Jc Ji

List of Publications by Year
in descending order

28 papers	1,262 citations	394421 19 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	464 citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration control based metamaterials and origami structures: A state-of-the-art review. Mechanical Systems and Signal Processing, 2021, 161, 107945.	8.0	126
2	Design of a quasi-zero stiffness isolation system for supporting different loads. Journal of Sound and Vibration, 2020, 471, 115198.	3.9	116
3	NON-LINEAR OSCILLATIONS OF A ROTOR IN ACTIVE MAGNETIC BEARINGS. Journal of Sound and Vibration, 2001, 240, 599-612.	3.9	91
4	An origami inspired quasi-zero stiffness vibration isolator using a novel truss-spring based stack Miura-ori structure. Mechanical Systems and Signal Processing, 2022, 165, 108383.	8.0	80
5	The response of a Duffing–van der Pol oscillator under delayed feedback control. Journal of Sound and Vibration, 2006, 291, 644-655.	3.9	70
6	BIFURCATION BEHAVIOR OF A ROTOR SUPPORTED BY ACTIVE MAGNETIC BEARINGS. Journal of Sound and Vibration, 2000, 235, 133-151.	3.9	69
7	Non-linear oscillations of a rotor-magnetic bearing system under superharmonic resonance conditions. International Journal of Non-Linear Mechanics, 2003, 38, 829-835.	2.6	67
8	Suppression of the primary resonance vibrations of a forced nonlinear system using a dynamic vibration absorber. Journal of Sound and Vibration, 2010, 329, 2044-2056.	3.9	67
9	A novel integrated quasi-zero stiffness vibration isolator for coupled translational and rotational vibrations. Mechanical Systems and Signal Processing, 2021, 149, 107340.	8.0	60
10	RESONANCES OF A NON-LINEAR s.d.o.f. SYSTEM WITH TWO TIME-DELAYS IN LINEAR FEEDBACK CONTROL. Journal of Sound and Vibration, 2002, 253, 985-1000.	3.9	53
11	Stability and dynamics of a controlled van der Pol–Duffing oscillator. Chaos, Solitons and Fractals, 2006, 28, 555-570.	5.1	51
12	Design of a nonlinear vibration absorber using three-to-one internal resonances. Mechanical Systems and Signal Processing, 2014, 42, 236-246.	8.0	49
13	Nonlinear Dynamics of Magnetic Bearing Systems. Journal of Intelligent Material Systems and Structures, 2008, 19, 1471-1491.	2.5	46
14	STABILITY AND HOPF BIFURCATION OF A MAGNETIC BEARING SYSTEM WITH TIME DELAYS. Journal of Sound and Vibration, 2003, 259, 845-856.	3.9	43
15	Dynamics of a Jeffcott rotor-magnetic bearing system with time delays. International Journal of Non-Linear Mechanics, 2003, 38, 1387-1401.	2.6	34
16	Nonresonant Hopf bifurcations of a controlled van der Pol–Duffing oscillator. Journal of Sound and Vibration, 2006, 297, 183-199.	3.9	34
17	Control of flexible single-link manipulators having Duffing oscillator dynamics. Mechanical Systems and Signal Processing, 2019, 121, 44-57.	8.0	29
18	Dynamics of two delay coupled van der Pol oscillators. Mechanics Research Communications, 2006, 33, 614-627.	1.8	26

#	Article	IF	Citations
19	Stability and bifurcation in an electromechanical system with time delays. Mechanics Research Communications, 2003, 30, 217-225.	1.8	23
20	On the approximate solution of a piecewise nonlinear oscillator under super-harmonic resonance. Journal of Sound and Vibration, 2005, 283, 467-474.	3.9	19
21	Two families of super-harmonic resonances in a time-delayed nonlinear oscillator. Journal of Sound and Vibration, 2015, 349, 299-314.	3.9	19
22	Additive resonances of a controlled van der Polâ€"Duffing oscillator. Journal of Sound and Vibration, 2008, 315, 22-33.	3.9	17
23	Nonlinear response of a forced van der Polâ€"Duffing oscillator at non-resonant bifurcations of codimension two. Chaos, Solitons and Fractals, 2009, 41, 1467-1475.	5.1	17
24	Suppression of super-harmonic resonance response using a linear vibration absorber. Mechanics Research Communications, 2011, 38, 411-416.	1.8	15
25	Approximate solutions and chaotic motions of a piecewise nonlinearâ€"linear oscillator. Chaos, Solitons and Fractals, 2004, 20, 1121-1133.	5.1	11
26	Forced phase-locked response of a nonlinear system with time delay after Hopf bifurcation. Chaos, Solitons and Fractals, 2005, 25, 461-473.	5.1	11
27	Analytical approximation of the primary resonance response of a periodically excited piecewise non-linearâ€"linear oscillator. Journal of Sound and Vibration, 2004, 278, 327-342.	3.9	10
28	Dynamics of a piecewise linear system subjected to a saturation constraint. Journal of Sound and Vibration, 2004, 271, 905-920.	3.9	9