Katarzyna Antosz

List of Publications by Year
in descending order

40 papers	510 citations	687363 13 h-index	713466 21 g-index
47 all docs	47 docs citations	47 times ranked	353 citing authors

#	Article	IF	Citations
1	Application of MICMAC, Fuzzy AHP, and Fuzzy TOPSIS for Evaluation of the Maintenance Factors Affecting Sustainable Manufacturing. Energies, 2021, 14, 1436.	3.1	47
2	Lean Philosophy Implementation in SMEs â€" Study Results. Procedia Engineering, 2017, 182, 25-32.	1.2	46
3	Development of a Risk Matrix and Extending the Risk-based Maintenance Analysis with Fuzzy Logic. Procedia Engineering, 2017, 182, 602-610.	1.2	44
4	Maintenance â€" identification and analysis of the competency gap. Eksploatacja I Niezawodnosc, 2018, 20, 484-494.	2.0	41
5	The Use of Artificial Intelligence Methods to Assess the Effectiveness of Lean Maintenance Concept Implementation in Manufacturing Enterprises. Applied Sciences (Switzerland), 2020, 10, 7922.	2.5	35
6	Development of an empirical formula for machine classification: Prioritization of maintenance tasks. Safety Science, 2014, 63, 34-41.	4.9	27
7	The Use of Intelligent Systems to Support the Decision-Making Process in Lean Maintenance Management. IFAC-PapersOnLine, 2019, 52, 148-153.	0.9	24
8	Framework of machine criticality assessment with criteria interactions. Eksploatacja I Niezawodnosc, 2021, 23, 207-220.	2.0	24
9	Spare partsâ€™ criticality assessment and prioritization for enhancing manufacturing systemsâ€™ availability and reliability. Journal of Manufacturing Systems, 2019, 50, 212-225.	13.9	23
10	Application of machine learning and rough set theory in lean maintenance decision support system development. Eksploatacja I Niezawodnosc, 2021, 23, 695-708.	2.0	20
11	Evaluation measures of machine operation effectiveness in large enterprises: study results. Eksploatacja I Niezawodnosc, 2015, 17, 107-117.	2.0	18
12	Integrating advanced measurement and signal processing for reliability decision-making. Eksploatacja I Niezawodnosc, 2021, 23, 777-787.	2.0	14
13	Classification of spare parts as the element of a proper realization of the machine maintenance process and logistics - case study. IFAC-PapersOnLine, 2016, 49, 1389-1393.	0.9	13
14	Risk-Based Maintenance Assessment in the Manufacturing Industry: Minimisation of Suboptimal Prioritisation. Management and Production Engineering Review, 2017, 8, 38-45.	1.4	13
15	Modelling the Influence of Slide Burnishing Parameters on the Surface Roughness of Shafts Made of 42CrMo4 Heat-Treatable Steel. Materials, 2021, 14, 1175.	2.9	13
16	Assessing the Barriers to Industry 4.0 Implementation From a Maintenance Management Perspective - Pilot Study Results. IFAC-PapersOnLine, 2022, 55, 223-228.	0.9	12
17	Machinery classification and prioritization: Empirical models and AHP based approach for effective preventive maintenance. , 2016, , .		11
18	Overall Equipment Effectiveness: Analysis of Different Ways of Calculations and Improvements. Lecture Notes in Mechanical Engineering, 2018, , 45-55.	0.4	9

#	Article	IF	Citations
19	A Systematic Simulation-Based Multi-Criteria Decision-Making Approach for the Evaluation of Semiâ€"Fully Flexible Machine System Process Parameters. Electronics (Switzerland), 2022, 11, 233.	3.1	6
20	Machining Process Time Series Data Analysis with a Decision Support Tool. Lecture Notes in Mechanical Engineering, 2022, , 14-27.	0.4	5
21	Possibilities of Maintenance Service Process Analyses and Improvement Through Six Sigma, Lean and Industry 4.0 Implementation. IFIP Advances in Information and Communication Technology, 2018, , 465-475.	0.7	5
22	Influence of Contamination of Gear Oils in Relation to Time of Operation on Their Lubricity. Applied Sciences (Switzerland), 2021, 11, 11835.	2.5	5
23	Locating Chart Choice Based on the Decision-Making Approach. Materials, 2022, 15, 3557.	2.9	5
24	Investigation of process approach implementation in manufacturing firms: A methodology for assessing process excellence level. , 2015, , .		4
25	Comparative Analysis of the Implementation of the SMED Method on Selected Production Stands. Tehnicki Vjesnik, 2018, 25, .	0.2	4
26	Deriving an empirical model for machinery prioritization: Mechanical systems maintenance. , 2013, , .		3
27	Development of a risk matrix for the assessment of maintenance suppliers: A study based on empirical knowledge. IFAC-PapersOnLine, 2017, 50, 9026-9031.	0.9	3
28	Fatigue Reliability Analysis Method of Reactor Structure Considering Cumulative Effect of Irradiation. Materials, 2021, 14, 801.	2.9	3
29	Failure-based sealing reliability analysis considering dynamic interval and hybrid uncertainties. Eksploatacja I Niezawodnosc, 2021, 23, 278-284.	2.0	3
30	An Intelligent System Supporting a Forklifts Maintenance Process. Advances in Intelligent Systems and Computing, 2018, , 13-22.	0.6	3
31	Identification of the Critical Enablers for Perishable Food Supply Chain Using Deterministic Assessment Models. Applied Sciences (Switzerland), 2022, 12, 4503.	2.5	3
32	Industry 4.0 Technologies for Maintenance Management â€" An Overview. Lecture Notes in Mechanical Engineering, 2023, , 68-79.	0.4	3
33	Use of lean management philosophy in health sector: A VSM based case study. , 2016, , .		2
34	An Intelligent System Supporting a Maintenance Process of Specialised Medical Equipment. Advances in Intelligent Systems and Computing, 2018, , 23-32.	0.6	2
35	Systems Engineering: Availability and Reliability. Applied Sciences (Switzerland), 2022, 12, 2504.	2.5	2
36	Modelling of the Effect of Slide Burnishing on the Surface Roughness of 42CrMo4 Steel Shafts. Lecture Notes in Mechanical Engineering, 2021, , 415-424.	0.4	1

#	Article	IF	Citations
37	Forecasting the Mountability Level of a Robotized Assembly Station. Advances in Intelligent Systems and Computing, 2019, , 175-184.	0.6	1
38	Intelligent Predictive Decision Support System for the Maintenance Service Provider. Lecture Notes in Mechanical Engineering, 2021, , 3-13.	0.4	0
39	Safena and QBPM. , 2011, , .		0
40	Predicting the Error of a Robotâ€™s Positioning Repeatability with Artificial Neural Networks. Advances in Intelligent Systems and Computing, 2020, , 41-48.	0.6	0