

Radivoje MitroviÄ

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Some Characteristics of Compressible Air Impingement Jet Applied in Pneumatic Dimensional Control. <i>Experimental Techniques</i> , 2022, 46, 103-113.	1.5	3
2	Influence of the running-in process on the working ability of contact surfaces in lubricated sliding conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2022, 236, 691-700.	1.8	3
3	Industry 4.0 in Serbia: State of development. <i>Serbian Journal of Management</i> , 2022, 17, 5-14.	0.9	1
4	Analysis of impact of shaft speed and external load on the radial ball bearing lubrication regimes. <i>FME Transactions</i> , 2022, 50, 109-120.	1.4	0
5	Effects of high thermal loads produced by interaction of accelerated plasma with steel surfaces (100Cr6, 16MnCr5, 42CrMo4). <i>Surface and Coatings Technology</i> , 2021, 416, 127157.	4.8	0
6	Industry 4.0 and their application in medicine and dentistry, as well as the fight against the COVID-19 pandemic. <i>Tehnika</i> , 2021, 76, 509-520.	0.2	0
7	Smart Manufacturing as a framework for Smart Mining. <i>Procedia CIRP</i> , 2021, 104, 188-193.	1.9	7
8	A Methodology for Analyzing Radial Ball Bearing Vibrations. <i>Transactions of Famena</i> , 2020, 44, 13-28.	0.6	3
9	Determination of Dynamic Properties of Rubber-Metal Motor Mount of Electric Powertrain. <i>Lecture Notes in Networks and Systems</i> , 2020, , 393-409.	0.7	0
10	The Effect of Inert Gas in the Mixture with Natural Gas on the Parameters of the Combustion Engine. <i>Lecture Notes in Networks and Systems</i> , 2020, , 410-426.	0.7	1
11	Dynamic Simulation of Dual Mass Flywheel. <i>Lecture Notes in Networks and Systems</i> , 2020, , 375-392.	0.7	1
12	Study of the energy distribution within plasma flow generated by magnetoplasma accelerator. <i>Journal of Instrumentation</i> , 2019, 14, C09041-C09041.	1.2	1
13	Industry 4.0 Programs Worldwide. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 78-99.	0.4	13
14	Determination of Archard's wear coefficient and wear simulation of sliding bearings. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 119-125.	1.3	24
15	Mathematical model of energy efficiency in internal spur gears. <i>Thermal Science</i> , 2019, 23, 1801-1813.	1.1	2
16	Determination of the Wing Conveyor Idlers' Axial Loads Using the Finite Element Method. <i>Lecture Notes in Networks and Systems</i> , 2019, , 174-192.	0.7	4
17	Statistical correlation between the printing angle and stress and strain of 3D printed models. <i>Procedia Structural Integrity</i> , 2018, 13, 475-482.	0.8	5
18	The development and application of the new methodology for conveyor idlers fits testing. <i>Procedia Structural Integrity</i> , 2018, 13, 2143-2151.	0.8	2

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19	Cyber-Physical Manufacturing in Context of Industry 4.0 Model. Lecture Notes in Mechanical Engineering, 2018, , 227-238.	0.4	8
20	The Influence of Material on the Operational Characteristics of Spur Gears Manufactured by the 3D Printing Technology. Strojnický Casopis, 2018, 68, 261-270.	0.9	17
21	Towards a unified and practical industrial model for prediction of hydrogen embrittlement and damage in steels. Procedia Structural Integrity, 2016, 2, 604-611.	0.8	40
22	Statistical correlation between vibration characteristics, surface temperatures and service life of rolling bearings "artificially contaminated by open pit coal mine debris particles. Procedia Structural Integrity, 2016, 2, 2338-2346.	0.8	6
23	Analysis of grease contamination influence on the internal radial clearance of ball bearings by thermographic inspection. Thermal Science, 2016, 20, 255-265.	1.1	14
24	The analysis of impact of intensity of contact load and angular shaft speed on the heat generation within radial ball bearing. Thermal Science, 2016, 20, 1765-1776.	1.1	5
25	Effects of operation temperature on thermal expansion and main parameters of radial ball bearings. Thermal Science, 2015, 19, 1835-1844.	1.1	15
26	Combined load simulation vs component loads simulation in machine design: A case study. FME Transactions, 2014, 42, 48-55.	1.4	3
27	Finite element analysis in defining the optimal shape and safety factor of retentive clasp arms of removable partial denture. Vojnosanitetski Pregled, 2013, 70, 999-1005.	0.2	3
28	The Influence of Corrosion on Stress Concentration Factor at Shaft to Flange Radius. Mechanisms and Machine Science, 2013, , 657-666.	0.5	1
29	Evaluation and Choice of Conceptual Solutions for a Universal Geared Engine Reducer. Mechanisms and Machine Science, 2013, , 467-477.	0.5	0
30	Study on impact properties of creep-resistant steel thermally simulated heat affected zone. Thermal Science, 2012, 16, 513-525.	1.1	8
31	Failure analysis of hydraulic turbine shaft. Engineering Failure Analysis, 2012, 20, 54-66.	4.0	54
32	Investigation of causes of fan shaft failure. Engineering Failure Analysis, 2010, 17, 1188-1194.	4.0	8
33	Influence of running conditions on resonant oscillations in fresh-air ventilator blades used in thermal power plants. Thermal Science, 2009, 13, 139-146.	1.1	4
34	Reliability of Transportation Belt Rollers Used in Surface Coal Digging. Advanced Materials Research, 0, 633, 312-321.	0.3	4
35	Explicit Parametric Method for Optimal Spur Gear Tooth Profile Definition. Advanced Materials Research, 0, 633, 87-102.	0.3	7
36	Improvement of Auxiliary Mechanization Operations Management at an Open-Pit Coal Mine Based on a Process Approach with ICT Support. Advanced Materials Research, 0, 633, 322-334.	0.3	3

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37	Data Acquisition and Automatisation of a Conveyor Idler Test Stand. Advanced Materials Research, 0, 633, 277-289.	0.3	1
38	Analysis of Deep Groove Ball Bearing Design for Assembly. Advanced Materials Research, 0, 633, 77-86.	0.3	1
39	Assessment of the Effect of Pitting Corrosion on Fatigue Crack Initiation in Hydro Turbine Shaft. Advanced Materials Research, 0, 633, 186-196.	0.3	3
40	Crossed Helical Gears with Wheels Manufactured from Sintered Steel with Pyrohydrolysis. Advanced Materials Research, 0, 633, 197-208.	0.3	1
41	Experimental Investigation of Characteristics of Passive Safety Elements. Advanced Materials Research, 0, 633, 290-300.	0.3	0