MOIA Immune Algorithm. *Applied Mechanics and Materials*, **2014**, 657, 869-873	0.3	10
62	On Pareto Optimal Solution for Production and Maintenance Jobs Scheduling Problem in a Job Shop and Flow Shop with an Immune Algorithm. *Advanced Materials Research*, **2014**, 1036, 875-880	0.5	10
61	A Survey on Capp Systems Development Methods. *Advanced Materials Research*, **2013**, 837, 387-392	0.5	10
60	Sensitivity Analysis of Predictive Scheduling Algorithms. *Advanced Materials Research*, **2014**, 1036, 921-926	0.5	9
59	Predictive maintenance scheduling with reliability characteristics depending on the phase of the machine life cycle. *Engineering Optimization*, **2021**, 53, 165-183	2	9
58	Interaction of the Decision Maker in the Process of Production Scheduling. *Advanced Materials Research*, **2014**, 1036, 830-833	0.5	8
57	The Model of Discrete Production Scheduling System in UML Notation - Classes Diagrams. *Advanced Materials Research*, **2013**, 837, 416-421	0.5	8
56	Estimation of overall equipment effectiveness using simulation programme. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012155	0.4	7

55	Time-series pattern recognition with an immune algorithm. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012110	0.4	7
54	Production planning and scheduling with material handling using modelling and simulation. *MATEC Web of Conferences*, **2017**, 112, 09015	0.3	6
53	Time to Buffer Overflow in a Finite-Capacity Queueing Model with Setup and Closedown Times. *Advances in Intelligent Systems and Computing*, **2017**, 215-224	0.4	6
52	Evaluation of the Effects of a Machine Failure on the Robustness of a Job Shop System—Proactive Approaches. *Sustainability*, **2019**, 11, 65	3.6	6
51	Integration of manufacturing operations management tools and discrete event simulation. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 022037	0.4	6
50	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	0.3	5
49	Tensile tests of specimens made of selected group of the filament materials manufactured with FDM method. *MATEC Web of Conferences*, **2017**, 112, 04017	0.3	5
48	On Transient Queue-Size Distribution in a Single-Machine Production System with Breakdowns. *Advanced Materials Research*, **2014**, 1036, 505-510	0.5	5
47	UML Models of Design and Knowledge Representation for Technical Production Preparation Needs. *Advanced Materials Research*, **2013**, 837, 369-374	0.5	5
46	The application of virtual reality systems as a support of digital manufacturing and logistics. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 042017	0.4	5
45	Integration of scheduling and discrete event simulation systems to improve production flow planning. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 022018	0.4	4
44	Location Selection and Size Estimation of Resource Buffers in the Critical Chain Project Management Method. *Applied Mechanics and Materials*, **2015**, 809-810, 1390-1395	0.3	4
43	Analytical Solution for Time-Dependent Queue-Size Behavior in the Manufacturing Line with Finite Buffer Capacity and Machine Setup and Closedown Times. *Applied Mechanics and Materials*, **2015**, 809-810, 1360-1365	0.3	4
42	The Procedure of Reaction to Unexpected Events in Scheduling of Manufacturing Systems with Discrete Production Flow. *Advanced Materials Research*, **2014**, 1036, 840-845	0.5	4
41	The Method of Production Scheduling with Uncertainties Using the Ants Colony Optimisation. *Applied Sciences (Switzerland)*, **2021**, 11, 171	2.6	4
40	Estimation of the resource buffers in the assembly process of a shearer machine in the CPPM method. *MATEC Web of Conferences*, **2017**, 94, 06012	0.3	3
39	Time-dependent solution for the manufacturing line with unreliable machine and batched arrivals. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012094	0.4	3
38	Production scheduling with discrete and renewable additional resources. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012132	0.4	3

37	Simulation model of robotic manufacturing line		3
36	Predictive Maintenance Scheduling with Failure Rate Described by Truncated Normal Distribution. *Sensors*, **2020**, 20,	3.8	3
35	Multi-criteria evaluation methods in the production scheduling. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 022019	0.4	3
34	The initial considerations and tests on the use of real time locating system in manufacturing processes improvement. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 042013	0.4	3
33	The influence of algorithms for basic-schedule generation on the performance of predictive and reactive schedules. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 022042	0.4	3
32	An attempt of CNC machining cycles application as a tool of the design feature library elaboration. *MATEC Web of Conferences*, **2017**, 112, 06019	0.3	2
31	A survey on methods of design features identification. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012120	0.4	2
30	The role of the production scheduling system in rescheduling. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012140	0.4	2
29	On Departure Process in a Production Model with Cyclic Working and Repair Periods. *Advanced Materials Research*, **2014**, 1036, 846-851	0.5	2
28	On Effect of Model Parameters on Departure Process in a Production System with Failures. *Advanced Materials Research*, **2014**, 1036, 927-932	0.5	2
27	Searching for a Method of Basic Schedules Generation Which Influences Over the Performance of Predictive and Reactive Schedules. *Advances in Intelligent Systems and Computing*, **2017**, 233-242	0.4	2
26	Application of case-based reasoning for machining parameters selection. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 042011	0.4	2
25	Application of Blockchain Technology in Production Scheduling and Management of Human Resources Competencies.. *Sensors*, **2022**, 22,	3.8	2
24	A Predictive Approach for Disassembly Line Balancing Problems. *Sensors*, **2022**, 22, 3920	3.8	2
23	Scheduling of an assembly process of a chosen technical mean using the critical chain approach. *MATEC Web of Conferences*, **2017**, 94, 06015	0.3	1
22	Algorithms of control parameters selection for automation of FDM 3D printing process. *MATEC Web of Conferences*, **2017**, 112, 05011	0.3	1
21	On the Quality of Basic Schedules Influencing over the Performance of Predictive and Reactive Schedules. *Advances in Intelligent Systems and Computing*, **2017**, 243-253	0.4	1
20	Distribution of time to buffer overflow in a finite-buffer manufacturing model with unreliable machine. *MATEC Web of Conferences*, **2017**, 112, 05005	0.3	1

19	Ant colony optimisation for scheduling of flexible job shop with multi-resources requirements. *MATEC Web of Conferences*, **2017**, 112, 06018	0.3	1
18	A method of computer aided design with self-generative models in NX Siemens environment. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012123	0.4	1
17	Scheduling Schemes Based on Searching the Aggregated Graph of Operations Planning Sequence. *Applied Mechanics and Materials*, **2015**, 809-810, 1462-1467	0.3	1
16	Assessment of Production Capacity and Ability of Rapid Response to Changing Customer Expectations. *Applied Mechanics and Materials*, **2015**, 809-810, 1378-1383	0.3	1
15	An Attempt to Application of Chain Codes for Design Similarity Evaluation. *Advanced Materials Research*, **2014**, 1036, 897-902	0.5	1
14	Analysis of Energy Efficient Scheduling of the Manufacturing Line with Finite Buffer Capacity and Machine Setup and Shutdown Times. *Energies*, **2021**, 14, 7446	3.1	1
13	Model of Production System Evaluation with the Influence of FDM Machine Reliability and Process-Dependent Product Quality. *Materials*, **2021**, 14,	3.5	1
12	Robustness of Schedules Obtained Using the Tabu Search Algorithm Based on the Average Slack Method. *Advances in Intelligent Systems and Computing*, **2017**, 426-434	0.4	0
11	A computer simulation as a tool for a production system analysis and optimization. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 022033	0.4	0
10	The comparison of predictive scheduling algorithms for different sizes of job shop scheduling problems. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 042019	0.4	
9	Application of the Hybrid - Multi Objective Immune Algorithm for Obtaining the Robustness of Schedules. *Advances in Intelligent Systems and Computing*, **2017**, 445-453	0.4	
8	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*, **2015**, 809-810, 1438-1443	0.3	
7	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. *Applied Mechanics and Materials*, **2015**, 791, 342-349	0.3	
6	Designing Complex Technical Means Using the Integrative Approach for Construction Optimization. *Applied Mechanics and Materials*, **2015**, 791, 350-355	0.3	
5	A Methodology of CAPP/CAP Systems Integration Based on a Product Intermediate State Representation. *Advanced Materials Research*, **2014**, 1036, 915-920	0.5	
4	The design optimisation of the self-locking moving device using CAD software. *IOP Conference Series: Materials Science and Engineering*, 400, 022034	0.4	
3	Production orders planning using additional backward pass scheduling approach. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 062015	0.4	
2	Schedule generation schemes for flexible manufacturing systems with additional resources. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 062016	0.4	

1   The Kanban system for the assembly process of the model of a forklift. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 022043   0.4

1   The Kanban system for the assembly process of the model of a forklift. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 022043   0.4