

Rosen Mitrev

List of Publications by Year in descending order

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18
papers

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citations

1684188

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1720034

7
g-index

19
all docs

19
docs citations

19
times ranked

49
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative measures for assessment of the hydraulic excavator digging efficiency. Journal of Zhejiang University: Science A, 2012, 13, 926-942.	2.4	10
2	Force analysis and kinematic optimization of a fluid valve driven by shape memory alloys. Reports in Mechanical Engineering, 2020, 1, 61-76.	7.7	10
3	On the Existence of Oscillatory Modes in a Nonlinear System with Hystereses. Differential Equations, 2020, 56, 1081-1099.	0.7	7
4	Numerical study of the hydraulic excavator overturning stability during performing lifting operations. Advances in Mechanical Engineering, 2019, 11, 168781401984177.	1.6	6
5	Theoretical and Experimental Study of a Thermo-Mechanical Model of a Shape Memory Alloy Actuator Considering Minor Hystereses. Crystals, 2021, 11, 1120.	2.2	6
6	CLOUD-BASED EXPERT SYSTEM FOR SYNTHESIS AND EVOLUTIONARY OPTIMIZATION OF PLANAR LINKAGES. Facta Universitatis, Series: Mechanical Engineering, 2018, 16, 139.	4.6	6
7	Qualitative analysis of oscillating magnetomechanical system. IOP Conference Series: Materials Science and Engineering, 2019, 618, 012054.	0.6	5
8	Mathematical modelling of translational motion of rail-guided cart with suspended payload. Journal of Zhejiang University: Science A, 2007, 8, 1395-1400.	2.4	4
9	Dynamic behavior of a hydraulic crane operating a freely suspended payload. Journal of Zhejiang University: Science A, 2017, 18, 268-281.	2.4	4
10	Dynamical modelling of hydraulic excavator considered as a multibody system. Tehnicki Vjesnik, 2017, 24, .	0.2	4
11	Energy Harvesting With Thermally Induced Vibrations in Shape Memory Alloys by a Constant Temperature Heater. IEEE/ASME Transactions on Mechatronics, 2022, 27, 475-484.	5.8	3
12	A THEORETICAL-EXPERIMENTAL APPROACH FOR ELASTO-DAMPING PARAMETERS ESTIMATION OF CONE INERTIAL CRUSHER MOUNTING. Facta Universitatis, Series: Mechanical Engineering, 2017, 15, 73.	4.6	3
13	Modeling and study of a novel electrothermal oscillator based on shape memory alloys. IOP Conference Series: Materials Science and Engineering, 2020, 878, 012059.	0.6	2
14	Web-based VR Environment for Simulation and Visualization of Construction Manipulator Motion. , 2019, , .		1
15	Web based tool for modeling and simulation of vehicles collisions. , 2014, , .		0
16	Web-based virtual reality for simulation of a heavy manipulator with a freely suspended payload. IOP Conference Series: Materials Science and Engineering, 2019, 664, 012015.	0.6	0
17	A Parametric Study of an Electrothermal Oscillator Based on Shape Memory Alloys. , 2020, , .		0
18	Multicriteria optimal selection of a hydraulic cylinder for drive mechanisms. FME Transactions, 2021, 49, 501-510.	1.4	0