

Peter Trebuna

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8936443/publications.pdf>

Version: 2024-02-01

54
papers

338
citations

840776

11
h-index

940533

16
g-index

56
all docs

56
docs citations

56
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Case Study: 3D Modelling and Printing of a Plastic Respirator in Laboratory Conditions. Applied Sciences (Switzerland), 2022, 12, 96.	2.5	2
2	Sizing and Topology Optimization of Trusses Using Genetic Algorithm. Materials, 2021, 14, 715.	2.9	13
3	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
4	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
5	Model for Optimizing the Ratios of the Company Suppliers in Slovak Automotive Industry. Sustainability, 2021, 13, 11597.	3.2	1
6	DIGITALISATION IMPORTANCE AND INFLUENCE ON THE COMPETITIVENESS OF INDUSTRIAL ENTERPRISES IN THE TIME OF THE COVID-19 PANDEMIC. Polish Journal of Management Studies, 2021, 24, 370-385.	0.9	3
7	Properties of Heat and Mass Transfer Processes in the Tubular Grids with the Heat Exchanger as a Stabilizer. Lecture Notes in Mechanical Engineering, 2020, , 795-804.	0.4	3
8	Material Flow Optimization through E-Kanban System Simulation. International Journal of Simulation Modelling, 2020, 19, 243-254.	1.3	19
9	Production Efficiency Evaluation and Products' Quality Improvement Using Simulation. International Journal of Simulation Modelling, 2020, 19, 470-481.	1.3	19
10	Testing the Replenishment Model Strategy Using Software Tecnomatix Plant Simulation. EAI/Springer Innovations in Communication and Computing, 2020, , 103-110.	1.1	1
11	OPTIMIZATION OF TECHNOLOGICAL JIGS FLOW IN AUTOMOTIVE USING SOFTWARE MODULE TECNOMATIX PLANT SIMULATION. Acta Logistica, 2020, 7, 111-120.	0.6	0
12	Inventory Replenishment Strategy Proposals Using a Software Tool Tecnomatix Plant Simulation. EAI/Springer Innovations in Communication and Computing, 2020, , 293-301.	1.1	0
13	TRANSFORMATION THE LOGISTICS TO DIGITAL LOGISTICS: THEORETICAL APPROACH. Acta Logistica, 2020, 7, 217-223.	0.6	2
14	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
15	Improvement of Production Process Parameters on the Surface Treatment Line by using TX Plant Simulation Software Tool. , 2019, , .		0
16	DIGITALIZATION EFFECTS ON THE USABILITY OF LEAN TOOLS. Acta Logistica, 2019, 6, 9-13.	0.6	15
17	MODELLING OF ELECTRONIC KANBAN SYSTEM BY USING OF ENTITY RELATIONSHIP DIAGRAMS. Acta Logistica, 2019, 6, 63-66.	0.6	1
18	Digital Value Stream Mapping Using the Tecnomatix Plant Simulation Software. International Journal of Simulation Modelling, 2019, 18, 19-32.	1.3	39

#	ARTICLE	IF	CITATIONS
19	The Application of Software Tecnomatix Jack for Design the Ergonomics Solutions. Advances in Intelligent Systems and Computing, 2019, , 325-336.	0.6	2
20	Model of Application of Cluster Analysis in Storage Area Designing. Advances in Intelligent Systems and Computing, 2019, , 225-233.	0.6	0
21	TX Process Simulate as a means to increase production in the enterprise for the production U-profiles. , 2019, , .		0
22	SURFACE TREATMENT OF STEEL AND VERIFICATION THE PRODUCTION LINE, WHICH IS HANDLED HELP BY SIMULATION. , 2019, , .		0
23	Application of simulation tools in the process of casting and processing of aluminium castings. , 2019, , .		0
24	Wheeled mobile robot in structured environment. , 2018, , .		3
25	Evaluating the Replacement of Galvanic Cr Coatings. Polish Journal of Environmental Studies, 2018, 27, 1289-1296.	1.2	2
26	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
27	Application of EXTENDSIM for Improvement of Production Logistics' Efficiency. International Journal of Simulation Modelling, 2017, 16, 422-434.	1.3	24
28	The Study of Selected Properties of Ti EB PVD Coating Deposited Onto Inner Tube Surface at Low Temperature. Archives of Metallurgy and Materials, 2016, 61, 67-74.	0.6	3
29	The simulation model of the material flow of municipal waste recovery Numeryczny model materiałowego przepływu procesu odzysku odpadów komunalnych. Przemysł Chemiczny, 2016, 1, 95-99.	0.0	2
30	Asbestos exposure and minimization of risks at its disposal by applying the principles of logistics Narażenie na działanie azbestu i minimalizacja ryzyka związanego z usuwaniem azbestu poprzez wykorzystanie zasad logistyki. Przemysł Chemiczny, 2016, 1, 89-96.	0.0	1
31	Simulation of the process for production of plastics films as a way to increase the competitiveness of the company. Przemysł Chemiczny, 2016, 1, 39-43.	0.0	5
32	Design of colored Petri net models for streamlining of chemical production Konstrukcja modeli barwnych sieci Petriego w celu intensyfikacji produkcji chemicznej. Przemysł Chemiczny, 2016, 1, 54-57.	0.0	0
33	Logistics and chemical technology as effective means for the collection and treatment of biodegradable wastes Logistyka i technologia chemiczna jako skuteczne środki gromadzenia i przerobu biodegradowalnych odpadów. Przemysł Chemiczny, 2016, 1, 127-131.	0.0	0
34	A study of structural and wear properties of PACVD deposited a-C: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
35	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
36	Modeling the process for incineration of municipal waste Modelowanie procesu spopielenia odpadów komunalnych. Przemysł Chemiczny, 2015, 1, 50-54.	0.0	2

#	ARTICLE	IF	CITATIONS
37	Petri nets as a tool for production streamlining in plastics processing Sieci Petriego jako narzędzie intensyfikacji produkcji w przetwórstwie tworzyw sztucznych. Przemysł Chemiczny, 2015, 1, 171-174.	0.0	0
38	The Characterisation of the Device for EB PVD Deposition of Thin Coatings. Procedia Engineering, 2014, 96, 242-251.	1.2	0
39	Case Study of Modelling the Logistics Chain in Production. Procedia Engineering, 2014, 96, 355-361.	1.2	12
40	Methodology for Classification of Material Items by Analysis ABC/XYZ and the Creation of the Material Portfolio. Applied Mechanics and Materials, 2014, 611, 358-365.	0.2	1
41	Optimization and Elimination of Bottlenecks in the Production Process of a Selected Company. Applied Mechanics and Materials, 2014, 611, 370-375.	0.2	1
42	Production Structure Reconfiguration Based on Cluster Analysis of Production Objects. Applied Mechanics and Materials, 2014, 611, 395-399.	0.2	1
43	The Proposal of Stock Items Reconfiguration on the Basis of Cluster Analysis Results. Procedia Engineering, 2014, 96, 143-147.	1.2	1
44	The importance of normalization and standardization in the process of clustering. , 2014, , .		13
45	Analysis of possible causes of cracks initiation on barking drum. Engineering Failure Analysis, 2014, 45, 106-117.	4.0	2
46	Methodology of the Creation of Human and Robot Operation in the Tecnomatix Process Simulate. Procedia Engineering, 2014, 96, 483-488.	1.2	5
47	Creation of Simulation Model of Expansion of Production in Manufacturing Companies. Procedia Engineering, 2014, 96, 477-482.	1.2	16
48	Modelling and Projecting of Disassembly Processes. Procedia Engineering, 2012, 48, 557-561.	1.2	0
49	Experimental Modelling of the Cluster Analysis Processes. Procedia Engineering, 2012, 48, 673-678.	1.2	16
50	APP Method of Production Scheduling. Procedia Engineering, 2012, 48, 679-683.	1.2	1
51	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
52	Failure analysis of mechanical elements in steelworks equipment by methods of experimental mechanics. Engineering Failure Analysis, 2010, 17, 787-801.	4.0	24
53	Identification of causes of radial fan failure. Engineering Failure Analysis, 2009, 16, 2054-2065.	4.0	12
54	Innovation of Scavenging System to Increase Volumetric Efficiency of Internal Combustion Engines. Applied Mechanics and Materials, 0, 611, 536-543.	0.2	0