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List of Publications by Year in Descending Order

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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	Investigation of Interface Oil Insufficiency in a Strain Gauge Type Pressure Sensor. <i>Sensing and Imaging</i> , 2022 , 23, 1	1.4	1
242	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	
241	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
240	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	
239	Thermo-vibrational analyses of skin tissue subjected to laser heating source in thermal therapy. <i>Scientific Reports</i> , 2021 , 11, 22633	4.9	0
238	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
237	A bottom mounted wavemaker in water wave flumes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2021 , 59, 662-669	1.9	0
236	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
235	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
234	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
233	Application of the Electrostatic Micro-Speakers for Producing Audible Directional Sound. <i>International Journal of Applied Mechanics</i> , 2020 , 12, 2050045	2.4	
232	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
231	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	3
230	Bifurcation Analysis of an Electro-Statically 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	0
229	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
228	Modelling Fluid Loss Faults in an Industrial Pressure Sensor 2020 ,		3
227	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

226	An electrostatically actuated microsensors for determination of micropolar fluid physical properties. <i>Meccanica</i> , 2020 , 55, 2091-2106	2.1	4
225	Active Control of A Piston-Type Absorbing Wavemaker with Fully Reflective Structure. <i>China Ocean Engineering</i> , 2020 , 34, 730-737	1.1	1
224	An innovative piezoelectric energy harvester using clamped-clamped beam with proof mass for WSN applications. <i>Microsystem Technologies</i> , 2020 , 26, 3203-3211	1.7	10
223	A liquid-state high sensitive accelerometer based on a micro-scale liquid marble. <i>Microsystem Technologies</i> , 2020 , 26, 617-623	1.7	5
222	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
221	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	
220	Facilitating Displacement of a Micro-scale Liquid Marble Using Electric Fields. <i>Sensing and Imaging</i> , 2019 , 20, 1	1.4	1
219	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
218	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
217	Design Optimization of a Double-Stage Resolver. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 5407-5415	6.8	11
216	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
215	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
214	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
213	Design and simulation of a MEMS analog micro-mirror with improved rotation angle. <i>Microsystem Technologies</i> , 2019 , 25, 1099-1109	1.7	2
212	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
211	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
210	Application of Solar Chimney for Pest Control in Agricultural Crops. <i>Journal of Biosystems Engineering</i> , 2019 , 44, 269-275	1.1	1
209	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

208	Stability analysis of an electrostatically actuated out of plane MEMS structure. <i>Microsystem Technologies</i> , 2019 , 25, 3387-3397	1.7	2
207	Giant chimney for air ventilation of metropolises. <i>Atmospheric Pollution Research</i> , 2019 , 10, 462-473	4.5	4
206	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
205	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
204	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
203	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
202	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
201	Improving one class support vector machine novelty detection scheme using nonlinear features. <i>Pattern Recognition</i> , 2018 , 83, 14-33	7.7	27
200	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
199	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
198	Mechanical Behavior of a Capacitive Tunable Ultrasound Transducer for Bio Diagnostic Application 2018 ,		2
197	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
196	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
195	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
194	Frequency response of an electrostatically actuated micro resonator in contact with incompressible fluid. <i>Microsystem Technologies</i> , 2017 , 23, 2381-2391	1.7	4
193	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
192	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
191	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

190	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
189	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	2.4	2
188	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
187	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
186	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
185	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
184	Vibration control of a nonlinear beam with a nonlinear energy sink. <i>Nonlinear Dynamics</i> , 2016 , 83, 1-22	5	73
183	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
182	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
181	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
180	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
179	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
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	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
176	Coupled vibrations of a magneto-electro-elastic micro-diaphragm in micro-pumps. <i>Microfluidics and Nanofluidics</i> , 2016 , 20, 1	2.8	9
175	Nonlinear analysis of electrostatically actuated diaphragm-type micropumps. <i>Nonlinear Dynamics</i> , 2016 , 83, 951-961	5	15
174	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
173	Mechanical analysis of ultrasonic flow meter based on Doppler effect 2016 ,		2

172	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
171	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
170	Parametric Thermally Induced Vibration of an Electrostatically Deflected FGM Micro-Beam. <i>International Journal of Applied Mechanics</i> , 2016 , 08, 1650092	2.4	7
169	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
168	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
167	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
166	Stability analysis of a piezoelectrically actuated micro-pipe conveying fluid. <i>Microfluidics and Nanofluidics</i> , 2015 , 19, 577-584	2.8	20
165	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
164	Nonlinear vibration analysis of a spinning shaft with multi-disks. <i>Meccanica</i> , 2015 , 50, 2293-2307	2.1	16
163	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
162	Super Sensitive Mass Detection in Nonlinear Regime. <i>Sensing and Imaging</i> , 2015 , 16, 1	1.4	
161	On the modeling of a piezoelectrically 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
160	Internal, combinational and sub-harmonic resonances of a nonlinear asymmetrical rotating shaft. <i>Nonlinear Dynamics</i> , 2015 , 79, 173-184	5	16
159	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
158	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
157	Modelling the Size Effects on the Mechanical Properties of Micro/Nano Structures. <i>Sensors</i> , 2015 , 15, 28543-62	3.8	50
156	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
155	Analytical study of acceleration waves on a nonlinear, externally damped string. <i>Acta Mechanica</i> , 2015 , 226, 4087-4097	2.1	1

154	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
153	Stability and Bifurcation Analysis of an Asymmetrically Electrostatically Actuated Microbeam. <i>Journal of Computational and Nonlinear Dynamics</i> , 2015 , 10,	1.4	10
152	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
151	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
150	An analytical study on the nonlinear vibration of a double-walled carbon nanotube. <i>Structural Engineering and Mechanics</i> , 2015 , 54, 987-998		3
149	State Estimation of MEMs Capacitor Using Taylor Expansion. <i>International Journal of Engineering, Transactions B: Applications</i> , 2015 , 28,	1.9	2
148	Nonlinear behavior of a nano-scale beam considering length scale-parameter. <i>Applied Mathematical Modelling</i> , 2014 , 38, 1881-1895	4.5	20
147	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
146	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
145	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
144	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
143	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
142	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
141	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
140	Hopf bifurcation analysis of asymmetrical rotating shafts. <i>Nonlinear Dynamics</i> , 2014 , 77, 1141-1155	5	15
139	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
138	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
137	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

136	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
135	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
134	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
133	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
132	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
131	Tuning the primary resonances of a micro resonator, using piezoelectric actuation. <i>Nonlinear Dynamics</i> , 2014 , 76, 839-852	5	40
130	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
129	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
128	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
127	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
126	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
125	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
124	Dynamic analysis of an electrostatically actuated circular micro-plate interacting with compressible fluid. <i>Acta Mechanica</i> , 2013 , 224, 2025-2035	2.1	8
123	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
122	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
121	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
120	Study of structural noise owing to nonlinear behavior of capacitive microphones. <i>Microelectronics Journal</i> , 2013 , 44, 1193-1200	1.8	4
119	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

118	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
117	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
116	Radial breathing mode frequencies of carbon nanotubes for determination of their diameters. <i>Current Applied Physics</i> , 2013 , 13, 599-609	2.6	7
115	Resonances of an in-extensional asymmetrical spinning shaft with speed fluctuations. <i>Meccanica</i> , 2013 , 48, 103-120	2.1	15
114	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
113	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
112	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
111	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
110	Thermoelastic damping in a micro-beam resonator tunable with piezoelectric layers. <i>Acta Mechanica Solida Sinica</i> , 2012 , 25, 73-81	2	22
109	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
108	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
107	Nonlinear vibration control of a cantilever beam by a nonlinear energy sink. <i>Mechanism and Machine Theory</i> , 2012 , 50, 134-149	4	60
106	Primary and parametric resonances of asymmetrical rotating shafts with stretching nonlinearity. <i>Mechanism and Machine Theory</i> , 2012 , 51, 131-144	4	46
105	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
104	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
103	Stability analysis of a nonlinear rotating asymmetrical shaft near the resonances. <i>Nonlinear Dynamics</i> , 2012 , 70, 1311-1325	5	19
102	Free vibration of membrane/bounded incompressible fluid. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2012 , 33, 1167-1178	3.2	5
101	Modeling of the microstructure of carbon nanotube with two nonlocal elasticity theories. <i>Journal of Applied Physics</i> , 2012 , 111, 034315	2.5	7

100	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
99	Effect of the open crack on the pull-in instability of an electrostatically actuated micro-beam. <i>Acta Mechanica Solida Sinica</i> , 2012 , 25, 627-637	2	3
98	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
97	A novel four layer switch reluctance generator 2012 ,		2
96	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
95	Thermoelastic damping in a micro-beam resonator using modified couple stress theory. <i>Acta Mechanica</i> , 2012 , 223, 1137-1152	2.1	77
94	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
93	Stability analysis of a parametrically excited functionally graded piezoelectric, MEM system. <i>Current Applied Physics</i> , 2012 , 12, 456-466	2.6	21
92	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
91	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
90	Parametric excitation of a piezoelectrically actuated system near Hopf bifurcation. <i>Applied Mathematical Modelling</i> , 2012 , 36, 1529-1549	4.5	17
89	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
88	Pull-In Analysis of a Nonlinear Viscoelastic Nanocomposite Microplate Under an Electrostatic Actuation. <i>Journal of Mechanics</i> , 2012 , 28, 179-189	1	2
87	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
86	Nonlinear vibrations and chaos in electrostatic torsional actuators. <i>Nonlinear Analysis: Real World Applications</i> , 2011 , 12, 3572-3584	2.1	12
85	Thermoelastic damping of a double-walled carbon nanotube under electrostatic force. <i>Micro and Nano Letters</i> , 2011 , 6, 698	0.9	9
84	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
83	Some design parameters and corrective factors of nano-electromechanical devices. <i>Journal of Micro-Nano Mechatronics</i> , 2011 , 6, 59-63		1

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