

Selâşuk Erkaya

List of Publications by Year in descending order

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36
papers

1,519
citations

361045

20
h-index

395343

33
g-index

38
all docs

38
docs citations

38
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust model-free control of a class of uncertain nonlinear systems using BELBIC: stability analysis and experimental validation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	14
2	Determining power consumption using neural model in multibody systems with clearance and flexible joints. <i>Multibody System Dynamics</i> , 2019, 47, 165-181.	1.7	17
3	Investigation of joint clearance effects on actuator power consumption in mechanical systems. Measurement: <i>Journal of the International Measurement Confederation</i> , 2019, 134, 400-411.	2.5	13
4	Clearance-induced vibration responses of mechanical systems: computational and experimental investigations. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	0.8	36
5	Experimental investigation of flexible connection and clearance joint effects on the vibration responses of mechanisms. <i>Mechanism and Machine Theory</i> , 2018, 121, 515-529.	2.7	77
6	Effects of Joint Clearance on the Motion Accuracy of Robotic Manipulators. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2018, 64, .	0.6	9
7	Analysis of the joint clearance effects on a compliant spatial mechanism. <i>Mechanism and Machine Theory</i> , 2016, 104, 255-273.	2.7	58
8	Balancing of Planar Mechanisms Having Imperfect Joints Using Neural Network-Genetic Algorithm (NN-GA) Approach. , 2016, , 299-317.		1
9	Minimization of Shaking Force and Moment on a Four-Bar Mechanism Using Genetic Algorithm. , 2016, , 319-336.		1
10	An Experimental Study on Gear Diagnosis by Using Acoustic Emission Technique. <i>International Journal of Acoustics and Vibrations</i> , 2016, 21, .	0.3	7
11	A comparative analysis of joint clearance effects on articulated and partly compliant mechanisms. <i>Nonlinear Dynamics</i> , 2015, 81, 323-341.	2.7	55
12	Effects of joint clearance on the dynamics of a partly compliant mechanism: Numerical and experimental studies. <i>Mechanism and Machine Theory</i> , 2015, 88, 125-140.	2.7	108
13	Modelling and evaluation of light railway system's noise using neural predictors. <i>Journal of Environmental Health Science & Engineering</i> , 2015, 13, 20.	1.4	3
14	Effects of metal surface grinding at the porcelain try-in stage of fixed dental prostheses. <i>Journal of Advanced Prosthodontics</i> , 2014, 6, 317.	1.1	2
15	The Use of Neural Network Predictors for Analyzing the Elevator Vibrations. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 1157-1170.	1.1	15
16	Modeling and simulation of joint clearance effects on mechanisms having rigid and flexible links. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 2979-2986.	0.7	56
17	Investigation of balancing problem for a planar mechanism using genetic algorithm. <i>Journal of Mechanical Science and Technology</i> , 2013, 27, 2153-2160.	0.7	30
18	Trajectory optimization of a walking mechanism having revolute joints with clearance using ANFIS approach. <i>Nonlinear Dynamics</i> , 2013, 71, 75-91.	2.7	54

#	ARTICLE	IF	CITATIONS
19	Experimental analysis on fault detection for a direct coupled rotor-bearing system. Measurement: Journal of the International Measurement Confederation, 2013, 46, 336-344.	2.5	30
20	Analysis of the vibration characteristics of an experimental mechanical system using neural networks. JVC/Journal of Vibration and Control, 2012, 18, 2059-2072.	1.5	6
21	Effects of balancing and link flexibility on dynamics of a planar mechanism having joint clearance. Scientia Iranica, 2012, 19, 483-490.	0.3	34
22	Passive balancing of a rotating mechanical system using genetic algorithm. Scientia Iranica, 2012, 19, 1502-1510.	0.3	3
23	Prediction of vibration characteristics of a planar mechanism having imperfect joints using neural network. Journal of Mechanical Science and Technology, 2012, 26, 1419-1430.	0.7	42
24	Investigation of joint clearance effects on welding robot manipulators. Robotics and Computer-Integrated Manufacturing, 2012, 28, 449-457.	6.1	83
25	Fault detection on robot manipulators using artificial neural networks. Robotics and Computer-Integrated Manufacturing, 2011, 27, 115-123.	6.1	80
26	Vibration analysis of food industries mixing systems for long life using neural networks. , 2011, , .		5
27	Experimental investigation of joint clearance effects on the dynamics of a slider-crank mechanism. Multibody System Dynamics, 2010, 24, 81-102.	1.7	148
28	Noise and Vibration Analysis of Car Engines using Proposed Neural Network. JVC/Journal of Vibration and Control, 2009, 15, 133-156.	1.5	35
29	Determination of Structural Damping and Optimal Vibration Control of an Adhesively-Bonded Double Containment Cantilever Joint. Journal of Adhesion Science and Technology, 2009, 23, 339-359.	1.4	2
30	Oils quality and performance analysis of vehicle's engines using radial basis neural networks. Industrial Lubrication and Tribology, 2009, 61, 301-310.	0.6	8
31	Determining link parameters using genetic algorithm in mechanisms with joint clearance. Mechanism and Machine Theory, 2009, 44, 222-234.	2.7	128
32	Investigation on effect of joint clearance on dynamics of a four-bar mechanism. Nonlinear Dynamics, 2009, 58, 179-198.	2.7	123
33	Optimization of transmission angle for slider-crank mechanism with joint clearances. Structural and Multidisciplinary Optimization, 2009, 37, 493-508.	1.7	69
34	A neural genetic (NN-GA) approach for optimising mechanisms having joints with clearance. Multibody System Dynamics, 2008, 20, 69-83.	1.7	119
35	Dynamic analysis of a slider-crank mechanism with eccentric connector and planetary gears. Mechanism and Machine Theory, 2007, 42, 393-408.	2.7	43
36	Design of neural networks model for transmission angle of a modified mechanism. Journal of Mechanical Science and Technology, 2005, 19, 1875-1884.	0.7	3