

Adam Hamrol

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

667
citations

566801

15
h-index

610482

24
g-index

44
all docs

44
docs citations

44
times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Virtual Reality Techniques in Design of Ergonomic Manufacturing Workplaces. <i>Procedia Computer Science</i> , 2013, 25, 289-301.	1.2	77
2	Turning and grinding as a source of microstructural changes in the surface layer of hardened steel. <i>Journal of Materials Processing Technology</i> , 2003, 133, 21-25.	3.1	63
3	Immersive and Haptic Educational Simulations of Assembly Workplace Conditions. <i>Procedia Computer Science</i> , 2015, 75, 359-368.	1.2	48
4	Excellence toolbox: Decision support system for quality tools and techniques selection and application. <i>Total Quality Management and Business Excellence</i> , 2013, 24, 577-595.	2.4	43
5	Virtual 3D Atlas of a Human Body – Development of an Educational Medical Software Application. <i>Procedia Computer Science</i> , 2013, 25, 302-314.	1.2	35
6	Impact of selected work condition factors on quality of manual assembly process. <i>Human Factors and Ergonomics in Manufacturing</i> , 2011, 21, 156-163.	1.4	34
7	Effective Design of Educational Virtual Reality Applications for Medicine using Knowledge-Engineering Techniques. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2016, 13, .	0.7	32
8	Immersive City Bus Configuration System for Marketing and Sales Education. <i>Procedia Computer Science</i> , 2015, 75, 137-146.	1.2	31
9	Information quality in design process documentation of quality management systems. <i>International Journal of Information Management</i> , 2016, 36, 599-606.	10.5	31
10	Process diagnostics as a means of improving the efficiency of quality control. <i>Production Planning and Control</i> , 2000, 11, 797-805.	5.8	22
11	ABS filament moisture compensation possibilities in the FDM process. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021, 35, 550-559.	2.3	19
12	Application of agent technology for recycling-oriented product assessment. <i>Industrial Management and Data Systems</i> , 2013, 113, 817-839.	2.2	17
13	Computation of Mechanical Properties of Parts Manufactured by Fused Deposition Modeling Using Finite Element Method. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 403-413.	0.5	16
14	Measurement System Analysis Combined with Shewhart's Approach. <i>Key Engineering Materials</i> , 0, 637, 7-11.	0.4	16
15	Production Leveling as an Effective Method for Production Flow Control – Experience of Polish Enterprises. <i>Procedia Engineering</i> , 2017, 182, 619-626.	1.2	16
16	Statistical Approach to Making Decisions in Manufacturing Process of Floorboard. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 499-508.	0.5	16
17	New Method for Assessment of Raters Agreement Based on Fuzzy Similarity. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 415-425.	0.5	16
18	Assessment of ductile iron casting process with the use of the DRSA method. <i>Journal of Mining and Metallurgy, Section B: Metallurgy</i> , 2016, 52, 25-34.	0.3	15

#	ARTICLE	IF	CITATIONS
19	Application of Professional and Low-cost Head Mounted Devices in Immersive Educational Application. <i>Procedia Computer Science</i> , 2015, 75, 173-181.	1.2	14
20	The Use of Machine Learning Method in Concurrent Ecodesign of Products and Technological Processes. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 321-330.	0.3	12
21	Ecodesign of Technological Processes with the Use of Decision Trees Method. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 318-327.	0.5	10
22	Improvement of catheter quality inspection process. <i>MATEC Web of Conferences</i> , 2017, 121, 05002.	0.1	9
23	Mechanical properties of composite parts manufactured in FDM technology. <i>Rapid Prototyping Journal</i> , 2018, 24, 1281-1287.	1.6	9
24	Quality inspection planning within a multistage manufacturing process based on the added value criterion. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 1399-1412.	1.5	9
25	Design and Implementation of a Complex Virtual Reality System for Product Design with Active Participation of End User. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 31-43.	0.5	9
26	Analysis of the Conditions for Effective Use of Numerically Controlled Machine Tools. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 3-12.	0.3	7
27	Methodology Supporting the Planning of Machining Allowances in the Wood Industry. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 338-347.	0.5	6
28	Possibilities and Determinants of Using Low-Cost Devices in Virtual Education Applications. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2016, 13, .	0.7	5
29	Artificial Neural Networks as a Means for Making Process Control Charts User Friendly. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 168-178.	0.5	5
30	How political power and economic circumstances can influence pursuits of excellence in quality management: The Polish example. <i>Total Quality Management and Business Excellence</i> , 2011, 22, 619-640.	2.4	4
31	Application of Low-cost Tracking Systems in Educational Training Applications. <i>Procedia Computer Science</i> , 2015, 75, 398-407.	1.2	4
32	Automation and Digitization of the Material Selection Process for Ecodesign. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 523-532.	0.5	4
33	Low-cost VR system for interactive education of manual assembly procedure. <i>Interactive Learning Environments</i> , 2023, 31, 68-86.	4.4	2
34	Selection of Optimal Software for Immersive Virtual Reality Application of City Bus Configurator. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 480-489.	0.5	1
35	Possibilities and Limitations of Passive Experiments Conducted in Industrial Conditions. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 869-879.	0.3	1
36	Effectiveness of Automatic CAM Programming Using Machining Templates for the Manufacture of Special Production Tooling. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2021, 67, 475-488.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Study of Thickness Variability of the Floorboard Surface Layer. Studies in Systems, Decision and Control, 2019, , 107-125.	0.8	1
38	Computer Aided Data Acquisition and Analysis for Value Stream Mapping. Advances in Intelligent Systems and Computing, 2018, , 215-224.	0.5	0
39	Improvement of the Polyurethane Foam Molding by the DoE Method: Case Study. Lecture Notes in Mechanical Engineering, 2021, , 311-321.	0.3	0
40	Development and Studies on a Virtual Reality Configuration Tool for City Bus Driver Workplace. Advances in Intelligent Systems and Computing, 2017, , 469-479.	0.5	0
41	Assessment of adequacy of tools and measures applied by enterprises for production process improvement. Production and Manufacturing Research, 2020, 8, 388-405.	0.9	0