

Jianxin Han

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

257
citations

1040018

9
h-index

996954

15
g-index

29
all docs

29
docs citations

29
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Static bifurcation and primary resonance analysis of a MEMS resonator actuated by two symmetrical electrodes. <i>Nonlinear Dynamics</i> , 2015, 80, 1585-1599.	5.2	35
2	Nonlinear coupled vibration of electrostatically actuated clamped-clamped microbeams under higher-order modes excitation. <i>Nonlinear Dynamics</i> , 2017, 90, 1593-1606.	5.2	34
3	Dynamic modeling and stability analysis for the combined milling system with variable pitch cutter and spindle speed variation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 63, 38-56.	3.3	29
4	Design considerations on large amplitude vibration of a doubly clamped microresonator with two symmetrically located electrodes. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 492-510.	3.3	22
5	Dynamic analysis and design of electrically actuated viscoelastic microbeams considering the scale effect. <i>International Journal of Non-Linear Mechanics</i> , 2017, 90, 21-31.	2.6	21
6	Dynamic evolution of a primary resonance MEMS resonator under prebuckling pattern. <i>Nonlinear Dynamics</i> , 2018, 93, 2357-2378.	5.2	13
7	Dynamic Modeling and Structural Optimization of a Bistable Electromagnetic Vibration Energy Harvester. <i>Energies</i> , 2019, 12, 2410.	3.1	12
8	Mechanical behaviors of electrostatic microresonators with initial offset imperfection: qualitative analysis via time-varying capacitors. <i>Nonlinear Dynamics</i> , 2018, 91, 269-295.	5.2	11
9	Mechanical Behaviors Research and the Structural Design of a Bipolar Electrostatic Actuation Microbeam Resonator. <i>Sensors</i> , 2019, 19, 1348.	3.8	11
10	Error compensation for machining of sculptured surface based on on-machine measurement and model reconstruction. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 3177-3187.	3.0	11
11	Stability and perturbation analysis of a one-degree-of-freedom doubly clamped microresonator with delayed velocity feedback control. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 3454-3470.	2.6	9
12	Vibration Identification of Folded-MEMS Comb Drive Resonators. <i>Micromachines</i> , 2018, 9, 381.	2.9	9
13	Stability analysis for variable spindle speed milling with helix angle using an improved semi-discretization method. <i>Science China Technological Sciences</i> , 2013, 56, 648-655.	4.0	7
14	Bifurcation Control of an Electrostatically-Actuated MEMS Actuator with Time-Delay Feedback. <i>Micromachines</i> , 2016, 7, 177.	2.9	5
15	Qualitative Identification of the Static Pull-In and Fundamental Frequency of One-Electrode MEMS Resonators. <i>Micromachines</i> , 2018, 9, 614.	2.9	4
16	Stochastic dynamic behavior of electrostatically actuated clamped-clamped microbeams with consideration of thermal field. <i>International Journal of Non-Linear Mechanics</i> , 2018, 105, 192-199.	2.6	4
17	Monostable Dynamic Analysis of Microbeam-Based Resonators via an Improved One Degree of Freedom Model. <i>Micromachines</i> , 2018, 9, 89.	2.9	4
18	A Method for Stability Analysis of Periodic Delay Differential Equations with Multiple Time-Periodic Delays. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-8.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Nonlinear mechanism of pull-in and snap-through in microbeam due to asymmetric bias voltages. <i>Nonlinear Dynamics</i> , 2020, 102, 19-44.	5.2	3
20	Fuzzy Fractional-Order Fast Terminal Sliding Mode Control for Some Chaotic Microcomponents. <i>Transactions of Tianjin University</i> , 2017, 23, 289-294.	6.4	2
21	Chaos Suppression of an Electrically Actuated Microresonator Based on Fractional-Order Nonsingular Fast Terminal Sliding Mode Control. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-12.	1.1	2
22	Dynamic Analysis of a Micro Beam-Based Tactile Sensor Actuated by Fringing Electrostatic Fields. <i>Micromachines</i> , 2019, 10, 324.	2.9	2
23	Mechanical Behaviors of Electrostatic Microbeams with Nonideal Supports. <i>Shock and Vibration</i> , 2020, 2020, 1-18.	0.6	2
24	An Updated Method for Stability Analysis of Milling Process with Multiple and Distributed Time Delays and Its Application. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4203.	2.5	2
25	Nonlinear Dynamic Analysis of Railway Wagon End Wall under the Action of Granular Media. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-9.	1.1	0
26	Helical configurations of elastic rods in the presence of interfacial traction. <i>Transactions of Tianjin University</i> , 2015, 21, 223-227.	6.4	0
27	Simulation method of milling vibration based on cutting force segmentation model and Simulink. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 592, 012082.	0.6	0
28	Stability Analysis Method for Periodic Delay Differential Equations with Multiple Distributed and Time-Varying Delays. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-9.	1.1	0
29	Stability Analysis of Milling Process with Variable Spindle Speed and Pitch Angle considering Helix Angle and Process Phase Difference. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-15.	1.1	0