

Peter Trebuna

List of Publications by Year in descending order

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54
papers

338
citations

840776

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g-index

56
all docs

56
docs citations

56
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Value Stream Mapping Using the Tecnomatix Plant Simulation Software. International Journal of Simulation Modelling, 2019, 18, 19-32.	1.3	39
2	Failure analysis of mechanical elements in steelworks equipment by methods of experimental mechanics. Engineering Failure Analysis, 2010, 17, 787-801.	4.0	24
3	Application of EXTENDSIM for Improvement of Production Logistics' Efficiency. International Journal of Simulation Modelling, 2017, 16, 422-434.	1.3	24
4	Material Flow Optimization through E-Kanban System Simulation. International Journal of Simulation Modelling, 2020, 19, 243-254.	1.3	19
5	Production Efficiency Evaluation and Products' Quality Improvement Using Simulation. International Journal of Simulation Modelling, 2020, 19, 470-481.	1.3	19
6	Solution of Bottlenecks in the Logistics Flow by Applying the Kanban Module in the Tecnomatix Plant Simulation Software. Sustainability, 2021, 13, 7989.	3.2	18
7	Experimental Modelling of the Cluster Analysis Processes. Procedia Engineering, 2012, 48, 673-678.	1.2	16
8	Creation of Simulation Model of Expansion of Production in Manufacturing Companies. Procedia Engineering, 2014, 96, 477-482.	1.2	16
9	DIGITALIZATION EFFECTS ON THE USABILITY OF LEAN TOOLS. Acta Logistica, 2019, 6, 9-13.	0.6	15
10	Analysis of crack initiation in the press frame and innovation of the frame to ensure its further operation. Engineering Failure Analysis, 2011, 18, 244-255.	4.0	14
11	The importance of normalization and standardization in the process of clustering. , 2014, , .		13
12	Sizing and Topology Optimization of Trusses Using Genetic Algorithm. Materials, 2021, 14, 715.	2.9	13
13	Identification of causes of radial fan failure. Engineering Failure Analysis, 2009, 16, 2054-2065.	4.0	12
14	Case Study of Modelling the Logistics Chain in Production. Procedia Engineering, 2014, 96, 355-361.	1.2	12
15	Application of TestBed 4.0 Technology within the Implementation of Industry 4.0 in Teaching Methods of Industrial Engineering as Well as Industrial Practice. Sustainability, 2021, 13, 8963.	3.2	11
16	Using Computer Simulation Method to Improve Throughput of Production Systems by Buffers and Workers Allocation. Management and Production Engineering Review, 2015, 6, 60-69.	1.4	10
17	A study of structural and wear properties of PACVD deposited a€H thin films for application as protective layers on Al alloys. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2271-2277.	1.8	7
18	The Impact of the Availability of Resources, the Allocation of Buffers and Number of Workers on the Effectiveness of an Assembly Manufacturing System. Management and Production Engineering Review, 2017, 8, 40-49.	1.4	6

#	ARTICLE	IF	CITATIONS
19	Methodology of the Creation of Human and Robot Operation in the Tecnomatix Process Simulate. <i>Procedia Engineering</i> , 2014, 96, 483-488.	1.2	5
20	Simulation of the process for production of plastics films as a way to increase the competitiveness of the company. <i>Przemysl Chemiczny</i> , 2016, 1, 39-43.	0.0	5
21	The Study of Selected Properties of Ti EB PVD Coating Deposited Onto Inner Tube Surface at Low Temperature. <i>Archives of Metallurgy and Materials</i> , 2016, 61, 67-74.	0.6	3
22	Wheeled mobile robot in structured environment. , 2018, , .		3
23	Properties of Heat and Mass Transfer Processes in the Tubular Grids with the Heat Exchanger as a Stabilizer. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 795-804.	0.4	3
24	DIGITALISATION IMPORTANCE AND INFLUENCE ON THE COMPETITIVENESS OF INDUSTRIAL ENTERPRISES IN THE TIME OF THE COVID-19 PANDEMIC. <i>Polish Journal of Management Studies</i> , 2021, 24, 370-385.	0.9	3
25	Analysis of possible causes of cracks initiation on barking drum. <i>Engineering Failure Analysis</i> , 2014, 45, 106-117.	4.0	2
26	The simulation model of the material flow of municipal waste recovery Numeryczny model materiałowego przepływu procesu odzysku odpadów komunalnych. <i>Przemysl Chemiczny</i> , 2016, 1, 95-99.	0.0	2
27	Modeling the process for incineration of municipal waste Modelowanie procesu spielania odpadów komunalnych. <i>Przemysl Chemiczny</i> , 2015, 1, 50-54.	0.0	2
28	Evaluating the Replacement of Galvanic Cr Coatings. <i>Polish Journal of Environmental Studies</i> , 2018, 27, 1289-1296.	1.2	2
29	The Application of Software Tecnomatix Jack for Design the Ergonomics Solutions. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 325-336.	0.6	2
30	TRANSFORMATION THE LOGISTICS TO DIGITAL LOGISTICS: THEORETICAL APPROACH. <i>Acta Logistica</i> , 2020, 7, 217-223.	0.6	2
31	Case Study: 3D Modelling and Printing of a Plastic Respirator in Laboratory Conditions. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 96.	2.5	2
32	APP Method of Production Scheduling. <i>Procedia Engineering</i> , 2012, 48, 679-683.	1.2	1
33	Methodology for Classification of Material Items by Analysis ABC/XYZ and the Creation of the Material Portfolio. <i>Applied Mechanics and Materials</i> , 2014, 611, 358-365.	0.2	1
34	Optimization and Elimination of Bottlenecks in the Production Process of a Selected Company. <i>Applied Mechanics and Materials</i> , 2014, 611, 370-375.	0.2	1
35	Production Structure Reconfiguration Based on Cluster Analysis of Production Objects. <i>Applied Mechanics and Materials</i> , 2014, 611, 395-399.	0.2	1
36	The Proposal of Stock Items Reconfiguration on the Basis of Cluster Analysis Results. <i>Procedia Engineering</i> , 2014, 96, 143-147.	1.2	1

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37	Asbestos exposure and minimization of risks at its disposal by applying the principles of logistics NaraÅ¼enie na dziaÅ¼anie azbestu i minimalizacja ryzyka zwiÄzanego z usuwaniem azbestu poprzez wykorzystanie zasad logistyki. Przemysl Chemiczny, 2016, 1, 89-96.	0.0	1
38	MODELLING OF ELECTRONIC KANBAN SYSTEM BY USING OF ENTITY RELATIONSHIP DIAGRAMS. Acta Logistica, 2019, 6, 63-66.	0.6	1
39	Model for Optimizing the Ratios of the Company Suppliers in Slovak Automotive Industry. Sustainability, 2021, 13, 11597.	3.2	1
40	Testing the Replenishment Model Strategy Using Software Tecnomatix Plant Simulation. EAI/Springer Innovations in Communication and Computing, 2020, , 103-110.	1.1	1
41	Modelling and Projecting of Disassembly Processes. Procedia Engineering, 2012, 48, 557-561.	1.2	0
42	The Characterisation of the Device for EB PVD Deposition of Thin Coatings. Procedia Engineering, 2014, 96, 242-251.	1.2	0
43	Innovation of Scavenging System to Increase Volumetric Efficiency of Internal Combustion Engines. Applied Mechanics and Materials, 0, 611, 536-543.	0.2	0
44	Improvement of Production Process Parameters on the Surface Treatment Line by using TX Plant Simulation Software Tool. , 2019, , .		0
45	Petri nets as a tool for production streamlining in plastics processing Sieci Petriego jako narzÄdzie intensyfikacji produkcji w przetwÅrstwie tworzyw sztucznych. Przemysl Chemiczny, 2015, 1, 171-174.	0.0	0
46	Design of colored Petri net models for streamlining of chemical production Konstrukcja modeli barwnych sieci Petriego w celu intensyfikacji produkcji chemicznej. Przemysl Chemiczny, 2016, 1, 54-57.	0.0	0
47	Logistics and chemical technology as effective means for the collection and treatment of biodegradable wastes Logistyka i technologia chemiczna jako skuteczne ÅrodkÄ gromadzenia i przerobu biodegradowalnych odpadÅw. Przemysl Chemiczny, 2016, 1, 127-131.	0.0	0
48	Model of Application of Cluster Analysis in Storage Area Designing. Advances in Intelligent Systems and Computing, 2019, , 225-233.	0.6	0
49	TX Process Simulate as a means to increase production in the enterprise for the production U-profiles. , 2019, , .		0
50	SURFACE TREATMENT OF STEEL AND VERIFICATION THE PRODUCTION LINE, WHICH IS HANDLED HELP BY SIMULATION. , 2019, , .		0
51	Application of simulation tools in the process of casting and processing of aluminium castings. , 2019, , .		0
52	OPTIMIZATION OF TECHNOLOGICAL JIGS FLOW IN AUTOMOTIVE USING SOFTWARE MODULE TECNOMATIX PLANT SIMULATION. Acta Logistica, 2020, 7, 111-120.	0.6	0
53	Inventory Replenishment Strategy Proposals Using a Software Tool Tecnomatix Plant Simulation. EAI/Springer Innovations in Communication and Computing, 2020, , 293-301.	1.1	0
54	Innovation of the Production Line in the Enterprise with the Help of Module TX Process Simulate. EAI/Springer Innovations in Communication and Computing, 2020, , 303-310.	1.1	0