

Zuzana Šígová

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	Measurement of industrial robot pose repeatability. MATEC Web of Conferences, 2018, 244, 01015.	0.2	33
2	Examination of industrial robot performance parameters utilizing machine tool diagnostic methods. International Journal of Advanced Robotic Systems, 2020, 17, 172988142090572.	2.1	15
3	Collaborative assembly task realization using selected type of a human-robot interaction. Transportation Research Procedia, 2019, 40, 541-547.	1.5	14
4	Application of artificial intelligence principles in mechanical engineering. MATEC Web of Conferences, 2018, 244, 01027.	0.2	9
5	Analysis and structuring diagnostic large volume data of technical condition of complex equipment in transport. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012049.	0.6	8
6	Measurement of Residual Stresses of Locomotive Wheel Treads During the Manufacturing Technological Cycle. Management Systems in Production Engineering, 2019, 27, 236-241.	1.1	7
7	OPTIMISATION OF THE MACHINING PROCESS USING GENETIC ALGORITHM. Scientific Journal of Silesian University of Technology Series Transport, 2019, 104, 15-25.	0.4	6
8	Circular and quasi-circular paths for the industrial robots measuring with the Renishaw Ballbar QC20-W. MATEC Web of Conferences, 2019, 254, 05007.	0.2	4
9	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
10	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. Symmetry, 2022, 14, 255.	2.2	3
11	Providing Cyclic Robustness of Bolted Joints in Case of Assembly with Implementation of Anaerobic Materials. Materials Science Forum, 2019, 952, 3-12.	0.3	2
12	Risk assessment of horizontal transport system in a copper mine. Acta Montanistica Slovaca, 2021, , 303-314.	0.4	2
13	FEM Simulation of Non-proportional Multiaxial Fatigue Damage. MATEC Web of Conferences, 2022, 357, 02006.	0.2	2
14	Numerical study of the relation between chosen statistical parameters of input stresses and cumulative fatigue damage provided rainflow decomposition. MATEC Web of Conferences, 2019, 254, 02006.	0.2	1
15	FE modeling of continuous fiber reinforced thermoplastic composite structures produced by additive manufacturing. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012080.	0.6	1
16	Numerical study of linearization techniques for Bouc-Wen hysteresis model considering random inputs. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012059.	0.6	0
17	Thermal-stress analysis of vulcanization molds to determine the dilatation gap between aluminum segments. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012053.	0.6	0
18	Development of a System for Managing the Variability and Modularity of Reconfiguration Manufacturing Systems. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Management Accounting Model for Small Industrial Enterprises. Multidisciplinary Aspects of Production Engineering, 2020, 3, 694-706.	0.2	0
20	PROSPECTS OF MODERN CASTING METHODS FOR CASES WITH COMPLEX INTERNAL CAVITY. MM Science Journal, 2020, 2020, 4045-4051.	0.4	0
21	Numerical analysis and optimization of large dimensioned structures considering stress concentrations in welded joint. MATEC Web of Conferences, 2022, 357, 02002.	0.2	0