Xueliang Zhang

List of Publications by Year
in descending order

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41	679	567281 15	610901 24
papers	citations	h-index	g-index

41	41	41	177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical, numerical and experimental studies on multi-cycle synchronization of two pairs of reversed rotating exciters. Mechanical Systems and Signal Processing, 2022, 167, 108501.	8.0	9
2	Theoretical, Numerical and Experimental Studies on Timesâ€“Frequency Synchronization of the Three Exciters Based on the Asymptotic Method. Journal of Vibration Engineering and Technologies, 2022, 10, 1091-1109.	2.2	2
3	Theoretical, numerical, and experimental study on the synchronization in a vibratorâ€“pendulum coupling system. Archives of Civil and Mechanical Engineering, 2022, 22, .	3.8	2
4	Coupling synchronization principle of two pairs counter-rotating unbalanced rotors in the different resonant conditions. Journal of Low Frequency Noise Vibration and Active Control, 2021, 40, 1149-1165.	2.9	5
5	Stability and Sommerfeld Effect of a Vibrating System With Two Vibrators Driven Separately by Induction Motors. IEEE/ASME Transactions on Mechatronics, 2021, 26, 807-817.	5.8	40
6	Theory, numeric, and experiment studies on stability of two homodromy vibrators in a vibrating system with double rigid frames. JVC/Journal of Vibration and Control, 2021, 27, 1143-1154.	2.6	2
7	Synchronization and stability of a far-resonant vibrating system with three rollers driven by two vibrators. Applied Mathematical Modelling, 2021, 91, 261-279.	4.2	29
8	Theoretical and Numerical Studies on Vibratory Synchronization Transmission of a Vibrating Mechanical System Driven by Single Motor Considering Sliding Dry Friction. IEEE Access, 2021, 9, 64676-64685.	4.2	2
9	Stability and motion characteristics in a vibrating system with five rigid frames driven by two counter-rotating exciters. Journal of Low Frequency Noise Vibration and Active Control, 2021, 40, 1780-1794.	2.9	2
10	Stability Characteristics of a Vibrating System with Double Rigid Frames Driven by Four Co-Rotating Coupling Vibrators. International Journal of Structural Stability and Dynamics, 2021, 21, 2150137.	2.4	1
11	Double and triple-frequency synchronization and their stable states of the two co-rotating exciters in a vibrating mechanical system. Mechanical Systems and Signal Processing, 2021, 154, 107555.	8.0	5
12	Synchronization of a Dual-Mass Vibrating System with Two Exciters. Shock and Vibration, 2020, 2020, 1-12.	0.6	8
13	Stability and coupling dynamic characteristics of a vibrating system with one internal degree of freedom and two vibrators. Mechanical Systems and Signal Processing, 2020, 143, 106812.	8.0	21
14	Speed and Phase Adjacent Cross-Coupling Synchronous Control of Multi-Exciters in Vibration System Considering Material Influence. IEEE Access, 2019, 7, 63204-63216.	4.2	20
15	Investigations on stability of the synchronous states for three homodromy exciters in the vibrating system with double resonant types. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 312-327.	2.9	0
16	Comments on the stability of the synchronous states of three vibrators in a vibrating system with two rigid frames. Journal of Mechanical Science and Technology, 2019, 33, 4659-4672.	1.5	3
17	Control Synchronization of Two Nonidentical Homodromy Exciters in Nonlinear Coupled Vibration System. IEEE Access, 2019, 7, 109934-109944.	4.2	9
18	Synchronization and Stability of Two Pairs of Reversed Rotating Exciters Mounted on Two Different Rigid Frames. IEEE Access, 2019, 7, 115348-115367.	4.2	8

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19	Synchronization and coupling dynamic characteristics of an exciter and two cylindrical rollers in a vibrating system. Journal of Sound and Vibration, 2019, 456, 353-373.	3.9	8
20	Theoretical and experimental investigation on controlled synchronization of four co-rotating coupled exciters driven by induction motors in a vibrating system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4556-4576.	2.1	5
21	Stability of a Multiple Rigid Frames Vibrating System Driven by Two Unbalanced Rotors Rotating in Opposite Directions. IEEE Access, 2019, 7, 123521-123534.	4.2	9
22	Synchronous Stability of Four Homodromy Vibrators in a Vibrating System with Double Resonant Types. Shock and Vibration, 2018, 2018, 1-20.	0.6	14
23	Vibratory synchronization transmission of a cylindrical roller in a vibrating mechanical system excited by two exciters. Mechanical Systems and Signal Processing, 2017, 96, 88-103.	8.0	56
24	SYNCHRONIZATION OF DUAL HOMODROMY ROTORS WITH ECCENTRIC MASSES IN A NONLINEAR VIBRATING SYSTEM. Transactions of the Canadian Society for Mechanical Engineering, 2016, 40, 303-315.	0.8	4
25	On the Synchronization of Two Eccentric Rotors with Common Rotational Axis: Theory and Experiment. Shock and Vibration, 2016, 2016, 1-14.	0.6	20
26	Phase and speed synchronization control of four eccentric rotors driven by induction motors in a linear vibratory feeder with unknown time-varying load torques using adaptive sliding mode control algorithm. Journal of Sound and Vibration, 2016, 370, 23-42.	3.9	46
27	Controlled synchronization of two nonidentical homodromy coupling exciters driven by inductor motors in a vibratory system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3040-3054.	2.1	12
28	Theoretical study on synchronization of two exciters in a nonlinear vibrating system with multiple resonant types. Nonlinear Dynamics, 2016, 85, 141-154.	5.2	37
29	Synchronization analysis and control of three eccentric rotors in a vibrating system using adaptive sliding mode control algorithm. Mechanical Systems and Signal Processing, 2016, 72-73, 432-450.	8.0	44
30	Numerical and experimental study on synchronization of two exciters in a nonlinear vibrating system with multiple resonant types. Nonlinear Dynamics, 2015, 82, 987-999.	5.2	24
31	Dynamical analysis of vibratory feeder and feeding parts considering interactions by an improved increment harmonic balance method. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 1029-1040.	2.1	21
32	Vibratory synchronization and coupling dynamic characteristics of multiple unbalanced rotors on a mass-spring rigid base. International Journal of Non-Linear Mechanics, 2014, 60, 1-8.	2.6	41
33	Vibratory synchronization transmission of two exciters in a super-resonant vibrating system. Journal of Mechanical Science and Technology, 2014, 28, 2049-2058.	1.5	27
34	Experimental investigation on synchronization of three co-rotating non-identical coupled exciters driven by three motors. Journal of Sound and Vibration, 2014, 333, 2898-2908.	3.9	36
35	Synchronization of three non-identical coupled exciters with the same rotating directions in a far-resonant vibrating system. Journal of Sound and Vibration, 2013, 332, 2300-2317.	3.9	60
36	Synchronization of the four identical unbalanced rotors in a vibrating system of plane motion. Science China Technological Sciences, 2010, 53, 405-422.	4.0	41

#	Article	IF	Citations
37	Composite synchronization on two pairs of vibrators in a far super-resonant vibrating system with the single rigid frame. Journal of Low Frequency Noise Vibration and Active Control, 0, , 146134842110215.	2.9	4
38	Multiple-frequency synchronization of the four exciters in a far super-resonant vibrating system with an isolation frame. Journal of Low Frequency Noise Vibration and Active Control, 0, , 146134842110518.	2.9	0
39	Special Motion Characteristics of a Vibrating System with a Main Working Rigid Frame Driven by the Pendulum Bob. Journal of Vibration Engineering and Technologies, 0, , 1.	2.2	1
40	Synchronization behaviors of a vibrating mechanical system with adjustable frequencies and motion trajectories. Journal of Low Frequency Noise Vibration and Active Control, 0, , 146134842210751.	2.9	1
41	Synchronization characteristics in a vibrator-pendulum coupling system with spatial motion. JVC/Journal of Vibration and Control, 0, , 107754632211136.	2.6	0