

JÃ¡n DuplÃ¡k

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Comprehensive Identification of Sintered Carbide Durability in Machining Process of Bearings Steel 100CrMn6. <i>Advanced Materials Research</i> , 0, 340, 30-33.	0.3	28
2	Analytical Expression of $T-v$ & C Dependence in Standard ISO 3685 for Cutting Ceramic. <i>Key Engineering Materials</i> , 0, 480-481, 317-322.	0.4	28
3	Determination of Optimal Production Process Using Scheduling and Simulation Software. <i>International Journal of Simulation Modelling</i> , 2018, 17, 609-622.	1.3	21
4	Analysis of Cutting Tools Durability Compared with Standard ISO 3685. <i>International Journal of Computer Theory and Engineering</i> , 2012, , 621-624.	3.4	20
5	Ergonomic rationalization of lighting in the working environment. Part I.: Proposal of rationalization algorithm for lighting redesign. <i>International Journal of Industrial Ergonomics</i> , 2019, 71, 92-102.	2.6	18
6	Illumination simulation of working environment during the testing of cutting materials durability. <i>Ain Shams Engineering Journal</i> , 2019, 10, 161-169.	6.1	17
7	Roller Bearings and Analytical Expression of Selected Cutting Tools Durability in Machining Process of Steel 80MoCrV4016. <i>Applied Mechanics and Materials</i> , 0, 415, 610-613.	0.2	16
8	New Experimental Expression of Durability Dependence for Ceramic Cutting Tool. <i>Applied Mechanics and Materials</i> , 0, 275-277, 2230-2236.	0.2	15
9	Study of Surface Roughness of Machined Polymer Composite Material. <i>International Journal of Polymer Science</i> , 2015, 2015, 1-6.	2.7	15
10	Comparison of Theory and Practice in Analytical Expression of Cutting Tools Durability for Potential Use at Manufacturing of Bearings. <i>Applied Mechanics and Materials</i> , 0, 616, 300-307.	0.2	12
11	Turning Bearing Rings and Determination of Selected Cutting Materials Durability. <i>Advanced Science Letters</i> , 2013, 19, 2486-2489.	0.2	12
12	Balance Equation - An Essential Element of the Definition of the Drying Process. <i>Advanced Materials Research</i> , 2013, 849, 310-315.	0.3	11
13	Comprehensive analysis and study of the machinability of a high strength aluminum alloy (EN) Tj ETQq1 1 0.784314 rgBT /Overlock 1077 13, 455-465.	1.2	11
14	Theory and Practice in the Process of $T-v$ Dependence Creation for Selected Cutting Material. <i>Advanced Materials Research</i> , 2013, 716, 261-265.	0.3	10
15	Comprehensive Identification of Durability for Selected Cutting Tool Applied on the Base of Taylor Dependence. <i>Advanced Materials Research</i> , 0, 716, 254-260.	0.3	10
16	Implementation of Industry 4.0 Using E-learning and M-learning Approaches in Technically-Oriented Education. <i>TEM Journal</i> , 2021, , 368-375.	0.7	10
17	Comprehensive Expression of Durability for the Selected Cutting Tools in Comparison with Standard ISO 3685. <i>Advanced Science Letters</i> , 2013, 19, 460-463.	0.2	10
18	Study of the Surface Material AISI 304 Usable for Actuator after the Process of Turning. <i>Applied Mechanics and Materials</i> , 0, 460, 107-114.	0.2	8

#	ARTICLE	IF	CITATIONS
19	Prediction model of surface roughness parameters of structural steel created by plasma arc cutting via full factor experiment. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2019, 50, 1207-1220.	0.9	7
20	Prediction of Cutting Material Durability by $T = f(vc)$ Dependence for Turning Processes. <i>Processes</i> , 2020, 8, 789.	2.8	7
21	Durability Analysis for Selected Cutting Tools in Machining Process of Steel 16MoV6-3. <i>Applied Mechanics and Materials</i> , 0, 308, 133-139.	0.2	6
22	RESEARCH ON THE DURABILITY OF SELECTED CUTTING MATERIALS IN THE PROCESS OF TURNING CARBON STEEL. <i>MM Science Journal</i> , 2016, 2016, 1086-1089.	0.4	6
23	The Moisture of Ceramic Powder and the Importance of Monitoring this Parameter during Drying in the Spray Dryer. <i>Applied Mechanics and Materials</i> , 2014, 528, 175-180.	0.2	5
24	Influence of Residual Stress Induced in Steel Material on Eddy Currents Response Parameters. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 551-560.	0.4	5
25	Study of Surface Quality after Turning of Steel AISI 304. <i>Manufacturing Technology</i> , 2014, 14, 527-532.	1.4	5
26	COMPARISON OF PROGRAMMING PRODUCTION OF THIN WALLED PARTS USING DIFFERENT CAM SYSTEMS. <i>MM Science Journal</i> , 2016, 2016, 1056-1059.	0.4	4
27	PROPOSAL OF MEASURING FIXTURE FOR SERIAL PRODUCTION. <i>MM Science Journal</i> , 2016, 2016, 1082-1085.	0.4	4
28	The Comprehensive Comparison of the Selected Cutting Materials with Standard ISO 3685 in Machining Process of Steel C60. <i>Applied Mechanics and Materials</i> , 0, 718, 93-98.	0.2	3
29	Analysis of Cutting Tools Durability Importance in Turning Process of Steel C60. <i>Key Engineering Materials</i> , 0, 669, 319-326.	0.4	3
30	Machinability Research by New Abrasion-Resistant Cast Irons Cutting. <i>Key Engineering Materials</i> , 0, 669, 118-125.	0.4	3
31	Advanced Configuration Parameters of Post Processor Influencing Tensile Testing PLA and Add-Mixtures in Polymer Matrix in the Process of FDM Technology. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6212.	2.5	3
32	Estimation of Wear Resistance for Multilayer Coatings Obtained by Nitrogenchroming. <i>Metals</i> , 2021, 11, 1153.	2.3	3
33	Ergonomic Rationalization Sequence of Digital Lighting Design in the Working Environment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7275.	2.6	3
34	Creation of Mathematical Prescription of Residual Stress Depending on Various Cutting Conditions. <i>Key Engineering Materials</i> , 0, 669, 126-133.	0.4	2
35	Method for Measurement of Residual Stresses using Eddy Currents. <i>Key Engineering Materials</i> , 2015, 669, 409-416.	0.4	2
36	CUTTING CERAMIC DURABILITY IN MACHINING PROCESS OF BEARINGS STEEL 100CR6. <i>MM Science Journal</i> , 2016, 2016, 1060-1065.	0.4	2

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37	Using Software Zelio Soft in Educational Process to Simulation Control Programs for Intelligent Relays. Technological Engineering, 2016, 13, 28-30.	0.3	2
38	Detail Study and Analysis of Durability for Selected Cutting Materials According to Taylor's Theory. Key Engineering Materials, 0, 581, 3-8.	0.4	1
39	The Analysis of Ceramic Cutting Tools Durability in Machining Process of Steel C60 Applied According to Standard ISO 3685. Applied Mechanics and Materials, 0, 275-277, 2190-2194.	0.2	1
40	Impact of Cutting Speed on the Resultant Cutting Tools Durability in Turning Process of Steel 100CrMn6. Applied Mechanics and Materials, 0, 616, 292-299.	0.2	1
41	Analysis of Selected Properties of Cutting Ceramics at Machining Process of Bearing Steel 100Cr6. Applied Mechanics and Materials, 0, 616, 308-316.	0.2	1
42	Bearing Rings Turning and the Impact of this Process for Resulting Durability of Selected Cutting Materials Durability. Key Engineering Materials, 2015, 669, 278-285.	0.4	1
43	Study of Welding Parameters Effect on the Weld Quality for Structural Steel S235 J0. Key Engineering Materials, 0, 669, 79-86.	0.4	1
44	Comprehensive Durability Identification of Ceramic Cutting Materials in Machining Process of Steel 80MoCrV4016. Key Engineering Materials, 0, 669, 286-293.	0.4	1
45	Evaluation of T-V Dependence for the most Commonly Used Cutting Tools. Key Engineering Materials, 2015, 669, 311-318.	0.4	1
46	New Trends of Mineral Composite Application in the Production of CNC Machine Tools. TEM Journal, 2020, , 977-982.	0.7	1
47	Tapered Roller Bearing and Comprehensive Durability Identification of Ceramic Cutting Materials in Machining Process of Steel 80MoCrV4016. Applied Mechanics and Materials, 0, 415, 606-609.	0.2	0
48	Ceramic Powder (Silicon Carbide) - Monitoring and Influencing Process its Production. Advanced Materials Research, 2013, 842, 316-321.	0.3	0
49	The Comparison of Durability Ceramic Cutting Tools in Turning Process of Steel 80MoCrV4016. Applied Mechanics and Materials, 0, 718, 110-115.	0.2	0
50	Non-Destructive Testing of Inhomogeneity of Wood Plastic Composite. Applied Mechanics and Materials, 2014, 718, 71-76.	0.2	0
51	Impact of Cutting Speed on the Resultant Durability of Cutting Tool in Machining Process of Steel C45. Key Engineering Materials, 0, 669, 294-301.	0.4	0
52	Comprehensive Expression of Durability for the Selected Cutting Tools in Comparison with Standard ISO 3685. Transactions of the VSB: Technical University of Ostrava, 2012, 58, 17-24.	0.1	0
53	Effect of glass and carbon fibres on the compressive and flexural strength of the polymer concrete composite. Advances in Production Engineering and Management, 2020, 15, 441-452.	1.2	0
54	INFLUENCE OF RECYCLED PA6 AND PBT PLASTIC MATERIAL ON THE BONDING STRENGTH. MM Science Journal, 2019, 2019, 2005-3010.	0.4	0