Nadia Belu

List of Publications by Year
in descending order

		1937685	1720034
32 papers	72 citations	4 h-index	7 g-index
33 all docs	33 docs citations	33 times ranked	70 citing authors

#	Article	IF	Citations
1	Reducing the Cost of Electricity by Optimizing Real-Time Consumer Planning Using a New Genetic Algorithm-Based Strategy. Mathematics, 2020, 8, 1144.	2.2	11
2	A Matlab Neural Network Application for the Study of Working Conditions. Advanced Materials Research, 2013, 837, 310-315.	0.3	8
3	Application of Fuzzy Logic in Design Failure Mode and Effects Analysis. Applied Mechanics and Materials, 2013, 371, 832-836.	0.2	6
4	Improvement of Process Failure Mode and Effects Analysis Using Fuzzy Logic. Applied Mechanics and Materials, 0, 371, 822-826.	0.2	5
5	Poka Yoke system based on image analysis and object recognition. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012138.	0.6	5
6	Comparative Analysis of Awareness and Knowledge of APQP Requirements in Polish and Romanian Automotive Industry. Applied Mechanics and Materials, 2014, 657, 981-985.	0.2	4
7	Pests detection system for agricultural crops using intelligent image analysis. , 2019, , .		4
8	An improved method for risk evaluation in failure modes and effects analysis of CNC lathe. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012139.	0.6	3
9	Kanban system based on manufacturing equipment operation monitoring. IOP Conference Series: Materials Science and Engineering, 0, 400, 062005.	0.6	3
10	Contributions to Ranking an Ergonomic Workstation, Considering the Human Effort and the Microclimate Parameters, Using Neural Networks. Applied Mechanics and Materials, 0, 371, 812-816.	0.2	2
11	Fuzzy Failure Mode and Effect Analysis Application to Improve Laser Cutting Process. Advanced Materials Research, 2014, 1036, 280-285.	0.3	2
12	Evaluating the Risk of Failure on Injection Pump Using Fuzzy FMEA Method. Applied Mechanics and Materials, 0, 657, 976-980.	0.2	2
13	Improvement of the customer satisfaction through Quality Assurance Matrix and QC-Story methods: A case study from automotive industry. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012045.	0.6	2
14	An application of Six Sigma to PPM reduction in the relationship with the external customer. IOP Conference Series: Materials Science and Engineering, 2018, 400, 062006.	0.6	2
15	Intelligent monitoring and planning system for herbicidal processes in agricultural crops. , 2018, , .		2
16	Risk-cost model for FMEA approach through Genetic algorithms â€" A case study in automotive industry. IOP Conference Series: Materials Science and Engineering, 2019, 564, 012102.	0.6	2
17	An approach with genetic algorithms to improve the workstation space planning. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012002.	0.6	2
18	Interface for Data Protection and Integrity in IoT Equipment for Industry. IOP Conference Series: Materials Science and Engineering, 2020, 916, 012009.	0.6	2

#	Article	IF	Citations
19	Failure Mode and Effects Analysis on Control Equipment Using Fuzzy Theory. Advanced Materials Research, 0, 837, 16-21.	0.3	1
20	An analysis of the benefits of ethnography design methods for product modelling. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042023.	0.6	1
21	Current consumption monitoring and analysis system for energy management improvement in an industrial complex. , 2017, , .		1
22	Using the decisions theory for establishing the site of a new manufacturing sector. IOP Conference Series: Materials Science and Engineering, 2018, 400, 062025.	0.6	1
23	Contributions to Predict the Malfunction Probability of the Human-Machine-Environment System, Using Artificial Neural Networks. Applied Mechanics and Materials, 2015, 760, 771-776.	0.2	0
24	Model of areas for identifying risks influencing the compliance of technological processes and products. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042003.	0.6	0
25	Real time system for extraction and playback of an instrumental sound. , 2016, , .		0
26	Monitoring of manufacturing processes in the automotive industry using indoor location system. IOP Conference Series: Materials Science and Engineering, 2016, 145, 022020.	0.6	0
27	Key Characteristics of the World Class Manufacturing Concept in the Production of Chassis for Buses Industry. , 2017, , 585-591.		0
28	Intelligent system for determining the consumer profile and generate alarm in case of significant deviations from the profile. , 2017, , .		0
29	Non-invasive system for monitoring of the manufacturing equipment. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012078.	0.6	0
30	Study of iterations in the design process of a product for automotive industry. MATEC Web of Conferences, 2017, 112, 09011.	0.2	0
31	Field Programmable Gates Array implementation of quantum computation structures. , 2018, , .		0
32	Quality Assurance Matrix as the advanced generation of quality control. , 2016, , .		0