

# Li-Qun Chen

## 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.

369  
papers

7,433  
citations

43  
h-index

61  
g-index

386  
ext. papers

9,250  
ext. citations

3.5  
avg, IF

7.01  
L-index

#	Paper	IF	Citations
369	Optimization of a Quasi-zero-Stiffness Isolator via Oblique Beams. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 394-408	0.2	0
368	Research on a Limited NES with Forced Vibration. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 113-126	0.2	1
367	Performance evaluation and design criterion of a nonlinear energy sink. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 169, 108770	7.8	1
366	Belt Model <b>2022</b> , 173-219		
365	Control of Axially Moving Strings and Beams <b>2022</b> , 125-172		
364	Plate Model <b>2022</b> , 233-263		
363	Control of Axially Moving Belts <b>2022</b> , 221-232		
362	Beam Model <b>2022</b> , 53-123		
361	String Model <b>2022</b> , 13-51		
360	Control of Axially Moving Plates and Membranes <b>2022</b> , 265-272		
359	Experimental characteristics and coupled nonlinear forced vibrations of axially travelling hyperelastic beams. <i>Thin-Walled Structures</i> , <b>2022</b> , 170, 108526	4.7	3
358	A high-static-low-dynamics stiffness vibration isolator via an elliptical ring. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 162, 108061	7.8	4
357	Internal Resonances of a Rotating Pre-deformed Blade Under a Harmonic Gas Pressure <b>2022</b> , 783-793		
356	Critical velocity and supercritical natural frequencies of fluid-conveying pipes with retaining clips. <i>International Journal of Mechanical Sciences</i> , <b>2022</b> , 222, 107254	5.5	0
355	Exploiting self-tuning tristable to improve energy capture from shape memory oscillator. <i>Journal of Energy Storage</i> , <b>2022</b> , 51, 104469	7.8	1
354	Singularity analysis on vibration reduction of a nonlinear energy sink system. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 173, 109074	7.8	0
353	Energy harvesting of a fluid-conveying piezoelectric pipe. <i>Applied Mathematical Modelling</i> , <b>2022</b> , 107, 165-181	4.5	2

352	Effects of weights on vibration suppression via a nonlinear energy sink under vertical stochastic excitations. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 173, 109073	7.8	0
351	Rotational nonlinear double-beam energy harvesting. <i>Smart Materials and Structures</i> , <b>2022</b> , 31, 025020	3.4	17
350	Attitude Control of Spherical Liquid-Filled Spacecraft Based on High-Order Fully Actuated System Approaches. <i>Journal of Systems Science and Complexity</i> , <b>2022</b> , 35, 471-480	1	1
349	Interaction effects of driving amplitudes and frequencies on transitivity in a granular chain. <i>Journal of Sound and Vibration</i> , <b>2022</b> , 116966	3.9	0
348	Analysis of a bio-inspired vibration isolator with a compliant limb-like structure. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 179, 109348	7.8	0
347	Nonlinear Vibration Isolation via a NiTiNOL Wire Rope. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10032	2.6	0
346	Nonlinear normal modes and optimization of a square root nonlinear energy sink. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 1069-1096	5	4
345	Non-trivial equilibriums and natural frequencies of a slightly curved pipe conveying supercritical fluid. <i>Ocean Engineering</i> , <b>2021</b> , 227, 108899	3.9	7
344	Dynamics and performance evaluation of a self-tuning multistable shape memory energy harvester. <i>European Physical Journal Plus</i> , <b>2021</b> , 136, 1	3.1	3
343	Bending vibration control of pipes conveying fluids by nonlinear torsional absorbers at the boundary. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 1690-1704	3.5	1
342	Nonlinear dynamic response of a wire rope isolator: Experiment, identification and validation. <i>Engineering Structures</i> , <b>2021</b> , 238, 112121	4.7	3
341	A nonlinear stiffness and nonlinear inertial vibration isolator. <i>JVC/Journal of Vibration and Control</i> , <b>2021</b> , 27, 1336-1352	2	10
340	Vibration isolation and energy harvesting integrated in a Stewart platform with high static and low dynamic stiffness. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 89, 249-267	4.5	36
339	A dynamic reconfigurable nonlinear energy sink. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 494, 115629	3.9	13
338	Dynamic analysis of uncertain spur gear systems. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 150, 107280	7.8	9
337	Dynamic stability of an axially transporting beam with two-frequency parametric excitation and internal resonance. <i>European Journal of Mechanics, A/Solids</i> , <b>2021</b> , 85, 104084	3.7	3
336	A lever-enhanced nonlinear energy sink absorber harvesting vibratory energy via giant magnetostrictive-piezoelectricity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2021</b> , 95, 105620	3.7	17
335	The Scheme to Determine the Convergence Term of the Galerkin Method for Dynamic Analysis of Sandwich Plates on Nonlinear Foundations. <i>Acta Mechanica Solida Sinica</i> , <b>2021</b> , 34, 1-11	2	5

334	Dynamic effect of constant inertial acceleration on vibration isolation system with high-order stiffness and Bouc-Wen hysteresis. <i>Nonlinear Dynamics</i> , <b>2021</b> , 103, 2227-2240	5	2
333	Nonlinear vibration suppression of composite laminated beam embedded with NiTiNOL-steel wire ropes. <i>Nonlinear Dynamics</i> , <b>2021</b> , 103, 2391-2407	5	2
332	Vibration suppression of an elastic beam with boundary inerter-enhanced nonlinear energy sinks. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2021</b> , 37, 387-401	2	10
331	An approximate method for pipes conveying fluid with strong boundaries. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 505, 116157	3.9	6
330	A dual-functional metamaterial for integrated vibration isolation and energy harvesting. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 509, 116251	3.9	37
329	Two forms of the discrete equations and the Noether theorems for nonautonomous Birkhoffian systems. <i>Analysis and Mathematical Physics</i> , <b>2021</b> , 11, 1	1.3	1
328	A ring vibration isolator enhanced by a nonlinear energy sink. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 508, 116201	3.9	10
327	Numerical and experimental evidence of topological interface state in a periodic acoustic black hole. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 514, 116432	3.9	5
326	Integration of vibration control and energy harvesting for whole-spacecraft: Experiments and theory. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 161, 107956	7.8	3
325	A ring vibration isolator enhanced by shape memory pseudoelasticity. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 100, 1-15	4.5	3
324	Dynamics Analysis of Active Variable Stiffness Vibration Isolator for Whole-Spacecraft Systems Based on Nonlinear Output Frequency Response Functions. <i>Acta Mechanica Solida Sinica</i> , <b>2020</b> , 33, 731-743	7.43	2
323	Improving energy harvesting by internal resonance in a spring-pendulum system. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2020</b> , 36, 618-623	2	18
322	Subharmonic and Combination Resonance of Rotating Pre-deformed Blades Subjected to High Gas Pressure. <i>Acta Mechanica Solida Sinica</i> , <b>2020</b> , 33, 635-649	2	5
321	Nonlinear Vibrations of Thermo-Hyperelastic Moderately Thick Cylindrical Shells with 2:1 Internal Resonance. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2050067	1.9	6
320	Gravitational effects and mode interactions of vertical cantilever beams. <i>International Journal of Non-Linear Mechanics</i> , <b>2020</b> , 123, 103493	2.8	2
319	Convergent term of the Galerkin truncation for dynamic response of sandwich beams on nonlinear foundations. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 483, 115514	3.9	5
318	Designs, analysis, and applications of nonlinear energy sinks. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 3061-3107	5	64
317	Bursting vibration-based energy harvesting. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 3043-3060	5	14

316	Internal resonance and stress distribution of pipes conveying fluid in supercritical regime. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 186, 105900	5.5	8
315	Double Jump Broadband Energy Harvesting in a Helmholtz-Duffing Oscillator. <i>Journal of Vibration Engineering and Technologies</i> , <b>2020</b> , 8, 893-908	2	8
314	Suppression of multiple modal resonances of a cantilever beam by an impact damper. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2020</b> , 41, 383-400	3.2	18
313	Two-span piezoelectric beam energy harvesting. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 175, 105532	5.5	23
312	Dynamic effect of internal resonance caused by gravity on the nonlinear vibration of vertical cantilever beams. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 474, 115265	3.9	12
311	Nonlinear vibration effects on the fatigue life of fluid-conveying pipes composed of axially functionally graded materials. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 1091-1104	5	16
310	Primary and super-harmonic resonances of Timoshenko pipes conveying high-speed fluid. <i>Ocean Engineering</i> , <b>2020</b> , 203, 107258	3.9	10
309	A bio-inspired isolator based on characteristics of quasi-zero stiffness and bird multi-layer neck. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 145, 106967	7.8	33
308	Nonlinear vibrations of a slightly curved beam with nonlinear boundary conditions. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 168, 105294	5.5	28
307	Nonlinear vibration absorption of laminated composite beams in complex environment. <i>Nonlinear Dynamics</i> , <b>2020</b> , 99, 2605-2622	5	11
306	An approximate method for one-dimensional structures with strong nonlinear and nonhomogenous boundary conditions. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 469, 115128	3.9	5
305	Nonlinear vibration isolation via a circular ring. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 136, 106490	4.9	53
304	Vibration reduction evaluation of a linear system with a nonlinear energy sink under a harmonic and random excitation. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2020</b> , 41, 1-14	3.2	22
303	Integrated vibration isolation and energy harvesting via a bistable piezo-composite plate. <i>JVC/Journal of Vibration and Control</i> , <b>2020</b> , 26, 779-789	2	16
302	Averaging analysis on a semi-active inerter-based suspension system with relative-acceleration/relative-velocity control. <i>JVC/Journal of Vibration and Control</i> , <b>2020</b> , 26, 1199-1215	2	17
301	Three to one internal resonances of a pre-deformed rotating beam with quadratic and cubic nonlinearities. <i>International Journal of Non-Linear Mechanics</i> , <b>2020</b> , 126, 103552	2.8	9
300	Broadband energy harvesting based on one-to-one internal resonance. <i>Chinese Physics B</i> , <b>2020</b> , 29, 100503	3	11
299	Dynamic performance analysis of a mixed-connected inerter-based quasi-zero stiffness vibration isolator. <i>Structural Control and Health Monitoring</i> , <b>2020</b> , 27, e2604	4.5	5

298	A suspension system with quasi-zero stiffness characteristics and inerter nonlinear energy sink. <i>JVC/Journal of Vibration and Control</i> , <b>2020</b> , 107754632097290	2	7
297	Elimination of multimode resonances of composite plate by inertial nonlinear energy sinks. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 135, 106383	7.8	45
296	Direct Multiscale Analysis of Stability of an Axially Moving Functionally Graded Beam with Time-Dependent Velocity. <i>Acta Mechanica Solida Sinica</i> , <b>2020</b> , 33, 150-163	2	6
295	Internal resonance in parametric vibrations of axially accelerating viscoelastic plates. <i>European Journal of Mechanics, A/Solids</i> , <b>2019</b> , 75, 142-155	3.7	10
294	Nonlinear vibration analysis of a circular composite plate harvester via harmonic balance. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2019</b> , 35, 912-925	2	15
293	Parametric and internal resonance of a transporting plate with a varying tension. <i>Nonlinear Dynamics</i> , <b>2019</b> , 98, 2491-2508	5	4
292	Nonlinear frequencies and forced responses of pipes conveying fluid via a coupled Timoshenko model. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 455, 241-255	3.9	20
291	Dynamic stiffness method for free vibration of an axially moving beam with generalized boundary conditions. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2019</b> , 40, 911-924	3.2	14
290	Discrete symmetrical perturbation and variational algorithm of disturbed Lagrangian systems. <i>Chinese Physics B</i> , <b>2019</b> , 28, 030201	1.2	2
289	Dynamic effects of weights on vibration reduction by a nonlinear energy sink moving vertically. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 451, 99-119	3.9	20
288	An inertial nonlinear energy sink. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 450, 199-213	3.9	42
287	Stress distribution and fatigue life of nonlinear vibration of an axially moving beam. <i>Science China Technological Sciences</i> , <b>2019</b> , 62, 1123-1133	3.5	8
286	A multifunctional lattice sandwich structure with energy harvesting and nonlinear vibration control. <i>Composite Structures</i> , <b>2019</b> , 221, 110875	5.3	22
285	Vibration of axially moving hyperelastic beam with finite deformation. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 71, 269-285	4.5	18
284	Passive Isolation by Nonlinear Boundaries for Flexible Structures. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2019</b> , 141,	1.6	5
283	The evaluation of a nonlinear energy sink absorber based on the transmissibility. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 125, 99-122	7.8	41
282	Jump-based estimation for nonlinear stiffness and damping parameters. <i>JVC/Journal of Vibration and Control</i> , <b>2019</b> , 25, 325-335	2	11
281	Nonlinear energy sink with inerter. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 125, 52-64	7.8	67

280	Energy harvesting via nonlinear energy sink for whole-spacecraft. <i>Science China Technological Sciences</i> , <b>2019</b> , 62, 1483-1491	3.5	21
279	Parametric Influence on Energy Harvesting of Magnetic Levitation Using Harmonic Balance Method. <i>Journal of Vibration Engineering and Technologies</i> , <b>2019</b> , 7, 543-549	2	5
278	Dynamic design of a nonlinear energy sink with NiTiNOL-steel wire ropes based on nonlinear output frequency response functions. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2019</b> , 40, 1791-1804	3.2	11
277	Kinematic Aspects in Modeling Large-Amplitude Vibration of Axially Moving Beams. <i>International Journal of Applied Mechanics</i> , <b>2019</b> , 11, 1950021	2.4	2
276	Super-harmonic resonances of a rotating pre-deformed blade subjected to gas pressure. <i>Nonlinear Dynamics</i> , <b>2019</b> , 98, 2531-2549	5	13
275	Chaos Threshold of a Multistable Piezoelectric Energy Harvester Subjected to Wake-Galloping. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2019</b> , 29, 1950162	2	7
274	High-static-low-dynamic-stiffness vibration isolation enhanced by damping nonlinearity. <i>Science China Technological Sciences</i> , <b>2019</b> , 62, 1103-1110	3.5	37
273	Path integral solution of vibratory energy harvesting systems. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2019</b> , 40, 579-590	3.2	11
272	Resonance response interaction without internal resonance in vibratory energy harvesting. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 121, 767-776	7.8	30
271	Nonlinear energy harvesting based on a modified snap-through mechanism. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2019</b> , 40, 167-180	3.2	23
270	Nonlinear vibration isolation for fluid-conveying pipes using quasi-zero stiffness characteristics. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 121, 675-688	7.8	83
269	Nonlinear isolation of transverse vibration of pre-pressure beams. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 442, 738-751	3.9	39
268	A harmonic balance approach with alternating frequency/time domain progress for piezoelectric mechanical systems. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 120, 274-289	7.8	27
267	Nonlinear vibration of a beam with asymmetric elastic supports. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 2543-2554		21
266	Nonlinear vibration of a slightly curved beam with quasi-zero-stiffness isolators. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 2367-2382	5	52
265	Nonlinear Torsional Vibration Absorber for Flexible Structures. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2019</b> , 86,	2.7	18
264	Saturation and stability in internal resonance of a rotating blade under thermal gradient. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 440, 34-50	3.9	20
263	Internal resonance of a supercritically axially moving beam subjected to the pulsating speed. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 631-651	5	16



262	Dynamics and evaluation of a nonlinear energy sink integrated by a piezoelectric energy harvester under a harmonic excitation. <i>JVC/Journal of Vibration and Control</i> , <b>2019</b> , 25, 851-867	2	19
261	Nonlinear vibration of a traveling belt with non-homogeneous boundaries. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 424, 78-93	3.9	27
260	Vibration reduction effect of one-way clutch on belt-drive systems. <i>European Journal of Mechanics, A/Solids</i> , <b>2018</b> , 71, 378-385	3.7	6
259	Nonlinear vibration isolation of a viscoelastic beam. <i>Nonlinear Dynamics</i> , <b>2018</b> , 92, 325-349	5	30
258	Nonlinear vibration of axially accelerating hyperelastic beams. <i>International Journal of Non-Linear Mechanics</i> , <b>2018</b> , 99, 302-310	2.8	12
257	Frequency-preserved non-reciprocal acoustic propagation in a granular chain. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 181904	3.4	19
256	Modeling and analysis of an axially acceleration beam based on a higher order beam theory. <i>Meccanica</i> , <b>2018</b> , 53, 2525-2542	2.1	8
255	Complexification-Averaging Analysis on a Giant Magnetostrictive Harvester Integrated With a Nonlinear Energy Sink. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2018</b> , 140,	1.6	31
254	Effects of rotary inertia on sub- and super-critical free vibration of an axially moving beam. <i>Meccanica</i> , <b>2018</b> , 53, 3233-3249	2.1	5
253	Nonparametric Identification of Nonlinear Piezoelectric Mechanical Systems. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2018</b> , 85,	2.7	7
252	Control strategy of optimal deployment for spacecraft solar array system with initial state uncertainty. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2018</b> , 39, 1437-1452	3.2	2
251	Nonlinear dynamics of a circular piezoelectric plate for vibratory energy harvesting. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 59, 651-656	3.7	31
250	Transmissibility of Bending Vibration of an Elastic Beam. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2018</b> , 140,	1.6	17
249	Vibration Suppression of a Nonlinear Fluid-Conveying Pipe Under Harmonic Foundation Displacement Excitation Via Nonlinear Energy Sink. <i>International Journal of Applied Mechanics</i> , <b>2018</b> , 10, 1850096	2.4	16
248	A lever-type nonlinear energy sink. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 437, 119-134	3.9	40
247	Nonlinear energy sink for a flywheel system vibration reduction. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 429, 305-324	3.9	23
246	Vibration around non-trivial equilibrium of a supercritical Timoshenko pipe conveying fluid. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 428, 104-118	3.9	29
245	Power Flow in a Two-Stage Nonlinear Vibration Isolation System with High-Static-Low-Dynamic Stiffness. <i>Shock and Vibration</i> , <b>2018</b> , 2018, 1-13	1.1	5



244	Frequencies of transverse vibration of an axially moving viscoelastic beam. <i>JVC/Journal of Vibration and Control</i> , <b>2017</b> , 23, 3504-3514	2	12
243	Transverse vibration of viscoelastic Timoshenko beam-columns. <i>JVC/Journal of Vibration and Control</i> , <b>2017</b> , 23, 1572-1584	2	5
242	Primary resonance of coupled cantilevers subjected to magnetic interaction. <i>Meccanica</i> , <b>2017</b> , 52, 807-823	7	
241	Nonlinear Energy Sink for Whole-Spacecraft Vibration Reduction. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	73
240	Experimental Investigation of a Two-Stage Nonlinear Vibration Isolation System With High-Static-Low-Dynamic Stiffness. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2017</b> , 84,	2.7	56
239	Dynamics of a super-critically axially moving beam with parametric and forced resonance. <i>Nonlinear Dynamics</i> , <b>2017</b> , 89, 1475-1487	5	14
238	Integration of a nonlinear energy sink and a piezoelectric energy harvester. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2017</b> , 38, 1019-1030	3.2	45
237	Complex dynamics of a harmonically excited structure coupled with a nonlinear energy sink. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2017</b> , 33, 801-822	2	42
236	Vibration of axially moving beam supported by viscoelastic foundation. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2017</b> , 38, 161-172	3.2	10
235	Integration of a nonlinear energy sink and a giant magnetostrictive energy harvester. <i>Journal of Sound and Vibration</i> , <b>2017</b> , 391, 35-49	3.9	87
234	Reducing thermal shock-induced vibration of an axially moving beam via a nonlinear energy sink. <i>Nonlinear Dynamics</i> , <b>2017</b> , 87, 1159-1167	5	46
233	A programmable nonlinear acoustic metamaterial. <i>AIP Advances</i> , <b>2017</b> , 7, 095323	1.5	14
232	Forced vibration control of an axially moving beam with an attached nonlinear energy sink. <i>Acta Mechanica Solida Sinica</i> , <b>2017</b> , 30, 674-682	2	24
231	Solar sail chaotic pitch dynamics and its control in Earth orbits. <i>Nonlinear Dynamics</i> , <b>2017</b> , 90, 1755-1770	5	10
230	Irregular instability boundaries of axially accelerating viscoelastic beams with 1:3 internal resonance. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 133, 535-543	5.5	12
229	Vibration of Flexible Structures Under Nonlinear Boundary Conditions. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2017</b> , 84,	2.7	23
228	Harmonic Balance in the Dynamic Analysis of Circular Composite Plate Harvester. <i>Procedia IUTAM</i> , <b>2017</b> , 22, 200-207		3
227	Experimental identification of hardening and softening nonlinearity in circular laminated plates. <i>International Journal of Non-Linear Mechanics</i> , <b>2017</b> , 95, 296-306	2.8	12

226	Optimal control of attitude for coupled-rigid-body spacecraft via Chebyshev-Gauss pseudospectral method. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2017</b> , 38, 1257-1272	3.2	10
225	Analysis and suppression of a self-excitation vibration via internal stiffness and damping nonlinearity. <i>Advances in Mechanical Engineering</i> , <b>2017</b> , 9, 168781401774402	1.2	3
224	Nonlinear characteristic of a circular composite plate energy harvester: experiments and simulations. <i>Nonlinear Dynamics</i> , <b>2017</b> , 90, 2495-2506	5	20
223	Free Vibration of a Rotating Ring on an Elastic Foundation. <i>International Journal of Applied Mechanics</i> , <b>2017</b> , 09, 1750051	2.4	12
222	Forced vibration of axially moving beam with internal resonance in the supercritical regime. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 131-132, 81-94	5.5	34
221	Asymptotic solutions of coupled equations of supercritically axially moving beam. <i>Nonlinear Dynamics</i> , <b>2017</b> , 87, 25-36	5	4
220	The transmissibility of nonlinear energy sink based on nonlinear output frequency-response functions. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2017</b> , 44, 184-192	3.7	21
219	Primary resonance of traveling viscoelastic beam under internal resonance. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2017</b> , 38, 1-14	3.2	50
218	Equilibriums and their stabilities of the snap-through mechanism. <i>Archive of Applied Mechanics</i> , <b>2016</b> , 86, 403-410	2.2	3
217	Stochastic averaging based on generalized harmonic functions for energy harvesting systems. <i>Journal of Sound and Vibration</i> , <b>2016</b> , 377, 264-283	3.9	22
216	Equilibrium bifurcation of high-speed axially moving Timoshenko beams. <i>Acta Mechanica</i> , <b>2016</b> , 227, 3001-3014	2.1	17
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