

G Rezazadeh; Gh Rezazadeh

List of Publications by Citations

Source: <https://exaly.com/author-pdf/116431/g-rezazadeh-gh-rezazadeh-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

243
papers

4,488
citations

38
h-index

51
g-index

277
ext. papers

5,071
ext. citations

2.8
avg, IF

6.15
L-index

#	Paper	IF	Citations
243	Application of piezoelectric layers in electrostatic MEM actuators: controlling of pull-in voltage. <i>Microsystem Technologies</i> , 2006 , 12, 1163-1170	1.7	141
242	. <i>Journal of Microelectromechanical Systems</i> , 2007 , 16, 1334-1340	2.5	117
241	Automated diagnosis of coronary artery disease (CAD) patients using optimized SVM. <i>Computer Methods and Programs in Biomedicine</i> , 2017 , 138, 117-126	6.9	82
240	Application and comparison of an ANN-based feature selection method and the genetic algorithm in gearbox fault diagnosis. <i>Expert Systems With Applications</i> , 2011 , 38, 10205-10209	7.8	82
239	INTRODUCTION OF MODIFIED COMPARISON FUNCTIONS FOR VIBRATION ANALYSIS OF A RECTANGULAR CRACKED PLATE. <i>Journal of Sound and Vibration</i> , 2000 , 236, 245-258	3.9	80
238	Thermoelastic damping in a micro-beam resonator using modified couple stress theory. <i>Acta Mechanica</i> , 2012 , 223, 1137-1152	2.1	77
237	Vibration control of a pipe conveying fluid under external periodic excitation using a nonlinear energy sink. <i>Nonlinear Dynamics</i> , 2016 , 86, 1761-1795	5	75
236	Vibration control of a nonlinear beam with a nonlinear energy sink. <i>Nonlinear Dynamics</i> , 2016 , 83, 1-22	5	73
235	Nonlinear vibration control and energy harvesting of a beam using a nonlinear energy sink and a piezoelectric device. <i>Journal of Sound and Vibration</i> , 2014 , 333, 4444-4457	3.9	71
234	On the mechanical behavior of a functionally graded micro-beam subjected to a thermal moment and nonlinear electrostatic pressure. <i>Composite Structures</i> , 2011 , 93, 1516-1525	5.3	70
233	Free vibrations analysis of a rotating shaft with nonlinearities in curvature and inertia. <i>Mechanism and Machine Theory</i> , 2009 , 44, 272-288	4	68
232	Nonlinear vibration control of a cantilever beam by a nonlinear energy sink. <i>Mechanism and Machine Theory</i> , 2012 , 50, 134-149	4	60
231	Nonlinear vibration analysis of an axially moving drillstring system with time dependent axial load and axial velocity in inclined well. <i>Mechanism and Machine Theory</i> , 2011 , 46, 743-760	4	54
230	An experimental investigation of nonlinear vibration and frequency response analysis of cantilever viscoelastic beams. <i>Journal of Sound and Vibration</i> , 2008 , 311, 1409-1419	3.9	54
229	Dynamic characteristics and forced response of an electrostatically-actuated microbeam subjected to fluid loading. <i>Microsystem Technologies</i> , 2009 , 15, 1355-1363	1.7	51
228	Stability analysis of a capacitive fgm micro-beam using modified couple stress theory. <i>Acta Mechanica Solida Sinica</i> , 2013 , 26, 427-440	2	50
227	Modelling the Size Effects on the Mechanical Properties of Micro/Nano Structures. <i>Sensors</i> , 2015 , 15, 28543-62	3.8	50

226	Effects of axial and residual stresses on thermoelastic damping in capacitive micro-beam resonators. <i>Journal of the Franklin Institute</i> , 2011 , 348, 622-639	4	50
225	Grape Drying: A Review. <i>Food Reviews International</i> , 2007 , 23, 257-280	5.5	50
224	Broadband energy harvesting using nonlinear vibrations of a magnetopiezoelectric cantilever beam. <i>International Journal of Engineering Science</i> , 2017 , 111, 113-133	5.7	49
223	Effect of temperature on pull-in voltage and natural frequency of an electrostatically actuated microplate. <i>Mechatronics</i> , 2010 , 20, 666-673	3	49
222	Mechanical behavior of a circular micro plate subjected to uniform hydrostatic and non-uniform electrostatic pressure. <i>Microsystem Technologies</i> , 2007 , 14, 235-240	1.7	48
221	Primary and parametric resonances of asymmetrical rotating shafts with stretching nonlinearity. <i>Mechanism and Machine Theory</i> , 2012 , 51, 131-144	4	46
220	Primary resonances of a nonlinear in-extensional rotating shaft. <i>Mechanism and Machine Theory</i> , 2010 , 45, 1067-1081	4	46
219	Rotary inertia and temperature effects on non-linear vibration, steady-state response and stability of an axially moving beam with time-dependent velocity. <i>International Journal of Mechanical Sciences</i> , 2008 , 50, 389-404	5.5	46
218	A comprehensive study of stability in an electro-statically actuated micro-beam. <i>International Journal of Non-Linear Mechanics</i> , 2013 , 48, 78-85	2.8	44
217	On the size-dependent behavior of a capacitive circular micro-plate considering the variable length-scale parameter. <i>International Journal of Mechanical Sciences</i> , 2013 , 77, 333-342	5.5	44
216	Vibration attenuation of a continuous rotor-blisk-journal bearing system employing smooth nonlinear energy sinks. <i>Mechanical Systems and Signal Processing</i> , 2017 , 84, 128-157	7.8	44
215	Investigation of the torsion and bending effects on static stability of electrostatic torsional micromirrors. <i>Microsystem Technologies</i> , 2007 , 13, 715-722	1.7	43
214	Early fault detection of rotating machinery through chaotic vibration feature extraction of experimental data sets. <i>Chaos, Solitons and Fractals</i> , 2015 , 78, 61-75	9.3	42
213	Static and dynamic stability modeling of a capacitive FGM micro-beam in presence of temperature changes. <i>Applied Mathematical Modelling</i> , 2013 , 37, 6964-6978	4.5	42
212	Pull-in analysis of an electrostatically actuated nano-cantilever beam with nonlinearity in curvature and inertia. <i>International Journal of Mechanical Sciences</i> , 2011 , 53, 108-115	5.5	42
211	On the stability of a microbeam conveying fluid considering modified couple stress theory. <i>International Journal of Mechanics and Materials in Design</i> , 2011 , 7, 327-342	2.5	41
210	Broadband and tunable PZT energy harvesting utilizing local nonlinearity and tip mass effects. <i>International Journal of Engineering Science</i> , 2017 , 118, 1-15	5.7	40
209	Tuning the primary resonances of a micro resonator, using piezoelectric actuation. <i>Nonlinear Dynamics</i> , 2014 , 76, 839-852	5	40

208	Nonlinear vibration and stability analysis of axially loaded embedded carbon nanotubes conveying fluid. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 135112	3	40
207	AN ANALYTICAL APPROACH FOR OBTAINING THE LOCATION AND DEPTH OF AN ALL-OVER PART-THROUGH CRACK ON EXTERNALLY IN-PLANE LOADED RECTANGULAR PLATE USING VIBRATION ANALYSIS. <i>Journal of Sound and Vibration</i> , 2000 , 230, 291-308	3.9	39
206	Static and dynamic stabilities of a microbeam actuated by a piezoelectric voltage. <i>Microsystem Technologies</i> , 2009 , 15, 1785-1791	1.7	38
205	Vibration and instability of fluid-conveyed smart micro-tubes based on magneto-electro-elasticity beam model. <i>Microfluidics and Nanofluidics</i> , 2016 , 20, 1	2.8	37
204	Comparison of generalized differential quadrature and Galerkin methods for the analysis of micro-electro-mechanical coupled systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 2807-2816	3.7	37
203	Micro-inertia effects on the dynamic characteristics of micro-beams considering the couple stress theory. <i>Mechanics Research Communications</i> , 2014 , 60, 74-80	2.2	35
202	Coupled vibration of a cantilever micro-beam submerged in a bounded incompressible fluid domain. <i>Acta Mechanica</i> , 2013 , 224, 841-850	2.1	35
201	Non-linear free vibrations of Kelvin- ν oigt visco-elastic beams. <i>International Journal of Mechanical Sciences</i> , 2007 , 49, 722-732	5.5	35
200	Vibration attenuation of a rotor supported by journal bearings with nonlinear suspensions under mass eccentricity force using nonlinear energy sink. <i>Meccanica</i> , 2015 , 50, 2441-2460	2.1	34
199	Study of parametric oscillation of an electrostatically actuated microbeam using variational iteration method. <i>Applied Mathematical Modelling</i> , 2012 , 36, 430-443	4.5	34
198	Nonlinear vibration and stability analysis of a double-walled carbon nanotube under electrostatic actuation. <i>Journal of Sound and Vibration</i> , 2012 , 331, 2443-2456	3.9	33
197	Stick-slip oscillations of drag bits by considering damping of drilling mud and active damping system. <i>Journal of Petroleum Science and Engineering</i> , 2007 , 59, 289-299	4.4	33
196	Vibration and reliability of a rotating beam with random properties under random excitation. <i>International Journal of Mechanical Sciences</i> , 2007 , 49, 1377-1388	5.5	33
195	Dynamic response of a torsional micromirror to electrostatic force and mechanical shock. <i>Microsystem Technologies</i> , 2009 , 15, 535-545	1.7	32
194	Effect of thermal stresses on stability and frequency response of a capacitive microphone. <i>Microelectronics Journal</i> , 2010 , 41, 865-873	1.8	31
193	Nonlinear analysis of thermoelastic damping in axisymmetric vibration of micro circular thin-plate resonators. <i>Applied Mathematical Modelling</i> , 2012 , 36, 5991-6000	4.5	30
192	Vibration control of a rotor supported by journal bearings and an asymmetric high-static low-dynamic stiffness suspension. <i>Nonlinear Dynamics</i> , 2016 , 85, 525-545	5	29
191	Application of piezoelectric actuation to regularize the chaotic response of an electrostatically actuated micro-beam. <i>Nonlinear Dynamics</i> , 2013 , 73, 853-867	5	28

190	Stabilizing the pull-in instability of an electro-statically actuated micro-beam using piezoelectric actuation. <i>Applied Mathematical Modelling</i> , 2011 , 35, 4796-4815	4.5	28
189	Pure parametric excitation of a micro cantilever beam actuated by piezoelectric layers. <i>Applied Mathematical Modelling</i> , 2010 , 34, 4196-4207	4.5	28
188	Analysis of thermoelastic damping in microresonators by considering the stretching effect. <i>International Journal of Mechanical Sciences</i> , 2010 , 52, 1366-1375	5.5	28
187	Modeling and analysis of the vibration behavior of a shape memory alloy beam. <i>International Journal of Mechanical Sciences</i> , 2006 , 48, 44-52	5.5	28
186	Improving one class support vector machine novelty detection scheme using nonlinear features. <i>Pattern Recognition</i> , 2018 , 83, 14-33	7.7	27
185	Power enhancement of broadband piezoelectric energy harvesting using a proof mass and nonlinearities in curvature and inertia. <i>International Journal of Mechanical Sciences</i> , 2017 , 133, 227-239	5.5	27
184	Vibration mitigation of a rotating beam under external periodic force using a nonlinear energy sink (NES). <i>JVC/Journal of Vibration and Control</i> , 2017 , 23, 1001-1025	2	26
183	Free vibration analysis of a nonlinear slender rotating shaft with simply support conditions. <i>Mechanism and Machine Theory</i> , 2014 , 82, 128-140	4	26
182	On the modeling of a piezoelectrically actuated microsensor for simultaneous measurement of fluids viscosity and density. <i>Measurement: Journal of the International Measurement Confederation</i> , 2010 , 43, 1516-1524	4.6	26
181	Two-mode combination resonances of an in-extensional rotating shaft with large amplitude. <i>Nonlinear Dynamics</i> , 2011 , 65, 217-233	5	25
180	Pull-in Voltage of Electrostatically-Actuated Microbeams in Terms of Lumped Model Pull-in Voltage Using Novel Design Corrective Coefficients. <i>Sensing and Imaging</i> , 2011 , 12, 117-131	1.4	25
179	The effect of a piezoelectric layer on the mechanical behavior of an electrostatic actuated microbeam. <i>Smart Materials and Structures</i> , 2008 , 17, 065024	3.4	25
178	A new performance evaluation scheme for jet engine vibration signal denoising. <i>Mechanical Systems and Signal Processing</i> , 2016 , 76-77, 201-212	7.8	24
177	Nonlinear behaviour of electrostatically actuated carbon nanotube-based devices. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 315301	3	24
176	Mechanical behavior of a FGM micro-beam subjected to a nonlinear electrostatic pressure. <i>International Journal of Mechanics and Materials in Design</i> , 2012 , 8, 381-392	2.5	23
175	Combination resonances in a rotating shaft. <i>Mechanism and Machine Theory</i> , 2009 , 44, 1535-1547	4	23
174	Theoretical development and closed-form solution of nonlinear vibrations of a directly excited nanotube-reinforced composite cantilevered beam. <i>Archive of Applied Mechanics</i> , 2006 , 75, 153-163	2.2	23
173	Thermoelastic damping in a micro-beam resonator tunable with piezoelectric layers. <i>Acta Mechanica Sinica</i> , 2012 , 25, 73-81	2	22

172	A nonlocal shell theory model for evaluation of thermoelastic damping in the vibration of a double-walled carbon nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 57, 6-11	3	21
171	Design and performance analysis of a nanogyroscope based on electrostatic actuation and capacitive sensing. <i>Journal of Sound and Vibration</i> , 2013 , 332, 6155-6168	3.9	21
170	On the stability of a functionally graded rectangular micro-plate subjected to hydrostatic and nonlinear electrostatic pressures. <i>Acta Mechanica Solida Sinica</i> , 2013 , 26, 205-220	2	21
169	Stability analysis of a parametrically excited functionally graded piezoelectric, MEM system. <i>Current Applied Physics</i> , 2012 , 12, 456-466	2.6	21
168	Development of vibration signature analysis using multiwavelet systems. <i>Journal of Sound and Vibration</i> , 2003 , 261, 613-633	3.9	21
167	Analytical development of dynamic equations of motion for a three-dimensional flexible link manipulator with revolute and prismatic joints. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2003 , 33, 237-49		21
166	Stability analysis of a piezoelectrically actuated micro-pipe conveying fluid. <i>Microfluidics and Nanofluidics</i> , 2015 , 19, 577-584	2.8	20
165	Experimental and numerical investigation of rotational friction dampers with multi units in steel frames subjected to lateral excitation. <i>Archives of Civil and Mechanical Engineering</i> , 2015 , 15, 479-491	3.4	20
164	Nonlinear behavior of a nano-scale beam considering length scale-parameter. <i>Applied Mathematical Modelling</i> , 2014 , 38, 1881-1895	4.5	20
163	Annihilation of high-amplitude periodic responses of a forced two degrees-of-freedom oscillatory system using nonlinear energy sink. <i>JVC/Journal of Vibration and Control</i> , 2013 , 19, 2401-2412	2	20
162	Parametric resonances of an electrically actuated piezoelectric nanobeam resonator considering surface effects and intermolecular interactions. <i>Nonlinear Dynamics</i> , 2016 , 84, 1943-1960	5	19
161	Stability analysis of a nonlinear rotating asymmetrical shaft near the resonances. <i>Nonlinear Dynamics</i> , 2012 , 70, 1311-1325	5	19
160	Influence of dipping on thin-layer drying characteristics of seedless grapes. <i>Biosystems Engineering</i> , 2007 , 98, 411-421	4.8	19
159	Non-linear vibration and stability analysis of a partially supported conveyor belt by a distributed viscoelastic foundation. <i>Structural Engineering and Mechanics</i> , 2007 , 27, 17-32		19
158	Vibration control of a continuous rotating shaft employing high-static low-dynamic stiffness isolators. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 760-783	2	18
157	On a MEMS based dynamic remote temperature sensor using transverse vibration of a bi-layer micro-cantilever. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012 , 45, 580-589	4.6	18
156	On the modeling of a capacitive angular speed measurement sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013 , 46, 3976-3981	4.6	18
155	A comprehensive study on the free vibration of machine tools on hexapod table. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 40, 1239-1251	3.2	18

154	Closed form solution for displacements of thick cylinders with varying thickness subjected to non-uniform internal pressure. <i>Structural Engineering and Mechanics</i> , 2003 , 16, 731-748		18
153	Analytical study of mutual inductance of hexagonal and octagonal spiral planer coils. <i>Sensors and Actuators A: Physical</i> , 2016 , 247, 53-64	3.9	18
152	Bifurcation analysis of an electro-statically actuated micro-beam in the presence of centrifugal forces. <i>International Journal of Non-Linear Mechanics</i> , 2014 , 67, 7-15	2.8	17
151	Parametric excitation of a piezoelectrically actuated system near Hopf bifurcation. <i>Applied Mathematical Modelling</i> , 2012 , 36, 1529-1549	4.5	17
150	MECHANICAL BEHAVIOR OF A BI-LAYER CANTILEVER MICRO-BEAM SUBJECTED TO ELECTROSTATIC FORCE, MECHANICAL SHOCK AND THERMAL MOMENT. <i>International Journal of Applied Mechanics</i> , 2011 , 03, 543-561	2.4	17
149	Nonlinear vibration analysis of a spinning shaft with multi-disks. <i>Meccanica</i> , 2015 , 50, 2293-2307	2.1	16
148	Internal, combinational and sub-harmonic resonances of a nonlinear asymmetrical rotating shaft. <i>Nonlinear Dynamics</i> , 2015 , 79, 173-184	5	16
147	Dynamic stability and nonlinear vibration analysis of a rotor system with flexible/rigid blades. <i>Mechanism and Machine Theory</i> , 2016 , 105, 633-653	4	16
146	Effect of mass diffusion on the damping ratio in a functionally graded micro-beam. <i>Composite Structures</i> , 2013 , 106, 15-29	5.3	16
145	Analysis of non-linear vibrations of a microresonator under piezoelectric and electrostatic actuations. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2009 , 223, 329-344	1.3	16
144	Free vibration analysis of rotating beams with random properties. <i>Structural Engineering and Mechanics</i> , 2005 , 20, 293-312		16
143	Nonlinear analysis of electrostatically actuated diaphragm-type micropumps. <i>Nonlinear Dynamics</i> , 2016 , 83, 951-961	5	15
142	Hopf bifurcation analysis of asymmetrical rotating shafts. <i>Nonlinear Dynamics</i> , 2014 , 77, 1141-1155	5	15
141	Resonances of an in-extensional asymmetrical spinning shaft with speed fluctuations. <i>Meccanica</i> , 2013 , 48, 103-120	2.1	15
140	Nonlinear vibration of an electrically actuated microresonator tuned by combined DC piezoelectric and electric actuations. <i>Smart Materials and Structures</i> , 2010 , 19, 015012	3.4	15
139	A comprehensive model to study nonlinear behavior of multilayered micro beam switches. <i>Microsystem Technologies</i> , 2007 , 14, 135-141	1.7	15
138	Design and performance analysis of a nonlinear energy sink attached to a beam with different support conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016 , 230, 527-542	1.3	14
137	NEMS thermal switch operating based on thermal expansion of carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 59, 210-217	3	14

136	Self-excited oscillations attenuation of drill-string system using nonlinear energy sink. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013 , 227, 230-245	1.3	14
135	Nonlinear vibrations of micro-doubly curved shallow shells based on the modified couple stress theory. <i>Nonlinear Dynamics</i> , 2017 , 87, 2051-2065	5	14
134	Design and simulation of a carbon nanotube-based adjustable nano-electromechanical shock switch. <i>Applied Mathematical Modelling</i> , 2012 , 36, 2329-2339	4.5	14
133	Analysis of bias DC voltage effect on thermoelastic damping ratio in short nano-beam resonators based on nonlocal elasticity theory and dual-phase-lagging heat conduction model. <i>Meccanica</i> , 2015 , 50, 2963-2976	2.1	13
132	Thermo-elastic damping in a functionally graded piezoelectric micro-resonator. <i>International Journal of Mechanics and Materials in Design</i> , 2015 , 11, 357-369	2.5	13
131	Nonlinear behavior of capacitive micro-beams based on strain gradient theory. <i>Journal of Mechanical Science and Technology</i> , 2014 , 28, 1141-1151	1.6	13
130	Study of mechanical behavior of circular FGM micro-plates under nonlinear electrostatic and mechanical shock loadings. <i>Acta Mechanica</i> , 2012 , 223, 579-591	2.1	13
129	Axisymmetric Stress Analysis of a Thick Conical Shell with Varying Thickness under Nonuniform Internal Pressure. <i>Journal of Engineering Mechanics - ASCE</i> , 2008 , 134, 601-610	2.4	13
128	Dynamic Response of an Electrostatically Actuated Micro-Beam in an Incompressible Viscous Fluid Cavity. <i>Journal of Microelectromechanical Systems</i> , 2014 , 23, 555-562	2.5	12
127	Development of a capacitive angular velocity sensor for the alarm and trip applications. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015 , 63, 282-286	4.6	12
126	Gap Dependent Bifurcation Behavior of a Nano-Beam Subjected to a Nonlinear Electrostatic Pressure. <i>Latin American Journal of Solids and Structures</i> , 2014 , 11, 2426-2443	1.4	12
125	Nonlinear vibrations and chaos in electrostatic torsional actuators. <i>Nonlinear Analysis: Real World Applications</i> , 2011 , 12, 3572-3584	2.1	12
124	Design Optimization of a Double-Stage Resolver. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 5407-5415	6.8	11
123	Mutual inductance calculation between two coaxial planar spiral coils with an arbitrary number of sides. <i>Microelectronics Journal</i> , 2019 , 85, 98-108	1.8	11
122	Performance evaluation of a novel rotational damper for structural reinforcement steel frames subjected to lateral excitations. <i>Earthquake Engineering and Engineering Vibration</i> , 2014 , 13, 75-84	2	11
121	Stability Analysis and Transient Response of Electrostatically Actuated Microbeam Interacting With Bounded Compressible Fluids. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2013 , 80,	2.7	11
120	THERMALLY INDUCED VIBRATION OF A FUNCTIONALLY GRADED MICRO-BEAM SUBJECTED TO A MOVING LASER BEAM. <i>International Journal of Applied Mechanics</i> , 2014 , 06, 1450066	2.4	11
119	On the tunability of a MEMS based variable capacitor with a novel structure. <i>Microsystem Technologies</i> , 2011 , 17, 1447-1452	1.7	11

118	Analytical solution for primary resonances of a rotating shaft with stretching non-linearity. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2008 , 222, 1655-1664	1.3	11
117	Studying thin film damping in a micro-beam resonator based on non-classical theories. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016 , 32, 369-379	2	10
116	Stability and Bifurcation Analysis of an Asymmetrically Electrostatically Actuated Microbeam. <i>Journal of Computational and Nonlinear Dynamics</i> , 2015 , 10,	1.4	10
115	Nonlinear electrostatic behavior for two elastic parallel fixedfixed and cantilever microbeams. <i>Mechatronics</i> , 2009 , 19, 840-846	3	10
114	Improving response of a MEMS capacitive microphone filtering shock noise. <i>Microelectronics Journal</i> , 2011 , 42, 614-621	1.8	10
113	An innovative piezoelectric energy harvester using clampedclamped beam with proof mass for WSN applications. <i>Microsystem Technologies</i> , 2020 , 26, 3203-3211	1.7	10
112	On the modeling of a piezoellectrically actuated micro-sensor for measurement of microscale fluid physical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 121, 651-663	2.6	9
111	Coupled vibrations of a magneto-electro-elastic micro-diaphragm in micro-pumps. <i>Microfluidics and Nanofluidics</i> , 2016 , 20, 1	2.8	9
110	Effect of mass diffusion on the damping ratio in micro-beam resonators. <i>International Journal of Solids and Structures</i> , 2014 , 51, 3147-3155	3.1	9
109	Thermoelastic damping of a double-walled carbon nanotube under electrostatic force. <i>Micro and Nano Letters</i> , 2011 , 6, 698	0.9	9
108	On the modeling of a MEMS-based capacitive wall shear stress sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2009 , 42, 202-207	4.6	9
107	Design and implementation of an automatic condition-monitoring expert system for ball-bearing fault detection. <i>Industrial Lubrication and Tribology</i> , 2008 , 60, 93-100	1.3	9
106	Viscous fluid damping in a laterally oscillating finger of a comb-drive micro-resonator based on micro-polar fluid theory. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016 , 32, 397-405	2	8
105	On the Mathematical Modeling of a MEMS-Based Sensor for Simultaneous Measurement of Fluids Viscosity and Density. <i>Sensing and Imaging</i> , 2018 , 19, 1	1.4	8
104	Dynamic analysis of an electrostatically actuated circular micro-plate interacting with compressible fluid. <i>Acta Mechanica</i> , 2013 , 224, 2025-2035	2.1	8
103	The Influence of Stress Gradient on the Pull-in Phenomena of Microelectromechanical Switches. <i>Journal of Physics: Conference Series</i> , 2006 , 34, 1117-1122	0.3	8
102	Effects of the Length Scale Parameter on the Thermoelastic Damping of a Microbeam Considering the Couple Stress Theory. <i>International Journal of Applied Mechanics</i> , 2016 , 08, 1650083	2.4	8
101	A small size Ka band six-bit DMTL phase shifter using new design of MEMS switch. <i>Microsystem Technologies</i> , 2017 , 23, 1853-1866	1.7	7

100	Study of micropolar fluid flow inside a magnetohydrodynamic micropump. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017 , 39, 4955-4963	2	7
99	Study on the size dependent effective Young modulus by EPI method based on modified couple stress theory. <i>Microsystem Technologies</i> , 2018 , 24, 2983-2989	1.7	7
98	Fractional strain energy and its application to the free vibration analysis of a plate. <i>Microsystem Technologies</i> , 2019 , 25, 2229-2238	1.7	7
97	A comprehensive study of sound pressure in a finite-length fluid-filled multi-walled carbon nanotube. <i>Ultrasonics</i> , 2012 , 52, 655-62	3.5	7
96	Stability and torsional vibration analysis of a micro-shaft subjected to an electrostatic parametric excitation using variational iteration method. <i>Meccanica</i> , 2013 , 48, 259-274	2.1	7
95	Radial breathing mode frequencies of carbon nanotubes for determination of their diameters. <i>Current Applied Physics</i> , 2013 , 13, 599-609	2.6	7
94	Study of squeeze film damping in a micro-beam resonator based on micro-polar theory. <i>Latin American Journal of Solids and Structures</i> , 2015 , 12, 77-91	1.4	7
93	A new MEMS based variable capacitor with wide tunability, high linearity and low actuation voltage. <i>Microelectronics Journal</i> , 2015 , 46, 191-197	1.8	7
92	Modeling of the microstructure of carbon nanotube with two nonlocal elasticity theories. <i>Journal of Applied Physics</i> , 2012 , 111, 034315	2.5	7
91	Resonance analysis of gyroscopic nonlinear spinning shafts with parametric excitations and speed fluctuations. <i>International Journal of Mechanical Sciences</i> , 2012 , 64, 94-109	5.5	7
90	Nonlinear Vibrations of a Carbon Nanotube Resonator Under Electrical and van der Waals Forces. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011 , 8, 1527-1534	0.3	7
89	Electromechanical Behavior of Microbeams with Piezoelectric and Electrostatic Actuation. <i>Sensing and Imaging</i> , 2009 , 10, 15-30	1.4	7
88	NON-LINEAR FREE VIBRATION ANALYSIS OF A STRING UNDER BENDING MOMENT EFFECTS USING THE PERTURBATION METHOD. <i>Journal of Sound and Vibration</i> , 2002 , 254, 677-691	3.9	7
87	A global cartesian space obstacle avoidance scheme for redundant manipulators. <i>Optimal Control Applications and Methods</i> , 1991 , 12, 279-286	1.7	7
86	Nonlinear Vibrations of an Electrostatically Actuated Microresonator in an Incompressible Fluid Cavity Based on the Modified Couple Stress Theory. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016 , 11,	1.4	7
85	Parametric Thermally Induced Vibration of an Electrostatically Deflected FGM Micro-Beam. <i>International Journal of Applied Mechanics</i> , 2016 , 08, 1650092	2.4	7
84	Stability analysis of a capacitive micro-resonator with embedded pre-strained SMA wires. <i>International Journal of Mechanics and Materials in Design</i> , 2019 , 15, 681-693	2.5	7
83	An experimental study for characterization of size-dependence in microstructures via electrostatic pull-in instability technique. <i>Applied Physics Letters</i> , 2020 , 116, 244102	3.4	6

82	DESIGN, SIMULATION AND BIFURCATION ANALYSIS OF A NOVEL MICROMACHINED TUNABLE CAPACITOR WITH EXTENDED TUNABILITY. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2014 , 38, 15-29	1.1	6
81	Modeling of the Seedless Grape Drying Process using the Generalized Differential Quadrature Method. <i>Chemical Engineering and Technology</i> , 2007 , 30, 168-175	2	6
80	Nonlinear response of a resonant viscoelastic microbeam under an electrical actuation. <i>Structural Engineering and Mechanics</i> , 2010 , 35, 387-407		6
79	Dielectric Elastomer as a New Material for Electrostatically Actuated Microbeams: Stability Analysis. <i>International Journal of Applied Mechanics</i> , 2019 , 11, 1950098	2.4	6
78	A non-local fractional stress-strain gradient theory. <i>International Journal of Mechanics and Materials in Design</i> , 2020 , 16, 265-278	2.5	6
77	Mechanical behavior of a cylindrical capacitive micro - switch compared to a straight beam type. <i>Journal of Mechanical Science and Technology</i> , 2019 , 33, 2241-2248	1.6	5
76	On the mechanical behavior of a wide tunable capacitive MEMS resonator for low frequency energy harvesting applications. <i>Microsystem Technologies</i> , 2020 , 26, 2389-2398	1.7	5
75	Free vibration of membrane/bounded incompressible fluid. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2012 , 33, 1167-1178	3.2	5
74	Sloshing Response of Floating Roofed Liquid Storage Tanks Subjected to Earthquakes of Different Types. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2012 , 134,	1.2	5
73	Some Design Considerations on the Electrostatically Actuated Fixed-Fixed End Type MEMS Switches. <i>Journal of Physics: Conference Series</i> , 2006 , 34, 174-179	0.3	5
72	The Effect of Residual Stress on Pull-In Voltage of Fixed-Fixed End Type MEM Switches with Variative Electrostatic Area 2006 ,		5
71	A multiple scales method solution for the free and forced nonlinear transverse vibrations of rectangular plates. <i>Structural Engineering and Mechanics</i> , 2006 , 24, 543-560		5
70	A liquid-state high sensitive accelerometer based on a micro-scale liquid marble. <i>Microsystem Technologies</i> , 2020 , 26, 617-623	1.7	5
69	Frequency response of an electrostatically actuated micro resonator in contact with incompressible fluid. <i>Microsystem Technologies</i> , 2017 , 23, 2381-2391	1.7	4
68	Size-dependent dynamics of a FG Nanobeam near nonlinear resonances induced by heat. <i>Applied Mathematical Modelling</i> , 2020 , 86, 349-367	4.5	4
67	A new approach to the evaluation of Casimir and van der Waals forces in the transition region. <i>Chinese Journal of Physics</i> , 2018 , 56, 1133-1146	3.5	4
66	Nonlinear vibration of an electrostatically actuated micro-beam made of anelastic material considering compressible fluid media. <i>Nonlinear Dynamics</i> , 2018 , 94, 2665-2683	5	4
65	Investigation of nonlinear dynamic behavior of a capacitive carbon nano-tube based electromechanical switch considering van der Waals force. <i>Microsystem Technologies</i> , 2019 , 25, 461-475	1.7	4

64	Study of structural noise owing to nonlinear behavior of capacitive microphones. <i>Microelectronics Journal</i> , 2013 , 44, 1193-1200	1.8	4
63	Bifurcation Analysis of a Capacitive Micro-resonator Considering Non-local Elasticity Theory. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2014 , 15,	1.8	4
62	Importance of the flexural and membrane stiffnesses in large deflection analysis of floating roofs. <i>Applied Mathematical Modelling</i> , 2010 , 34, 2426-2436	4.5	4
61	An electrostatically actuated microsensor for determination of micropolar fluid physical properties. <i>Meccanica</i> , 2020 , 55, 2091-2106	2.1	4
60	Giant chimney for air ventilation of metropolises. <i>Atmospheric Pollution Research</i> , 2019 , 10, 462-473	4.5	4
59	A MEMS-based methodology for measurement of effective density and viscosity of nanofluids. <i>European Journal of Mechanics, B/Fluids</i> , 2021 , 86, 67-77	2.4	4
58	Effect of Length-scale Parameter on Pull-in Voltage and Natural Frequency of a Micro-plate. <i>International Journal of Engineering, Transactions B: Applications</i> , 2014 , 27,	1.9	3
57	Effect of the open crack on the pull-in instability of an electrostatically actuated micro-beam. <i>Acta Mechanica Sinica</i> , 2012 , 25, 627-637	2	3
56	The Effect of Squeeze-Film Damping on Suppressing the Shock Response of MEMS 2009 ,		3
55	Position and velocity control of a flexible joint robot manipulator via a fuzzy controller based on singular perturbation analysis		3
54	Modelling Fluid Loss Faults in an Industrial Pressure Sensor 2020 ,		3
53	Non-linear vibration and stability analysis of an axially moving rotor in sub-critical transporting speed range. <i>Structural Engineering and Mechanics</i> , 2010 , 34, 507-523		3
52	An analytical study on the nonlinear vibration of a double-walled carbon nanotube. <i>Structural Engineering and Mechanics</i> , 2015 , 54, 987-998		3
51	Measurement of a micro-scale fluid physical properties using torsional vibration of a micro shaft. <i>Modelling, Measurement and Control B: Solid and Fluid Mechanics and Thermics, Mechanical Systems</i> , 2018 , 87, 257-265	1	3
50	STATIC AND DYNAMIC RESPONSE OF CARBON NANOTUBE-BASED NANO-TWEEZERS. <i>International Journal of Engineering, Transactions B: Applications</i> , 2011 , 24, 377-386	1.9	3
49	Designing and analyzing of a piezoelectric energy harvester with tunable system natural frequency for WSN and biosensing applications. <i>Microsystem Technologies</i> , 2019 , 25, 2493-2500	1.7	3
48	Nonlinear Instability Modeling of a Nonlocal Strain Gradient Functionally Graded Capacitive Nano-Bridge in Thermal Environment. <i>International Journal of Applied Mechanics</i> , 2018 , 10, 1850083	2.4	3
47	Design and simulation of a MEMS analog micro-mirror with improved rotation angle. <i>Microsystem Technologies</i> , 2019 , 25, 1099-1109	1.7	2

46	Effects of squeeze film damping on a clamped-clamped beam MEMS filter. <i>Journal of Micro-Bio Robotics</i> , 2013 , 8, 83-90	1.4	2
45	Effects of Ohmic Resistance on Dynamic Characteristics and Impedance of Micro/Nano Cantilever Beam resonators. <i>Sensing and Imaging</i> , 2013 , 14, 1-12	1.4	2
44	Investigation of the Free Vibrations of Composite Anisogrid Lattice Conical Shells Formed by Geodesically Spiral and Circumferential Ribs. <i>International Journal of Applied Mechanics</i> , 2017 , 09, 1750047	2.7	2
43	A novel four layer switch reluctance generator 2012 ,		2
42	Pull-In Analysis of a Nonlinear Viscoelastic Nanocomposite Microplate Under an Electrostatic Actuation. <i>Journal of Mechanics</i> , 2012 , 28, 179-189	1	2
41	A novel technique for stress gradient measurement of electrostatic MEM switches and non ideal anchor effects. <i>Analog Integrated Circuits and Signal Processing</i> , 2010 , 62, 43-50	1.2	2
40	Investigation of the Torsion and Bending effects on Static Stability of Electrostatic Torsional Micromirrors 2006 ,		2
39	Pull-In Phenomenon Investigation of Nanoelectromechanical Systems. <i>Journal of Physics: Conference Series</i> , 2006 , 34, 1123-1126	0.3	2
38	Design and simulation of simple and varying section cantilever and fixed-fixed end types MEMS switches 2004 ,		2
37	State Estimation of MEMs Capacitor Using Taylor Expansion. <i>International Journal of Engineering, Transactions B: Applications</i> , 2015 , 28,	1.9	2
36	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	4.6	2
35	Nonlinear static pull-in instability analysis of smart nano-switch considering flexoelectric and surface effects via DQM. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 095440622199748	1.3	2
34	Mechanical analysis of ultrasonic flow meter based on Doppler effect 2016 ,		2
33	Stability analysis of an electrostatically actuated out of plane MEMS structure. <i>Microsystem Technologies</i> , 2019 , 25, 3387-3397	1.7	2
32	A new two-layer passive micromixer design based on SAR-vortex principles. <i>International Journal of Chemical Reactor Engineering</i> , 2021 , 19, 309-329	1.2	2
31	Mechanical Behavior of a Capacitive Tunable Ultrasound Transducer for Bio Diagnostic Application 2018 ,		2
30	Facilitating Displacement of a Micro-scale Liquid Marble Using Electric Fields. <i>Sensing and Imaging</i> , 2019 , 20, 1	1.4	1
29	Studying Torsional Vibration of a Micro-shaft in a Micro-scale Fluid Media based on Non-classical Theories. <i>Latin American Journal of Solids and Structures</i> , 2019 , 16,	1.4	1

28	Primary and Secondary Resonance of Micro-resonators Based on Couple Stress Theory. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019 , 43, 443-456	1.2	1
27	Analytical study of acceleration waves on a nonlinear, externally damped string. <i>Acta Mechanica</i> , 2015 , 226, 4087-4097	2.1	1
26	A Novel Micro-cantilever Based Angular Speed Sensor Controlled Piezoelectrically and Tuned by Electrostatic Actuators. <i>Sensing and Imaging</i> , 2015 , 16, 1	1.4	1
25	Thin hard crest on the edge of ceramic acetabular liners accelerates wear in edge loading. <i>Journal of Arthroplasty</i> , 2012 , 27, 150-2	4.4	1
24	Some design parameters and corrective factors of nano-electromechanical devices. <i>Journal of Micro-Nano Mechatronics</i> , 2011 , 6, 59-63		1
23	On the Design of a Micro Switch to Use as an Airbag Activator 2010 ,		1
22	Thermo-elastic Damping in Nano-beam Resonators Based on Nonlocal Theory. <i>International Journal of Engineering, Transactions B: Applications</i> , 2012 , 26,	1.9	1
21	Analysis of deflection, natural frequency and damping of microactuators reinforced by SWCNT under electric actuation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 43, 487-493	3	1
20	A Comparison Simulation of Fixed-fixed Type MEMS Switches. <i>Journal of Physics: Conference Series</i> , 2006 , 34, 500-505	0.3	1
19	Equations of Nonlinear Motion of Viscoelastic Beams 2005 , 231		1
18	Investigation of Interface Oil Insufficiency in a Strain Gauge Type Pressure Sensor. <i>Sensing and Imaging</i> , 2022 , 23, 1	1.4	1
17	Investigating Static and Dynamic Behavior of the Strain Gauge Type Pressure Sensor in Exposure to Thermal Stresses. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	1
16	Mechanical analysis of a tunable capacitive ultrasound transducer using higher order gradient theory. <i>Applied Mathematical Modelling</i> , 2022 , 102, 564-577	4.5	1
15	Active Control of A Piston-Type Absorbing Wavemaker with Fully Reflective Structure. <i>China Ocean Engineering</i> , 2020 , 34, 730-737	1.1	1
14	An Accurate Study on Capacitive Microphone with Circular Diaphragm Using a Higher Order Elasticity Theory. <i>Latin American Journal of Solids and Structures</i> , 2016 , 13, 590-609	1.4	1
13	Application of Solar Chimney for Pest Control in Agricultural Crops. <i>Journal of Biosystems Engineering</i> , 2019 , 44, 269-275	1.1	1
12	Estimating the effective quality factor of a rotary comb-drive microresonator based on a non-classical theory. <i>Microsystem Technologies</i> , 2021 , 27, 3533-3543	1.7	1
11	Adaptive under-actuated control for capacitive micro-machined ultrasonic transducer based on an accurate nonlinear modeling. <i>Nonlinear Dynamics</i> ,1	5	1

10	Bifurcation Analysis of an Electro-Staticly Actuated Nano-beam Based on the Nonlocal Theory considering Centrifugal Forces. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2020 , 21, 303-318	1.8	o
9	Thermo-vibrational analyses of skin tissue subjected to laser heating source in thermal therapy. <i>Scientific Reports</i> , 2021 , 11, 22633	4.9	o
8	A modified design for hydraulic engine mount to improve its vibrational performance. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021 , 095440622110000	1.3	o
7	A bottom mounted wavemaker in water wave flumes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2021 , 59, 662-669	1.9	o
6	Super Sensitive Mass Detection in Nonlinear Regime. <i>Sensing and Imaging</i> , 2015 , 16, 1	1.4	
5	Application of the Electrostatic Micro-Speakers for Producing Audible Directional Sound. <i>International Journal of Applied Mechanics</i> , 2020 , 12, 2050045	2.4	
4	DE-based capacitive micro-speakers for generating directional audible sound. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020 , 234, 1325-1334	1.3	o
3	Investigating two-dimensional mechanical and thermal behavior of skin tissue in confronting with various laser irradiation. <i>International Journal of Thermal Sciences</i> , 2022 , 172, 107366	4.1	
2	A comparative analysis of efficiency and reliability of capacitive micro-switches with initially curved electrodes. <i>Microsystem Technologies</i> , 2020 , 26, 537-545	1.7	
1	Analyzing the effect of existing bubbles in the interface liquid on the dynamic response of the strain-gauge type pressure sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 196, 111255	4.6	