

Zuzana Šáigová

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

110
citations

1478505

6
h-index

1372567

10
g-index

21
all docs

21
docs citations

21
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Symmetrical/Asymmetrical Loading Influence of the Full-Suspension Downhill Bicycle's Frame on the Crack Failure Formation at a Critical Point during Different Driving Scenarios and Design Improvement. <i>Symmetry</i> , 2022, 14, 255.	2.2	3
2	Numerical analysis and optimization of large dimensioned structures considering stress concentrations in welded joint. <i>MATEC Web of Conferences</i> , 2022, 357, 02002.	0.2	0
3	FEM Simulation of Non-proportional Multiaxial Fatigue Damage. <i>MATEC Web of Conferences</i> , 2022, 357, 02006.	0.2	2
4	Development of a System for Managing the Variability and Modularity of Reconfiguration Manufacturing Systems. , 2021, , .		0
5	Risk assessment of horizontal transport system in a copper mine. <i>Acta Montanistica Slovaca</i> , 2021, , 303-314.	0.4	2
6	Numerical study of linearization techniques for Bouc-Wen hysteresis model considering random inputs. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 776, 012059.	0.6	0
7	Analysis and structuring diagnostic large volume data of technical condition of complex equipment in transport. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 776, 012049.	0.6	8
8	Thermal-stress analysis of vulcanization molds to determine the dilatation gap between aluminum segments. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 776, 012053.	0.6	0
9	FE modeling of continuous fiber reinforced thermoplastic composite structures produced by additive manufacturing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 776, 012080.	0.6	1
10	Examination of industrial robot performance parameters utilizing machine tool diagnostic methods. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142090572.	2.1	15
11	Management Accounting Model for Small Industrial Enterprises. <i>Multidisciplinary Aspects of Production Engineering</i> , 2020, 3, 694-706.	0.2	0
12	PROSPECTS OF MODERN CASTING METHODS FOR CASES WITH COMPLEX INTERNAL CAVITY. <i>MM Science Journal</i> , 2020, 2020, 4045-4051.	0.4	0
13	Numerical study of the relation between chosen statistical parameters of input stresses and cumulative fatigue damage provided rainflow decomposition. <i>MATEC Web of Conferences</i> , 2019, 254, 02006.	0.2	1
14	Circular and quasi-circular paths for the industrial robots measuring with the Renishaw Ballbar QC20-W. <i>MATEC Web of Conferences</i> , 2019, 254, 05007.	0.2	4
15	Collaborative assembly task realization using selected type of a human-robot interaction. <i>Transportation Research Procedia</i> , 2019, 40, 541-547.	1.5	14
16	Providing Cyclic Robustness of Bolted Joints in Case of Assembly with Implementation of Anaerobic Materials. <i>Materials Science Forum</i> , 2019, 952, 3-12.	0.3	2
17	OPTIMISATION OF THE MACHINING PROCESS USING GENETIC ALGORITHM. <i>Scientific Journal of Silesian University of Technology Series Transport</i> , 2019, 104, 15-25.	0.4	6
18	Measurement of Residual Stresses of Locomotive Wheel Treads During the Manufacturing Technological Cycle. <i>Management Systems in Production Engineering</i> , 2019, 27, 236-241.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Measurement of industrial robot pose repeatability. MATEC Web of Conferences, 2018, 244, 01015.	0.2	33
20	Application of artificial intelligence principles in mechanical engineering. MATEC Web of Conferences, 2018, 244, 01027.	0.2	9
21	Effective algorithm for structural optimization subjected to fatigue damage and random excitation. Scientific Journal of Silesian University of Technology Series Transport, 2018, 99, 149-161.	0.4	3