

Ender Cigeroglu

List of Publications by Year in descending order

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54
papers

737
citations

623734

14
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552781

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62
all docs

62
docs citations

62
times ranked

468
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear vibration analysis of bladed disks with dry friction dampers. <i>Journal of Sound and Vibration</i> , 2006, 295, 1028-1043.	3.9	83
2	A microslip friction model with normal load variation induced by normal motion. <i>Nonlinear Dynamics</i> , 2007, 50, 609-626.	5.2	73
3	Static and free vibration analyses of small-scale functionally graded beams possessing a variable length scale parameter using different beam theories. <i>European Journal of Mechanics, A/Solids</i> , 2014, 46, 1-11.	3.7	64
4	Forced Response Prediction of Constrained and Unconstrained Structures Coupled Through Frictional Contacts. <i>Journal of Engineering for Gas Turbines and Power</i> , 2009, 131, .	1.1	53
5	One-dimensional dynamic microslip friction model. <i>Journal of Sound and Vibration</i> , 2006, 292, 881-898.	3.9	45
6	Chatter reduction in boring process by using piezoelectric shunt damping with experimental verification. <i>Mechanical Systems and Signal Processing</i> , 2017, 94, 312-321.	8.0	44
7	Nonlinear time-varying dynamic analysis of a spiral bevel geared system. <i>Nonlinear Dynamics</i> , 2018, 92, 1901-1919.	5.2	44
8	An improved quasi-zero stiffness vibration isolation system utilizing dry friction damping. <i>Nonlinear Dynamics</i> , 2020, 101, 107-121.	5.2	36
9	A new modal superposition method for nonlinear vibration analysis of structures using hybrid mode shapes. <i>Mechanical Systems and Signal Processing</i> , 2018, 107, 317-342.	8.0	34
10	Nonlinear free vibration of double walled carbon nanotubes by using describing function method with multiple trial functions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 46, 160-173.	2.7	29
11	Nonlinear free vibrations of curved double walled carbon nanotubes using differential quadrature method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 64, 95-105.	2.7	26
12	Nonlinear dynamic analysis of a drivetrain composed of spur, helical and spiral bevel gears. <i>Nonlinear Dynamics</i> , 2020, 100, 3145-3170.	5.2	22
13	Ideal tooth profile modifications for improving nonlinear dynamic response of planetary gear trains. <i>Journal of Sound and Vibration</i> , 2021, 500, 116007.	3.9	19
14	Dynamics and stability of conical/cylindrical shells conveying subsonic compressible fluid flows with general boundary conditions. <i>International Journal of Mechanical Sciences</i> , 2017, 120, 42-61.	6.7	16
15	Mistuning Identification of Integrally Bladed Disks With Cascaded Optimization and Neural Networks. <i>Journal of Turbomachinery</i> , 2013, 135, .	1.7	14
16	Free vibrations of moderately thick truncated conical shells filled with quiescent fluid. <i>Journal of Fluids and Structures</i> , 2016, 63, 280-301.	3.4	13
17	Vibration Fatigue Analysis of a Cantilever Beam Using Different Fatigue Theories. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2014, , 471-478.	0.5	12
18	Thermal effect on bending, buckling and free vibration of functionally graded rectangular micro-plates possessing a variable length scale parameter. <i>Microsystem Technologies</i> , 2018, 24, 3549-3572.	2.0	11

#	ARTICLE	IF	CITATIONS
19	A novel modal superposition method with response dependent nonlinear modes for periodic vibration analysis of large MDOF nonlinear systems. <i>Mechanical Systems and Signal Processing</i> , 2020, 135, 106388.	8.0	11
20	Localization and identification of structural nonlinearities using cascaded optimization and neural networks. <i>Mechanical Systems and Signal Processing</i> , 2017, 95, 219-238.	8.0	9
21	A novel two-step pseudo-response based adaptive harmonic balance method for dynamic analysis of nonlinear structures. <i>Mechanical Systems and Signal Processing</i> , 2019, 130, 610-631.	8.0	9
22	Enhancement of the reliability of MEMS shock sensors by adopting a dual-mass model. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 153, 107428.	5.0	9
23	Nonlinear resonances of axially functionally graded beams rotating with varying speed including Coriolis effects. <i>Nonlinear Dynamics</i> , 2022, 107, 533-558.	5.2	7
24	A new sliding-mode controller design methodology with derivative switching function for anti-lock brake system. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 2487-2503.	2.1	6
25	Nonlinear Time-Varying Dynamic Analysis of a Multi-Mesh Spur Gear Train. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 309-321.	0.5	6
26	Frequency Domain Optimization of Dry Friction Dampers on Buildings Under Harmonic Excitation. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2012, , 113-125.	0.5	6
27	Effect of Dry Friction Damping on the Dynamic Response of Helicopter Tail Shaft. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 23-30.	0.5	5
28	Effects of Aircraft Aeroelastic Deformations on External Store Separation Dynamics. , 2013, , .		3
29	Chatter Reduction in Turning by Using Piezoelectric Shunt Circuits. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2014, , 415-420.	0.5	2
30	Vibration-based tool wear estimation by using non-stationary Functional Series TARMA (FS-TARMA) models. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 1431-1442.	3.0	2
31	Nonlinear Dynamic Analysis of a Spiral Bevel Geared System. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 31-40.	0.5	2
32	Structural Coupling of Two-Nonlinear Structures. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2015, , 163-173.	0.5	2
33	Nonlinear Vibrations of a Beam with a Breathing Edge Crack Using Multiple Trial Functions. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 1-9.	0.5	1
34	Nonlinear Vibrations of a Flexible L-shaped Beam Using Differential Quadrature Method. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 145-154.	0.5	1
35	The Effect of Stiffness and Loading Deviations in a Nonlinear Isolator Having Quasi Zero Stiffness and Geometrically Nonlinear Damping. , 2017, , .		1
36	Reduced Order Modeling of Bolted Joints in Frequency Domain. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2020, , 235-238.	0.5	1

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37	Reanalysis of Large Finite Element Models with Structural Nonlinearities. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 281-287.	0.5	1
38	Functional Series TARMA Models for Non-stationary Tool Vibration Signals Representation and Wear Estimation. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 141-151.	0.5	1
39	Adaptive Harmonic Balance Methods, A Comparison. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 279-289.	0.5	1
40	Vibration Reduction by Using Two Tuned Mass Dampers with Dry Friction Damping. , 2020, , 59-67.		1
41	Shock Response of an Antenna Structure Considering Geometric Nonlinearity. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 47-59.	0.5	0
42	Nonlinear Vibrations of a Functionally Graded Material Microbeam with Geometric Nonlinearity. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 167-176.	0.5	0
43	Nonlinear Transverse Vibrations of a Beam with Multiple Breathing Edge Cracks. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 259-266.	0.5	0
44	Modeling of aircraft effects on external store ejection. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 3612-3626.	1.3	0
45	Nonlinear 3D Modeling and Vibration Analysis of Horizontal Drum Type Washing Machines. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 225-228.	0.5	0
46	Comparison of Linear and Nonlinear Modal Reduction Approaches. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 229-233.	0.5	0
47	A Novel Computational Method to Calculate Nonlinear Normal Modes of Complex Structures. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 259-262.	0.5	0
48	Nonlinear Free Vibration of Curved Double Walled Carbon Nanotubes Using Differential Quadrature Method. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 269-279.	0.5	0
49	Design of a Test Setup for Measuring Dynamic Stiffness of Vibration Isolators. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 235-247.	0.5	0
50	A Modified Inverse Eigensensitivity Method for Large Finite Element Models. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 293-301.	0.5	0
51	Setup for testing the vibration-based loosening of pre-loaded bolted joints. Materialpruefung/Materials Testing, 2019, 61, 981-985.	2.2	0
52	Nonlinear Dynamic Analysis of an Asymmetric Ball Bearing Rotor System. , 2019, , .		0
53	Vibration Analysis of Washing Machines in the Drum Plane. , 2020, , 549-560.		0
54	On the Solution of Nonlinear Algebraic Equations Following Periodic Forced Response Analysis of Nonlinear Structures Using Different Nonlinear Solvers. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 121-127.	0.5	0