Huajiang Ouyang

List of Publications by Year
in descending order

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268	7,357	46984 47	95218 68
papers	citations	h-index	g-index

275	275	275	2956
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical analysis of automotive disc brake squeal: a review. International Journal of Vehicle Noise and Vibration, 2005, 1, 207.	0.0	346
2	Moving-load dynamic problems: A tutorial (with a brief overview). Mechanical Systems and Signal Processing, 2011, 25, 2039-2060.	4.4	304
3	A novel quasi-zero-stiffness strut and its applications in six-degree-of-freedom vibration isolation platform. Journal of Sound and Vibration, 2017, 394, 59-74.	2.1	148
4	Complex eigenvalue analysis and dynamic transient analysis in predicting disc brake squeal. International Journal of Vehicle Noise and Vibration, 2006, 2, 143.	0.0	137
5	Design and numerical validation of quasi-zero-stiffness metamaterials for very low-frequency band gaps. Composite Structures, 2020, 236, 111862.	3.1	132
6	FRICTION-INDUCED PARAMETRIC RESONANCES IN DISCS: EFFECT OF A NEGATIVE FRICTIONâ€“VELOCITY RELATIONSHIP. Journal of Sound and Vibration, 1998, 209, 251-264.	2.1	124
7	Force transmissibility of a two-stage vibration isolation system with quasi-zero stiffness. Nonlinear Dynamics, 2017, 87, 633-646.	2.7	111
8	Design and experimental investigation of ultra-low frequency vibration isolation during neonatal transport. Mechanical Systems and Signal Processing, 2020, 139, 106633.	4.4	103
9	A semi-active metamaterial beam with electromagnetic quasi-zero-stiffness resonators for ultralow-frequency band gap tuning. International Journal of Mechanical Sciences, 2020, 176, 105548.	3.6	101
10	Experimental and theoretical studies of a bolted joint excited by a torsional dynamic load. International Journal of Mechanical Sciences, 2006, 48, 1447-1455.	3.6	98
11	Wear prediction of friction material and brake squeal using the finite element method. Wear, 2008, 264, 1069-1076.	1.5	93
12	A nonlinear resonator with inertial amplification for very low-frequency flexural wave attenuations in beams. Nonlinear Dynamics, 2019, 96, 647-665.	2.7	89
13	A finite element study on rail corrugation based on saturated creep force-induced self-excited vibration of a wheelsetâ€“track system. Journal of Sound and Vibration, 2010, 329, 4643-4655.	2.1	86
14	Local resonator with high-static-low-dynamic stiffness for lowering band gaps of flexural wave in beams. Journal of Applied Physics, 2017, 121, .	1.1	84
15	Simplified models of bolted joints under harmonic loading. Computers and Structures, 2005, 84, 25-33.	2.4	83
16	Uncertainty quantification of squeal instability via surrogate modelling. Mechanical Systems and Signal Processing, 2015, 60-61, 887-908.	4.4	83
17	A nonlinear ultra-low-frequency vibration isolator with dual quasi-zero-stiffness mechanism. Nonlinear Dynamics, 2020, 101, 755-773.	2.7	83
18	Low-frequency band gaps in a metamaterial rod by negative-stiffness mechanisms: Design and experimental validation. Applied Physics Letters, 2019, 114, .	1.5	77

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19	Vibration analysis of a dual-rotor-bearing-double casing system with pedestal looseness and multi-stage turbine blade-casing rub. Mechanical Systems and Signal Processing, 2020, 143, 106845.	4.4	75
20	Lower band gaps of longitudinal wave in a one-dimensional periodic rod by exploiting geometrical nonlinearity. Mechanical Systems and Signal Processing, 2019, 124, 664-678.	4.4	74
21	Experimental and numerical investigations of the piezoelectric energy harvesting via friction-induced vibration. Energy Conversion and Management, 2018, 171, 1134-1149.	4.4	68
22	Linear eigenvalue analysis of the disc-brake squeal problem. International Journal for Numerical Methods in Engineering, 2004, 61, 1546-1563.	1.5	67
23	Active control of contact force for high-speed railway pantograph-catenary based on multi-body pantograph model. Mechanism and Machine Theory, 2017, 115, 35-59.	2.7	67
24	Friction-induced vibration of an elastic slider on a vibrating disc. International Journal of Mechanical Sciences, 1999, 41, 325-336.	3.6	66
25	Assignment of natural frequencies by an added mass and one or more springs. Mechanical Systems and Signal Processing, 2004, 18, 263-289.	4.4	65
26	A methodology for the determination of dynamic instabilities in a car disc brake. International Journal of Vehicle Design, 2000, 23, 241.	0.1	61
27	Nonlinear dynamics of straight fluid-conveying pipes with general boundary conditions and additional springs and masses. Applied Mathematical Modelling, 2016, 40, 7880-7900.	2.2	61
28	Experimental and numerical studies of bolted joints subjected to axial excitation. Wear, 2016, 346-347, 66-77.	1.5	61
29	Study on self-loosening of bolted joints excited by dynamic axial load. Tribology International, 2017, 115, 432-451.	3.0	61
30	Mathematical modeling and analysis of a meta-plate for very low-frequency band gap. Applied Mathematical Modelling, 2019, 73, 581-597.	2.2	61
31	Shape optimization of coronary artery stent based on a parametric model. Finite Elements in Analysis and Design, 2009, 45, 468-475.	1.7	60
32	A railway track dynamics model based on modal substructuring and a cyclic boundary condition. Journal of Sound and Vibration, 2011, 330, 75-86.	2.1	59
33	A Six Degrees-of-Freedom Vibration Isolation Platform Supported by a Hexapod of Quasi-Zero-Stiffness Struts. Journal of Vibration and Acoustics, Transactions of the ASME, 2017, 139, .	1.0	58
34	Triboelectric energy harvesting from the vibro-impact of three cantilevered beams. Mechanical Systems and Signal Processing, 2019, 121, 509-531.	4.4	58
35	A dual quasi-zero-stiffness sliding-mode triboelectric nanogenerator for harvesting ultralow-low frequency vibration energy. Mechanical Systems and Signal Processing, 2021, 151, 107368.	4.4	58
36	Vibration and squeal of a disc brake: Modelling and experimental results. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2003, 217, 867-875.	1.1	57

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37	Structural modification. Part 1: rotational receptances. Journal of Sound and Vibration, 2005, 284, 249-265.	2.1	57
38	A Moving-Load Model for Disc-Brake Stability Analysis. Journal of Vibration and Acoustics, Transactions of the ASME, 2003, 125, 53-58.	1.0	56
39	Structural modification. Part 2: assignment of natural frequencies and antiresonances by an added beam. Journal of Sound and Vibration, 2005, 284, 267-281.	2.1	56
40	Vibration of a beam excited by a moving oscillator considering separation and reattachment. Journal of Sound and Vibration, 2008, 310, 1128-1140.	2.1	56
41	Nonlinear dynamics and triboelectric energy harvesting from a three-degree-of-freedom vibro-impact oscillator. Nonlinear Dynamics, 2018, 92, 1985-2004.	2.7	56
42	A novel load-dependent sensor placement method for model updating based on time-dependent reliability optimization considering multi-source uncertainties. Mechanical Systems and Signal Processing, 2022, 165, 108386.	4.4	56
43	Chaos in an embedded single-walled carbon nanotube. Nonlinear Dynamics, 2013, 72, 389-398.	2.7	53
44	Vibration isolation in neonatal transport by using a quasi-zero-stiffness isolator. JVC/Journal of Vibration and Control, 2018, 24, 3278-3291.	1.5	53
45	Partial eigenstructure assignment for undamped vibration systems using acceleration and displacement feedback. Journal of Sound and Vibration, 2014, 333, 1-12.	2.1	52
46	Dynamic Instability of an Elastic Disk Under the Action of a Rotating Friction Couple. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 753-758.	1.1	50
47	Experimental and numerical studies of friction-induced vibration and noise and the effects of groove-textured surfaces. Mechanical Systems and Signal Processing, 2014, 46, 191-208.	4.4	49
48	Parametric resonances in an annular disc, with a rotating system of distributed mass and elasticity; and the effects of friction and damping. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1997, 453, 1-19.	1.0	44
49	Parameter selection and stochastic model updating using perturbation methods with parameter weighting matrix assignment. Mechanical Systems and Signal Processing, 2012, 32, 135-152.	4.4	44
50	Pole assignment of friction-induced vibration for stabilisation through state-feedback control. Journal of Sound and Vibration, 2010, 329, 1985-1991.	2.1	43
51	Eigenstructure assignment in undamped vibrating systems: A convex-constrained modification method based on receptances. Mechanical Systems and Signal Processing, 2012, 27, 397-409.	4.4	43
52	Effect of the unstable vibration of the disc brake system of high-speed trains on wheel polygonalization. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2020, 234, 80-95.	1.3	43
53	Friction-induced stick-slip vibration and its experimental validation. Mechanical Systems and Signal Processing, 2020, 142, 106705.	4.4	43
54	Study on rail corrugation of a metro tangential track with Cologne-egg type fasteners. Vehicle System Dynamics, 2016, 54, 353-369.	2.2	42

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55	An iterative method for solving the dynamic response of railway vehicle-track coupled systems based on prediction of wheel-rail forces. Engineering Structures, 2017, 151, 297-311.	2.6	42
56	Contact behaviour and vibrational response of a high-speed train brake friction block. Tribology International, 2020, 152, 106540.	3.0	41
57	Structural vibration and fluid-borne noise induced by turbulent flow through a 90Â° piping elbow with/without a guide vane. International Journal of Pressure Vessels and Piping, 2015, 125, 66-77.	1.2	39
58	Passive modifications for partial assignment of natural frequencies of massâ€“spring systems. Mechanical Systems and Signal Processing, 2015, 50-51, 214-226.	4.4	39
59	Friction-induced vibration of an elastic disc and a moving slider with separation and reattachment. Nonlinear Dynamics, 2017, 87, 1045-1067.	2.7	39
60	Statistics of complex eigenvalues in friction-induced vibration. Journal of Sound and Vibration, 2015, 338, 169-183.	2.1	38
61	Noise performance improvements and tribological consequences of a pad-on-disc system through groove-textured disc surface. Tribology International, 2016, 102, 222-236.	3.0	38
62	Multi-low-frequency flexural wave attenuation in Eulerâ€“Bernoulli beams using local resonators containing negative-stiffness mechanisms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3141-3148.	0.9	38
63	A combined analysis of heat conduction, contact pressure and transient vibration of a disk brake. International Journal of Vehicle Design, 2009, 51, 190.	0.1	37
64	Active assignment of eigenvalues and eigen-sensitivities for robust stabilization of friction-induced vibration. Mechanical Systems and Signal Processing, 2017, 90, 254-267.	4.4	37
65	A prediction methodology of disk brake squeal using complex eigenvalue analysis. International Journal of Vehicle Design, 2008, 46, 416.	0.1	36
66	A dynamic model for a rotating beam subjected to axially moving forces. Journal of Sound and Vibration, 2007, 308, 674-682.	2.1	34
67	Finite element analysis of wear and its effect on squeal generation. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2008, 222, 1153-1165.	1.1	34
68	Field investigation and numerical study of the rail corrugation caused by frictional self-excited vibration. Wear, 2017, 376-377, 1919-1929.	1.5	34
69	Inverse structural modifications of a geared rotor-bearing system for frequency assignment using measured receptances. Mechanical Systems and Signal Processing, 2018, 110, 59-72.	4.4	34
70	On Automotive Disc Brake Squeal Part II: Simulation and Analysis. , 0, , .		33
71	Effect of the wheel/rail contact angle and the direction of the saturated creep force on rail corrugation. Wear, 2015, 330-331, 554-562.	1.5	33
72	Improving tribological behaviours and noise performance of railway disc brake by grooved surface texturing. Wear, 2017, 376-377, 1586-1600.	1.5	33

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73	Finite-element modelling and updating of laser spot weld joints in a top-hat structure for dynamic analysis. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 851-861.	1.1	32
74	Wave characteristics of single-walled fluid-conveying carbon nanotubes subjected to multi-physical fields. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 52, 97-105.	1.3	32
75	Eigenstructure assignment in vibrating systems based on receptances. Archive of Applied Mechanics, 2015, 85, 713-724.	1.2	32
76	Pole assignment using state feedback with time delay in friction-induced vibration problems. Acta Mechanica, 2013, 224, 645-656.	1.1	31
77	Flow-induced noise analysis for 3D trash rack based on LES/Lighthill hybrid method. Applied Acoustics, 2014, 79, 141-152.	1.7	31
78	Field measurement and model prediction of rail corrugation. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2020, 234, 381-392.	1.3	31
79	Experimental investigations of a multi-span flexible structure subjected to moving masses. Journal of Sound and Vibration, 2011, 330, 2004-2016.	2.1	30
80	A hybrid control approach for pole assignment to second-order asymmetric systems. Mechanical Systems and Signal Processing, 2011, 25, 123-132.	4.4	29
81	Nonlinear structural dynamics of a new sliding-mode triboelectric energy harvester with multistability. Nonlinear Dynamics, 2020, 100, 1941-1962.	2.7	29
82	Prediction and assignment of latent roots of damped asymmetric systems by structural modifications. Mechanical Systems and Signal Processing, 2009, 23, 1920-1930.	4.4	28
83	A linear complementarity method for dynamic analysis of bridges under moving vehicles considering separation and surface roughness. Computers and Structures, 2015, 154, 135-144.	2.4	28
84	Optimal vibration control of beams subjected to a mass moving at constant speed. JVC/Journal of Vibration and Control, 2016, 22, 3202-3217.	1.5	28
85	Vibration control of beams subjected to a moving mass using a successively combined control method. Applied Mathematical Modelling, 2016, 40, 4002-4015.	2.2	28
86	The effect of the grooved elastic damping component in reducing friction-induced vibration. Tribology International, 2017, 110, 264-277.	3.0	28
87	Receptance-Based Partial Pole Assignment for Asymmetric Systems Using State-Feedback. Shock and Vibration, 2012, 19, 1135-1142.	0.3	27
88	Free vibration of wavy single-walled fluid-conveying carbon nanotubes in multi-physics fields. Applied Mathematical Modelling, 2015, 39, 6780-6792.	2.2	27
89	How do grooves on friction interface affect tribological and vibration and squeal noise performance. Tribology International, 2017, 109, 192-205.	3.0	27
90	Numerical study of friction-induced vibration and noise on groove-textured surface. Tribology International, 2013, 64, 1-7.	3.0	26

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91	A Kriging Model Based Finite Element Model Updating Method for Damage Detection. Applied Sciences (Switzerland), 2017, 7, 1039.	1.3	25
92	Debris trapping and space-varying contact via surface texturing for enhanced noise performance. Wear, 2018, 396-397, 86-97.	1.5	25
93	Tuneable gradient Helmholtz-resonator-based acoustic metasurface for acoustic focusing. Journal Physics D: Applied Physics, 2019, 52, 385303.	1.3	25
94	A nonlinear hybrid energy harvester with high ultralow-frequency energy harvesting performance. Meccanica, 2021, 56, 461-480.	1.2	25
95	Modeling of fatigue crack propagation using dual boundary element method and Gaussian Monte Carlo method. Engineering Analysis With Boundary Elements, 2010, 34, 297-305.	2.0	24
96	Pole assignment for control of flexible link mechanisms. Journal of Sound and Vibration, 2013, 332, 2884-2899.	2.1	24
97	Nonlinear Friction-Induced Vibration of a Sliderâ€“Belt System. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.0	24
98	Anti-loosening performance of coatings on fasteners subjected to dynamic shear load. Friction, 2018, 6, 32-46.	3.4	24
99	Study on the Effect of Track Curve Radius on Friction-Induced Oscillation of a Wheelsetâ€“Track System. Tribology Transactions, 2019, 62, 688-700.	1.1	24
100	Moving Force-Induced Vibration of a Rotating Beam with Elastic Boundary Conditions. International Journal of Structural Stability and Dynamics, 2015, 15, 1450035.	1.5	23
101	A simple orbit-attitude coupled modelling method for large solar power satellites. Acta Astronautica, 2018, 145, 83-92.	1.7	23
102	Friction-induced vibration considering multiple types of nonlinearities. Nonlinear Dynamics, 2020, 102, 2057-2075.	2.7	23
103	A capsule-structured triboelectric energy harvester with stick-slip vibration and vibro-impact. Energy, 2021, 235, 121393.	4.5	23
104	Discrete mass and stiffness modifications for the inverse eigenstructure assignment in vibrating systems: Theory and experimental validation. International Journal of Mechanical Sciences, 2012, 64, 211-220.	3.6	22
105	Structural modification formula and iterative design method using multiple tuned mass dampers for structures subjected to moving loads. Mechanical Systems and Signal Processing, 2012, 28, 542-560.	4.4	22
106	An efficient statistically equivalent reduced method on stochastic model updating. Applied Mathematical Modelling, 2013, 37, 6079-6096.	2.2	22
107	Dynamic Response of a Simplified Turbine Blade Model with Under-Platform Dry Friction Dampers Considering Normal Load Variation. Applied Sciences (Switzerland), 2017, 7, 228.	1.3	22
108	Vibration analysis of a complex fluid-conveying piping system with general boundary conditions using the receptance method. International Journal of Pressure Vessels and Piping, 2018, 166, 84-93.	1.2	22

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109	Tunable low-frequency torsional-wave band gaps in a meta-shaft. Journal Physics D: Applied Physics, 2019, 52, 055104.	1.3	22
110	A transient dynamic study of the self-excited vibration of a railway wheel setâ€“track system induced by saturated creep forces. Vehicle System Dynamics, 2014, 52, 1115-1138.	2.2	21
111	Partial quadratic eigenvalue assignment in vibrating systems using acceleration and velocity feedback. Inverse Problems in Science and Engineering, 2015, 23, 479-497.	1.2	21
112	Receptance based structural modification in a simple brake-clutch model for squeal noise suppression. Mechanical Systems and Signal Processing, 2017, 90, 222-233.	4.4	21
113	A new method of passive modifications for partial frequency assignment of general structures. Mechanical Systems and Signal Processing, 2018, 99, 586-599.	4.4	21
114	An electromagnetic vibration energy harvester using a magnet-array-based vibration-to-rotation conversion mechanism. Energy Conversion and Management, 2022, 253, 115146.	4.4	21
115	An investigation of stick-slip oscillation of Mnâ€“Cu damping alloy as a friction material. Tribology International, 2020, 146, 106024.	3.0	20
116	Wave propagation analysis in nonlinear curved single-walled carbon nanotubes based on nonlocal elasticity theory. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 66, 283-292.	1.3	19
117	Sliding Mode Control with PD Sliding Surface for High-Speed Railway Pantograph-Catenary Contact Force under Strong Stochastic Wind Field. Shock and Vibration, 2017, 2017, 1-16.	0.3	19
118	Robust multi-damage localisation using common eigenvector analysis and covariance matrix changes. Mechanical Systems and Signal Processing, 2018, 111, 663-677.	4.4	19
119	A Novel Method for Identifying Crack and Shaft Misalignment Faults in Rotor Systems under Noisy Environments Based on CNN. Sensors, 2019, 19, 5158.	2.1	19
120	Interface Pressure Distributions Through Structural Modifications. , 0, , .		18
121	A numericalâ€“analytical combined method for vibration of a beam excited by a moving flexible body. International Journal for Numerical Methods in Engineering, 2007, 72, 1181-1191.	1.5	18
122	An indirect torsional vibration receptance measurement method for shaft structures. Journal of Sound and Vibration, 2016, 372, 11-30.	2.1	18
123	Squeal Noise of Friction Material With Groove-Textured Surface: An Experimental and Numerical Analysis. Journal of Tribology, 2016, 138, .	1.0	18
124	Dynamic analysis of integrally shrouded group blades with rubbing and impact. Nonlinear Dynamics, 2018, 92, 2159-2175.	2.7	18
125	Friction-induced vibration of a slider on an elastic disc spinning at variable speeds. Nonlinear Dynamics, 2019, 98, 39-60.	2.7	18
126	Baseline-free adaptive damage localization of plate-type structures by using robust PCA and Gaussian smoothing. Mechanical Systems and Signal Processing, 2019, 122, 232-246.	4.4	18

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127	Analysis, design and testing of a rolling magnet harvester with diametrical magnetization for train vibration. Applied Energy, 2021, 300, 117373.	5.1	18
128	Crack Identification of Cantilever Plates Based on a Kriging Surrogate Model. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, 510121-5101210.	1.0	17
129	Static output feedback for partial eigenstructure assignment of undamped vibration systems. Mechanical Systems and Signal Processing, 2016, 68-69, 555-561.	4.4	17
130	Lyapunov-based boundary control of a multi-span beam subjected to moving masses. JVC/Journal of Vibration and Control, 2017, 23, 2221-2234.	1.5	17
131	A Super-Harmonic Feature Based Updating Method for Crack Identification in Rotors Using a Kriging Surrogate Model. Applied Sciences (Switzerland), 2019, 9, 2428.	1.3	17
132	A Bounded Region of Disc-Brake Vibration Instability. Journal of Vibration and Acoustics, Transactions of the ASME, 2001, 123, 543-545.	1.0	17
133	Improving Dynamic and Tribological Behaviours by Means of a Mnâ€“Cu Damping Alloy with Grooved Surface Features. Tribology Letters, 2018, 66, 1.	1.2	16
134	Dynamic behaviour of a bolted joint subjected to torsional excitation. Tribology International, 2019, 140, 105877.	3.0	16
135	Dynamics of a Rotating Shaft Subject to a Three-Directional Moving Load. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 386-389.	1.0	15
136	Localization of breathing cracks in stepped rotors using superâ€harmonic characteristic deflection shapes based on singular value decomposition in frequency domain. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1825-1837.	1.7	15
137	Model reduction for friction-induced vibration of multi-degree-of-freedom systems and experimental validation. International Journal of Mechanical Sciences, 2018, 145, 106-119.	3.6	15
138	Modal Strain Energy-Based Model Updating Method for Damage Identification on Beam-Like Structures. Journal of Structural Engineering, 2020, 146, .	1.7	15
139	Modelling, simulation, and experimental verification of a pendulum-flywheel vibrational energy harvester. Smart Materials and Structures, 2020, 29, 115023.	1.8	15
140	Receptance-based natural frequency assignment of a real fluid-conveying pipeline system with interval uncertainty. Mechanical Systems and Signal Processing, 2022, 179, 109321.	4.4	15
141	Dynamics of a truss structure and its moving-oscillator exciter with separation and impactâ€reattachment. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 2517-2533.	1.0	14
142	Thermal Analysis of a Disc Brake Model Considering a Real Brake Pad Surface and Wear. International Journal of Vehicle Structures and Systems, 2010, 2, .	0.1	14
143	Self-excited vibration of workpieces in a turning process. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 1958-1970.	1.1	14
144	Friction-Induced, Self-Excited Vibration of a Pantograph-Catenary System. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.0	14

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145	Random vibration of an elastic half-space subjected to a moving stochastic load. Computers and Structures, 2016, 168, 92-105.	2.4	14
146	Partial pole assignment with time delays for asymmetric systems. Acta Mechanica, 2018, 229, 2619-2629.	1.1	14
147	A multi-sensor fusion framework for detecting small amplitude hunting of high-speed trains. JVC/Journal of Vibration and Control, 2018, 24, 3797-3808.	1.5	14
148	Feature recognition of small amplitude hunting signals based on the MPE-LTSA in high-speed trains. Measurement: Journal of the International Measurement Confederation, 2019, 131, 452-460.	2.5	14
149	Theoretical investigation and experiment of a disc-shaped triboelectric energy harvester with a magnetic bistable mechanism. Smart Materials and Structures, 2021, 30, 095026.	1.8	14
150	Vibration of a continuous beam excited by a moving mass and experimental validation. Journal of Physics: Conference Series, 2009, 181, 012084.	0.3	13
151	Vibration of a continuous beam with multiple elastic supports excited by a moving two-axle system withÂseparation. Meccanica, 2009, 44, 293-303.	1.2	13
152	Disc surface modifications for enhanced performance against friction noise. Applied Surface Science, 2016, 382, 101-110.	3.1	13
153	Robust structural damage detection and localization based on joint approximate diagonalization technique in frequency domain. Smart Materials and Structures, 2017, 26, 015005.	1.8	13
154	Effects of electrical properties on vibrations via electromechanical coupling in triboelectric energy harvesting. Journal Physics D: Applied Physics, 2020, 53, 215501.	1.3	13
155	A receptance-based method for predicting latent roots and critical points in friction-induced vibration problems of asymmetric systems. Journal of Sound and Vibration, 2009, 321, 1058-1068.	2.1	12
156	GENERALIZED MULTI-SYMPLECTIC METHOD FOR DYNAMIC RESPONSES OF CONTINUOUS BEAM UNDER MOVING LOAD. International Journal of Applied Mechanics, 2013, 05, 1350033.	1.3	12
157	A Feature Extraction Method for Vibration Signal of Bearing Incipient Degradation. Measurement Science Review, 2016, 16, 149-159.	0.6	12
158	Efficient SPH simulation of time-domain acoustic wave propagation. Engineering Analysis With Boundary Elements, 2016, 62, 112-122.	2.0	12
159	Baseline-free multidamage identification in plate-like structures by using multiscale approach and low-rank modelling. Structural Control and Health Monitoring, 2019, 26, e2293.	1.9	12
160	Nonlinear vibration of buckled nanowires on a compliant substrate. Applied Mathematical Modelling, 2020, 79, 230-242.	2.2	12
161	Optimal suppression of parametric vibration in discs under rotating frictional loads. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2001, 215, 65-75.	1.1	11
162	Stationary and non-stationary vibration of atomising discs. Journal of Sound and Vibration, 2007, 308, 699-708.	2.1	11

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163	Vibration of a truss structure excited by a moving oscillator. Journal of Sound and Vibration, 2009, 321, 721-734.	2.1	11
164	FE model updating of welded structures for identification of defects. International Journal of Vehicle Noise and Vibration, 2010, 6, 163.	0.0	11
165	Numerical and theoretical studies of bolted joints under harmonic shear displacement. Latin American Journal of Solids and Structures, 2015, 12, 115-132.	0.6	11
166	A new method of updating mass and stiffness matrices simultaneously with no spillover. JVC/Journal of Vibration and Control, 2016, 22, 1181-1189.	1.5	11
167	Numerical Studies of Vibration of Four-Span Continuous Plate with Rails Excited by Moving Car with Experimental Validation. International Journal of Structural Stability and Dynamics, 2017, 17, 1750119.	1.5	11
168	Numerical investigation of the effects of rail vibration absorbers on wear behaviour of rail surface. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 424-438.	1.0	11
169	Identification of torsional receptances. Mechanical Systems and Signal Processing, 2019, 126, 116-136.	4.4	11
170	Investigation on dynamic characteristics of a rod fastening rotor-bearing coupling system with fixed-point rubbing. Applied Mathematics and Mechanics (English Edition), 2022, 43, 1063-1080.	1.9	11
171	Dynamic Instabilities in a Simple Model of a Car Disc Brake. , 0, , .		10
172	Dynamics of a beam and a moving two-axle system with separation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 1947-1956.	1.1	10
173	Vibration of spinning discs and powder formation in centrifugal atomization. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 361-380.	1.0	10
174	Stickâ€“slip vibration of a friction damper for energy dissipation. Advances in Mechanical Engineering, 2017, 9, 168781401771392.	0.8	10
175	Self-loosening of bolted L-stub connections under a cyclic separating load. Wear, 2019, 426-427, 662-675.	1.5	10
176	Influence of Random Multi-Point Seismic Excitations on the Safety Performance of a Train Running on a Long-Span Bridge. International Journal of Structural Stability and Dynamics, 2020, 20, 2050054.	1.5	10
177	A vibro-impact triboelectric energy harvester with a magnetic bistable mechanism and grating-patterned films for dual power enhancement. Mechanical Systems and Signal Processing, 2022, 178, 109318.	4.4	10
178	A new mechanism for friction-induced vibration and noise. Friction, 2023, 11, 302-315.	3.4	10
179	Vibration of an atomising disc subjected to a growing distributed mass. Journal of the Mechanics and Physics of Solids, 2005, 53, 1000-1014.	2.3	9
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