

List of Publications by Year in descending order

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papers

888
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86
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86
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated approach to optimise parameter design of multi-response processes based on Taguchi method and artificial intelligence. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 1511-1528.	7.3	107
2	An integrated simulated annealing-based method for robust multiresponse process optimisation. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 59, 1227-1244.	3.0	66
3	Multi-response design of Nd:YAG laser drilling of Ni-based superalloy sheets using Taguchi's quality loss function, multivariate statistical methods and artificial intelligence. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 54, 537-552.	3.0	55
4	Towards an intelligent approach for CMM inspection planning of prismatic parts. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 92, 326-339.	5.0	55
5	Reverse engineering of human bones by using method of anatomical features. <i>CIRP Annals - Manufacturing Technology</i> , 2013, 62, 167-170.	3.6	37
6	Ants Colony Optimisation of a Measuring Path of Prismatic Parts on a CMM. <i>Metrology and Measurement Systems</i> , 2016, 23, 119-132.	1.4	29
7	10.5937/fmet1403249s = Developing engineering ontology for domain coordinate metrology. <i>FME Transactions</i> , 2014, 42, 249-255.	1.4	28
8	Multi-response optimisation of thermosonic copper wire-bonding process with correlated responses. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 42, 363-371.	3.0	25
9	An intelligent approach to robust multi-response process design. <i>International Journal of Production Research</i> , 2011, 49, 5079-5097.	7.5	25
10	Cyber-Physical Manufacturing Metrology Model (CPM 3) for Sculptured Surfaces – Turbine Blade Application. <i>Procedia CIRP</i> , 2017, 63, 658-663.	1.9	25
11	Modelling and optimisation of laser shock peening using an integrated simulated annealing-based method. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 1141-1158.	3.0	23
12	The Effect of Industry 4.0 Concepts and E-learning on Manufacturing Firm Performance: Evidence from Transitional Economy. <i>IFIP Advances in Information and Communication Technology</i> , 2017, , 298-305.	0.7	22
13	Innovative Methods for Small Mixed Batches Production System Improvement: The Case of a Bakery Machine Manufacturer. <i>Sustainability</i> , 2020, 12, 6266.	3.2	22
14	Model developed for the assessment of quality management level in manufacturing systems. <i>The TQM Journal</i> , 2006, 18, 410-423.	0.8	21
15	Expert systems for diagnosis and maintenance: The state-of-the-art. <i>Computers in Industry</i> , 1990, 15, 43-68.	9.9	17
16	An approach to TQM evaluation in pharma business. <i>TQM Journal</i> , 2016, 28, 745-759.	3.3	17
17	Advanced Multiresponse Process Optimisation. , 2016, , .		15
18	CAI Model for Prismatic Parts in Digital Manufacturing. <i>Procedia CIRP</i> , 2014, 25, 27-32.	1.9	14

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19	Reverse Engineering of Turbine Blades Kaplan's type for Small Hydroelectric Power Station. Procedia CIRP, 2018, 75, 379-384.	1.9	14
20	Development of a knowledge base for the planning of prismatic parts inspection on CMM. Acta IMEKO (2012), 2015, 4, 10.	0.7	14
21	Industry 4.0 Programs Worldwide. Lecture Notes in Mechanical Engineering, 2019, , 78-99.	0.4	13
22	Multistage manufacturing process control robust to inaccurate knowledge about process noise. CIRP Annals - Manufacturing Technology, 2017, 66, 437-440.	3.6	13
23	From IMS and six sigma toward TQM: an empirical study from Serbia. TQM Journal, 2015, 27, 341-355.	3.3	12
24	Cyber-Physical Manufacturing Systems (CPMS). Lecture Notes in Mechanical Engineering, 2017, , 199-214.	0.4	11
25	Taguchi-Based and Intelligent Optimisation of a Multi-Response Process Using Historical Data. Strojniski Vestnik/Journal of Mechanical Engineering, 2011, 57, 357-365.	1.1	10
26	Cyber-Physical Manufacturing Metrology Model (CPM3) – Big Data Analytics Issue. Procedia CIRP, 2018, 72, 503-508.	1.9	9
27	Building of Internet of Things Model for Cyber-Physical Manufacturing Metrology Model (CPM3). Procedia CIRP, 2019, 81, 862-867.	1.9	9
28	Advanced Manufacturing Metrology in Context of Industry 4.0 Model. Lecture Notes in Mechanical Engineering, 2019, , 1-11.	0.4	9
29	The Measurement System Analysis as a Performance Improvement Catalyst:A Case Study. , 2010, , 269-292.		9
30	Expert systems for maintenance in the CIM concept. Computers in Industry, 1990, 15, 83-93.	9.9	8
31	Novel design approach for the creation of 3D geometrical model of personalized bone scaffold. CIRP Annals - Manufacturing Technology, 2018, 67, 177-180.	3.6	8
32	Cyber-Physical Manufacturing in Context of Industry 4.0 Model. Lecture Notes in Mechanical Engineering, 2018, , 227-238.	0.4	8
33	An Intelligent Inspection Planning System for Prismatic Parts on CMMs. , 2019, ,		8
34	The Development of Business Standardization and Integrated Management Systems. Journal of Medical Biochemistry, 2011, 30, 334-345.	1.7	7
35	Virtual Optimisation of CAI Process Parameters for the Sculptured Surface Inspection. Procedia CIRP, 2016, 57, 574-579.	1.9	7
36	How to Increase Share of Product-Related Services in Revenue? Strategy Towards Servitization. IFIP Advances in Information and Communication Technology, 2018, , 57-64.	0.7	7

#	ARTICLE	IF	CITATIONS
37	Toward a cyber-physical manufacturing metrology model for industry 4.0. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2021, 35, 20-36.	1.1	7
38	ERP in Industry 4.0 Context. IFIP Advances in Information and Communication Technology, 2020, , 287-294.	0.7	7
39	Optimization of AA5083 Friction Stir Welding Parameters Using Taguchi Method. Tehnicki Vjesnik, 2018, 25, .	0.2	6
40	Optimal cutting parameter specification of newly designed milling tools based on the frequency monitoring. International Journal of Advanced Manufacturing Technology, 2021, 115, 777-794.	3.0	6
41	Assessing Industry 4.0 Readiness in Manufacturing Companies from Serbia. Lecture Notes in Mechanical Engineering, 2020, , 69-79.	0.4	6
42	Digital Manufacturing as a basis for the development of the Industry 4.0 model. Procedia CIRP, 2021, 104, 1867-1872.	1.9	6
43	Quality Managersâ€™ Estimates of Quality Management Principles Application in Certified Organisations in Transitional Conditions - Is Serbia Close to TQM?. Strojniski Vestnik/Journal of Mechanical Engineering, 2011, 57, 851-861.	1.1	5
44	Robust model-based control of multistage manufacturing processes. CIRP Annals - Manufacturing Technology, 2019, 68, 479-482.	3.6	5
45	Risk Model for Integrated Management System. Tehnicki Vjesnik, 2019, 26, .	0.2	5
46	Development of a Coordinate Measuring Machineâ€™Based Inspection Planning System for Industry 4.0. Applied Sciences (Switzerland), 2021, 11, 8411.	2.5	5
47	Application of the Advanced Quality Improvement Techniques: Case Study. International Federation for Information Processing, 2012, , 181-189.	0.4	5
48	Organization of big metrology data within the Cyber-Physical Manufacturing Metrology Model (CPM3). CIRP Journal of Manufacturing Science and Technology, 2022, 36, 90-99.	4.5	5
49	Contribution to the development of a digital twin based on CMM to support the inspection process. Measurement: Sensors, 2022, 22, 100372.	1.7	5
50	Study of Cutting Tool Durability at a Short-Term Discontinuous Turning Test. Lecture Notes in Mechanical Engineering, 2019, , 493-501.	0.4	4
51	Recognition of one Class of Quadrics from 3D Point Clouds. Procedia CIRP, 2016, 57, 292-297.	1.9	3
52	Intelligent Optimization for Sculptured Surface CNC Tool-paths. Procedia CIRP, 2016, 55, 140-145.	1.9	2
53	Superficial Hardening in Orthogonal Cutting. Procedia CIRP, 2017, 62, 215-220.	1.9	2
54	An approach to development of the digital inspection twin based on CMM. Measurement: Sensors, 2021, 18, 100300.	1.7	2

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55	Exploring the Impact of Industry 4.0 Concepts on Energy and Environmental Management Systems: Evidence from Serbian Manufacturing Companies. IFIP Advances in Information and Communication Technology, 2019, , 355-362.	0.7	2
56	Learning in an expert system for maintenance in flexible manufacturing systems. Computers in Industry, 1991, 17, 279-285.	9.9	1
57	An Intelligent, Integrated, Problem-Independent Method for Multiresponse Process Optimisation. , 2016, , 65-164.		1
58	An Advanced CAI Model for Inspection Planning on CMM. Lecture Notes in Mechanical Engineering, 2017, , 57-65.	0.4	1
59	Accredited laboratory as the model for quality improvement in organization. Journal of Medical Biochemistry, 2006, 25, 1-9.	0.1	1
60	Method for Accuracy Assessment of the Length Measurement Unit of Laser Tracking Systems. Applied Sciences (Switzerland), 2021, 11, 9335.	2.5	1
61	Examination of scanner precision by analysing orthodontic parameters. Balkan Journal of Dental Medicine, 2017, 21, 32-43.	0.2	1
62	Industry 4.0 in Serbia: State of development. Serbian Journal of Management, 2022, 17, 5-14.	0.9	1
63	Report on the IFIP WG 5.3 working conference on diagnostics and preventive maintenance strategies in manufacturing systems. Computers in Industry, 1987, 9, 369-373.	9.9	0
64	IFIP TC 5/WG 5.3 working conference on computer integrated quality system in CIM systems. Computers in Industry, 1990, 14, 373-383.	9.9	0
65	Developing Knowledge Based System for Assessment of Business Excellence. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 285-290.	0.4	0
66	Discussion and Future Research. , 2016, , 261-283.		0
67	On Superficial Hardness in Complex Cutting Process. Procedia CIRP, 2017, 58, 590-595.	1.9	0
68	Data Driven Root Cause Analyses in Multistage Manufacturing Utilising Life Cycle Wide Product Information. Tehnicki Vjesnik, 2019, 26, .	0.2	0
69	Industry 4.0 and their application in medicine and dentistry, as well as the fight against the COVID-19 pandemic. Tehnika, 2021, 76, 509-520.	0.2	0
70	Impact analysis of the implemented quality management system on business performances in pharmaceutical-chemical industry in Serbia. Hemijska Industrija, 2013, 67, 535-546.	0.7	0
71	Quality Improvement Using Taguchi's Model: " A Casy Study from Serbia. Economics and Business, 2014, 24, 94.	0.5	0
72	Experiment, Results and Concluding Remarks. , 2019, , 115-139.		0

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73	Ontological Knowledge Base for Integrating Geometry and Tolerance of PMPs. , 2019, , 33-54.		0
74	The Model of Probe Configuration and Setup Planning for Inspection of PMPs Based on GA. , 2019, , 75-93.		0
75	An Approach of Development Smart Manufacturing Metrology Model as Support Industry 4.0. Lecture Notes in Mechanical Engineering, 2020, , 190-204.	0.4	0