Radivoje MitroviÄ

List of Publications by Year
in descending order

		1163117	996975
41	276	8	15
papers	citations	h-index	g-index

42	42	42	238
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Failure analysis of hydraulic turbine shaft. Engineering Failure Analysis, 2012, 20, 54-66.	4.0	54
2	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
3	Determination of Archardâ€™s wear coefficient and wear simulation of sliding bearings. Industrial Lubrication and Tribology, 2019, 71, 119-125.	1.3	24
4	The Influence of Material on the Operational Characteristics of Spur Gears Manufactured by the 3D Printing Technology. Strojnicky Casopis, 2018, 68, 261-270.	0.9	17
5	Effects of operation temperature on thermal expansion and main parameters of radial ball bearings. Thermal Science, 2015, 19, 1835-1844.	1.1	15
6	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
7	Industry 4.0 Programs Worldwide. Lecture Notes in Mechanical Engineering, 2019, , 78-99.	0.4	13
8	Investigation of causes of fan shaft failure. Engineering Failure Analysis, 2010, 17, 1188-1194.	4.0	8
9	Study on impact properties of creep-resistant steel thermally simulated heat affected zone. Thermal Science, 2012, 16, 513-525.	1.1	8
10	Cyber-Physical Manufacturing in Context of Industry 4.0 Model. Lecture Notes in Mechanical Engineering, 2018, , 227-238.	0.4	8
11	Explicit Parametric Method for Optimal Spur Gear Tooth Profile Definition. Advanced Materials Research, 0, 633, 87-102.	0.3	7
12	Smart Manufacturing as a framework for Smart Mining. Procedia CIRP, 2021, 104, 188-193.	1.9	7
13	Statistical correlation between vibration characteristics, surface temperatures and service life of rolling bearings â€“ artificially contaminated by open pit coal mine debris particles. Procedia Structural Integrity, 2016, 2, 2338-2346.	0.8	6
14	Statistical correlation between the printing angle and stress and strain of 3D printed models. Procedia Structural Integrity, 2018, 13, 475-482.	0.8	5
15	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
16	Reliability of Transportation Belt Rollers Used in Surface Coal Digging. Advanced Materials Research, 0, 633, 312-321.	0.3	4
17	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
18	Determination of the Wing Conveyor Idlersâ€™ Axial Loads Using the Finite Element Method. Lecture Notes in Networks and Systems, 2019, , 174-192.	0.7	4

#	Article	IF	Citations
19	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
20	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
21	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
22	A Methodology for Analyzing Radial Ball Bearing Vibrations. Transactions of Famena, 2020, 44, 13-28.	0.6	3
23	Some Characteristics of Compressible Air Impingement Jet Applied in Pneumatic Dimensional Control. Experimental Techniques, 2022, 46, 103-113.	1.5	3
24	Influence of the running-in process on the working ability of contact surfaces in lubricated sliding conditions. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2022, 236, 691-700.	1.8	3
25	Combined load simulation vs component loads simulation in machine design: A case study. FME Transactions, 2014, 42, 48-55.	1.4	3
26	The development and application of the new methodology for conveyor idlers fits testing. Procedia Structural Integrity, 2018, 13, 2143-2151.	0.8	2
27	Mathematical model of energy efficiency in internal spur gears. Thermal Science, 2019, 23, 1801-1813.	1.1	2
28	Data Acquisition and Automatisation of a Conveyor Idler Test Stand. Advanced Materials Research, 0, 633, 277-289.	0.3	1
29	Analysis of Deep Groove Ball Bearing Design for Assembly. Advanced Materials Research, 0, 633, 77-86.	0.3	1
30	Crossed Helical Gears with Wheels Manufactured from Sintered Steel with Pyrohydrolysis. Advanced Materials Research, 0, 633, 197-208.	0.3	1
31	Study of the energy distribution within plasma flow generated by magnetoplasma accelerator. Journal of Instrumentation, 2019, 14, C09041-C09041.	1.2	1
32	The Influence of Corrosion on Stress Concentration Factor at Shaft to Flange Radius. Mechanisms and Machine Science, 2013, , 657-666.	0.5	1
33	The Effect of Inert Gas in the Mixture with Natural Gas on the Parameters of the Combustion Engine. Lecture Notes in Networks and Systems, 2020, , 410-426.	0.7	1
34	Dynamic Simulation of Dual Mass Flywheel. Lecture Notes in Networks and Systems, 2020, , 375-392.	0.7	1
35	Industry 4.0 in Serbia: State of development. Serbian Journal of Management, 2022, 17, 5-14.	0.9	1
36	Experimental Investigation of Characteristics of Passive Safety Elements. Advanced Materials Research, 0, 633, 290-300.	0.3	0

#	Article	IF	Citations
37	Effects of high thermal loads produced by interaction of accelerated plasma with steel surfaces (100Cr6, 16MnCr5, 42CrMo4). Surface and Coatings Technology, 2021, 416, 127157.	4.8	0
38	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
39	Evaluation and Choice of Conceptual Solutions for a Universal Geared Engine Reducer. Mechanisms and Machine Science, 2013, , 467-477.	0.5	0
40	Determination of Dynamic Properties of Rubber-Metal Motor Mount of Electric Powertrain. Lecture Notes in Networks and Systems, 2020, , 393-409.	0.7	0
41	Analysis of impact of shaft speed and external load on the radial ball bearing lubrication regimes. FME Transactions, 2022, 50, 109-120.	1.4	0