

# Huajiang Ouyang

## List of Publications by Citations

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258  
papers

5,003  
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38  
h-index

56  
g-index

275  
ext. papers

6,106  
ext. citations

3.4  
avg, IF

6.44  
L-index

#	Paper	IF	Citations
258	Numerical analysis of automotive disc brake squeal: a review. <i>International Journal of Vehicle Noise and Vibration</i> , <b>2005</b> , 1, 207	0.1	294
257	Moving-load dynamic problems: A tutorial (with a brief overview). <i>Mechanical Systems and Signal Processing</i> , <b>2011</b> , 25, 2039-2060	7.8	242
256	Complex eigenvalue analysis and dynamic transient analysis in predicting disc brake squeal. <i>International Journal of Vehicle Noise and Vibration</i> , <b>2006</b> , 2, 143	0.1	112
255	FRICION-INDUCED PARAMETRIC RESONANCES IN DISCS: EFFECT OF A NEGATIVE FRICIONVELOCITY RELATIONSHIP. <i>Journal of Sound and Vibration</i> , <b>1998</b> , 209, 251-264	3.9	104
254	A novel quasi-zero-stiffness strut and its applications in six-degree-of-freedom vibration isolation platform. <i>Journal of Sound and Vibration</i> , <b>2017</b> , 394, 59-74	3.9	100
253	Force transmissibility of a two-stage vibration isolation system with quasi-zero stiffness. <i>Nonlinear Dynamics</i> , <b>2017</b> , 87, 633-646	5	78
252	Experimental and theoretical studies of a bolted joint excited by a torsional dynamic load. <i>International Journal of Mechanical Sciences</i> , <b>2006</b> , 48, 1447-1455	5.5	77
251	Wear prediction of friction material and brake squeal using the finite element method. <i>Wear</i> , <b>2008</b> , 264, 1069-1076	3.5	71
250	Simplified models of bolted joints under harmonic loading. <i>Computers and Structures</i> , <b>2005</b> , 84, 25-33	4.5	67
249	Uncertainty quantification of squeal instability via surrogate modelling. <i>Mechanical Systems and Signal Processing</i> , <b>2015</b> , 60-61, 887-908	7.8	66
248	Linear eigenvalue analysis of the disc-brake squeal problem. <i>International Journal for Numerical Methods in Engineering</i> , <b>2004</b> , 61, 1546-1563	2.4	57
247	A methodology for the determination of dynamic instabilities in a car disc brake. <i>International Journal of Vehicle Design</i> , <b>2000</b> , 23, 241	2.4	57
246	Friction-induced vibration of an elastic slider on a vibrating disc. <i>International Journal of Mechanical Sciences</i> , <b>1999</b> , 41, 325-336	5.5	57
245	Assignment of natural frequencies by an added mass and one or more springs. <i>Mechanical Systems and Signal Processing</i> , <b>2004</b> , 18, 263-289	7.8	54
244	Local resonator with high-static-low-dynamic stiffness for lowering band gaps of flexural wave in beams. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 044902	2.5	52
243	A railway track dynamics model based on modal substructuring and a cyclic boundary condition. <i>Journal of Sound and Vibration</i> , <b>2011</b> , 330, 75-86	3.9	52
242	Structural modification. Part 2: assignment of natural frequencies and antiresonances by an added beam. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 284, 267-281	3.9	50

241	A finite element study on rail corrugation based on saturated creep force-induced self-excited vibration of a wheelset-track system. <i>Journal of Sound and Vibration</i> , <b>2010</b> , 329, 4643-4655	3.9	49
240	A Moving-Load Model for Disc-Brake Stability Analysis. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2003</b> , 125, 53-58	1.6	49
239	Structural modification. Part 1: rotational receptances. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 284, 249-265	3.9	49
238	Design and numerical validation of quasi-zero-stiffness metamaterials for very low-frequency band gaps. <i>Composite Structures</i> , <b>2020</b> , 236, 111862	5.3	49
237	Lower band gaps of longitudinal wave in a one-dimensional periodic rod by exploiting geometrical nonlinearity. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 124, 664-678	7.8	49
236	Active control of contact force for high-speed railway pantograph-catenary based on multi-body pantograph model. <i>Mechanism and Machine Theory</i> , <b>2017</b> , 115, 35-59	4	47
235	Vibration of a beam excited by a moving oscillator considering separation and reattachment. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 310, 1128-1140	3.9	47
234	Nonlinear dynamics of straight fluid-conveying pipes with general boundary conditions and additional springs and masses. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 7880-7900	4.5	47
233	A nonlinear resonator with inertial amplification for very low-frequency flexural wave attenuations in beams. <i>Nonlinear Dynamics</i> , <b>2019</b> , 96, 647-665	5	46
232	Chaos in an embedded single-walled carbon nanotube. <i>Nonlinear Dynamics</i> , <b>2013</b> , 72, 389-398	5	46
231	Shape optimization of coronary artery stent based on a parametric model. <i>Finite Elements in Analysis and Design</i> , <b>2009</b> , 45, 468-475	2.2	46
230	Dynamic Instability of an Elastic Disk Under the Action of a Rotating Friction Couple. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2004</b> , 71, 753-758	2.7	46
229	Design and experimental investigation of ultra-low frequency vibration isolation during neonatal transport. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 139, 106633	7.8	45
228	Experimental and numerical investigations of the piezoelectric energy harvesting via friction-induced vibration. <i>Energy Conversion and Management</i> , <b>2018</b> , 171, 1134-1149	10.6	45
227	Experimental and numerical studies of bolted joints subjected to axial excitation. <i>Wear</i> , <b>2016</b> , 346-347, 66-77	3.5	43
226	Low-frequency band gaps in a metamaterial rod by negative-stiffness mechanisms: Design and experimental validation. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 251902	3.4	42
225	A semi-active metamaterial beam with electromagnetic quasi-zero-stiffness resonators for ultralow-frequency band gap tuning. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 176, 105548	5.5	42
224	Vibration and squeal of a disc brake: Modelling and experimental results. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2003</b> , 217, 867-875	1.4	41

223	Partial eigenstructure assignment for undamped vibration systems using acceleration and displacement feedback. <i>Journal of Sound and Vibration</i> , <b>2014</b> , 333, 1-12	3.9	40
222	Experimental and numerical studies of friction-induced vibration and noise and the effects of groove-textured surfaces. <i>Mechanical Systems and Signal Processing</i> , <b>2014</b> , 46, 191-208	7.8	39
221	Triboelectric energy harvesting from the vibro-impact of three cantilevered beams. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 121, 509-531	7.8	39
220	A Six Degrees-of-Freedom Vibration Isolation Platform Supported by a Hexapod of Quasi-Zero-Stiffness Struts. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	38
219	Parametric resonances in an annular disc, with a rotating system of distributed mass and elasticity; and the effects of friction and damping. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>1997</b> , 453, 1-19	2.4	38
218	Parameter selection and stochastic model updating using perturbation methods with parameter weighting matrix assignment. <i>Mechanical Systems and Signal Processing</i> , <b>2012</b> , 32, 135-152	7.8	36
217	Study on self-loosening of bolted joints excited by dynamic axial load. <i>Tribology International</i> , <b>2017</b> , 115, 432-451	4.9	35
216	Nonlinear dynamics and triboelectric energy harvesting from a three-degree-of-freedom vibro-impact oscillator. <i>Nonlinear Dynamics</i> , <b>2018</b> , 92, 1985-2004	5	35
215	Mathematical modeling and analysis of a meta-plate for very low-frequency band gap. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 73, 581-597	4.5	34
214	Pole assignment of friction-induced vibration for stabilisation through state-feedback control. <i>Journal of Sound and Vibration</i> , <b>2010</b> , 329, 1985-1991	3.9	34
213	A prediction methodology of disk brake squeal using complex eigenvalue analysis. <i>International Journal of Vehicle Design</i> , <b>2008</b> , 46, 416	2.4	34
212	Noise performance improvements and tribological consequences of a pad-on-disc system through groove-textured disc surface. <i>Tribology International</i> , <b>2016</b> , 102, 222-236	4.9	32
211	Vibration isolation in neonatal transport by using a quasi-zero-stiffness isolator. <i>JVC/Journal of Vibration and Control</i> , <b>2018</b> , 24, 3278-3291	2	31
210	Eigenstructure assignment in undamped vibrating systems: A convex-constrained modification method based on receptances. <i>Mechanical Systems and Signal Processing</i> , <b>2012</b> , 27, 397-409	7.8	31
209	A combined analysis of heat conduction, contact pressure and transient vibration of a disk brake. <i>International Journal of Vehicle Design</i> , <b>2009</b> , 51, 190	2.4	31
208	Active assignment of eigenvalues and eigen-sensitivities for robust stabilization of friction-induced vibration. <i>Mechanical Systems and Signal Processing</i> , <b>2017</b> , 90, 254-267	7.8	30
207	Statistics of complex eigenvalues in friction-induced vibration. <i>Journal of Sound and Vibration</i> , <b>2015</b> , 338, 169-183	3.9	30
206	Passive modifications for partial assignment of natural frequencies of mass-spring systems. <i>Mechanical Systems and Signal Processing</i> , <b>2015</b> , 50-51, 214-226	7.8	29

205	Wave characteristics of single-walled fluid-conveying carbon nanotubes subjected to multi-physical fields. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2013</b> , 52, 97-105	3	29
204	Structural vibration and fluid-borne noise induced by turbulent flow through a 90° piping elbow with/without a guide vane. <i>International Journal of Pressure Vessels and Piping</i> , <b>2015</b> , 125, 66-77	2.4	28
203	Vibration analysis of a dual-rotor-bearing-double casing system with pedestal looseness and multi-stage turbine blade-casing rub. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 143, 106845	7.8	28
202	Inverse structural modifications of a geared rotor-bearing system for frequency assignment using measured receptances. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 110, 59-72	7.8	28
201	A hybrid control approach for pole assignment to second-order asymmetric systems. <i>Mechanical Systems and Signal Processing</i> , <b>2011</b> , 25, 123-132	7.8	28
200	Finite element analysis of wear and its effect on squeal generation. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2008</b> , 222, 1153-1165	1.4	28
199	An iterative method for solving the dynamic response of railway vehicle-track coupled systems based on prediction of wheel-rail forces. <i>Engineering Structures</i> , <b>2017</b> , 151, 297-311	4.7	26
198	Study on rail corrugation of a metro tangential track with Cologne-egg type fasteners. <i>Vehicle System Dynamics</i> , <b>2016</b> , 54, 353-369	2.8	26
197	Friction-induced vibration of an elastic disc and a moving slider with separation and reattachment. <i>Nonlinear Dynamics</i> , <b>2017</b> , 87, 1045-1067	5	26
196	On Automotive Disc Brake Squeal Part II: Simulation and Analysis <b>2003</b> ,		26
195	Multi-low-frequency flexural wave attenuation in Euler-Bernoulli beams using local resonators containing negative-stiffness mechanisms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2017</b> , 381, 3141-3148	2.3	25
194	A dynamic model for a rotating beam subjected to axially moving forces. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 308, 674-682	3.9	25
193	Eigenstructure assignment in vibrating systems based on receptances. <i>Archive of Applied Mechanics</i> , <b>2015</b> , 85, 713-724	2.2	24
192	Free vibration of wavy single-walled fluid-conveying carbon nanotubes in multi-physics fields. <i>Applied Mathematical Modelling</i> , <b>2015</b> , 39, 6780-6792	4.5	24
191	Effect of the wheel/rail contact angle and the direction of the saturated creep force on rail corrugation. <i>Wear</i> , <b>2015</b> , 330-331, 554-562	3.5	24
190	Receptance-Based Partial Pole Assignment for Asymmetric Systems Using State-Feedback. <i>Shock and Vibration</i> , <b>2012</b> , 19, 1135-1142	1.1	24
189	A nonlinear ultra-low-frequency vibration isolator with dual quasi-zero-stiffness mechanism. <i>Nonlinear Dynamics</i> , <b>2020</b> , 101, 755-773	5	24
188	Field investigation and numerical study of the rail corrugation caused by frictional self-excited vibration. <i>Wear</i> , <b>2017</b> , 376-377, 1919-1929	3.5	23

187	A linear complementarity method for dynamic analysis of bridges under moving vehicles considering separation and surface roughness. <i>Computers and Structures</i> , <b>2015</b> , 154, 135-144	4.5	23
186	Flow-induced noise analysis for 3D trash rack based on LES/Lighthill hybrid method. <i>Applied Acoustics</i> , <b>2014</b> , 79, 141-152	3.1	23
185	Pole assignment using state feedback with time delay in friction-induced vibration problems. <i>Acta Mechanica</i> , <b>2013</b> , 224, 645-656	2.1	23
184	Prediction and assignment of latent roots of damped asymmetric systems by structural modifications. <i>Mechanical Systems and Signal Processing</i> , <b>2009</b> , 23, 1920-1930	7.8	23
183	Experimental investigations of a multi-span flexible structure subjected to moving masses. <i>Journal of Sound and Vibration</i> , <b>2011</b> , 330, 2004-2016	3.9	23
182	Improving tribological behaviours and noise performance of railway disc brake by grooved surface texturing. <i>Wear</i> , <b>2017</b> , 376-377, 1586-1600	3.5	22
181	Effect of the unstable vibration of the disc brake system of high-speed trains on wheel polygonalization. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , <b>2020</b> , 234, 80-95	1.4	22
180	An efficient statistically equivalent reduced method on stochastic model updating. <i>Applied Mathematical Modelling</i> , <b>2013</b> , 37, 6079-6096	4.5	21
179	Numerical study of friction-induced vibration and noise on groove-textured surface. <i>Tribology International</i> , <b>2013</b> , 64, 1-7	4.9	21
178	Pole assignment for control of flexible link mechanisms. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 2884-2899	3.9	21
177	The effect of the grooved elastic damping component in reducing friction-induced vibration. <i>Tribology International</i> , <b>2017</b> , 110, 264-277	4.9	20
176	Modeling of fatigue crack propagation using dual boundary element method and Gaussian Monte Carlo method. <i>Engineering Analysis With Boundary Elements</i> , <b>2010</b> , 34, 297-305	2.6	20
175	Debris trapping and space-varying contact via surface texturing for enhanced noise performance. <i>Wear</i> , <b>2018</b> , 396-397, 86-97	3.5	20
174	How do grooves on friction interface affect tribological and vibration and squeal noise performance. <i>Tribology International</i> , <b>2017</b> , 109, 192-205	4.9	19
173	A new method of passive modifications for partial frequency assignment of general structures. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 99, 586-599	7.8	19
172	Finite-element modelling and updating of laser spot weld joints in a top-hat structure for dynamic analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2010</b> , 224, 851-861	1.3	19
171	A dual quasi-zero-stiffness sliding-mode triboelectric nanogenerator for harvesting ultralow-low frequency vibration energy. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 151, 107368	7.8	19
170	Contact behaviour and vibrational response of a high-speed train brake friction block. <i>Tribology International</i> , <b>2020</b> , 152, 106540	4.9	18

169	Optimal vibration control of beams subjected to a mass moving at constant speed. <i>JVC/Journal of Vibration and Control</i> , <b>2016</b> , 22, 3202-3217	2	18
168	Structural modification formula and iterative design method using multiple tuned mass dampers for structures subjected to moving loads. <i>Mechanical Systems and Signal Processing</i> , <b>2012</b> , 28, 542-560	7.8	18
167	A numerical-analytical combined method for vibration of a beam excited by a moving flexible body. <i>International Journal for Numerical Methods in Engineering</i> , <b>2007</b> , 72, 1181-1191	2.4	18
166	Anti-loosening performance of coatings on fasteners subjected to dynamic shear load. <i>Friction</i> , <b>2018</b> , 6, 32-46	5.6	18
165	Wave propagation analysis in nonlinear curved single-walled carbon nanotubes based on nonlocal elasticity theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2015</b> , 66, 283-292	3	17
164	Vibration control of beams subjected to a moving mass using a successively combined control method. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 4002-4015	4.5	17
163	Study on the Effect of Track Curve Radius on Friction-Induced Oscillation of a Wheelset-Track System. <i>Tribology Transactions</i> , <b>2019</b> , 62, 688-700	1.8	16
162	Partial quadratic eigenvalue assignment in vibrating systems using acceleration and velocity feedback. <i>Inverse Problems in Science and Engineering</i> , <b>2015</b> , 23, 479-497	1.3	16
161	A transient dynamic study of the self-excited vibration of a railway wheel set-track system induced by saturated creep forces. <i>Vehicle System Dynamics</i> , <b>2014</b> , 52, 1115-1138	2.8	16
160	Sliding Mode Control with PD Sliding Surface for High-Speed Railway Pantograph-Catenary Contact Force under Strong Stochastic Wind Field. <i>Shock and Vibration</i> , <b>2017</b> , 2017, 1-16	1.1	16
159	Discrete mass and stiffness modifications for the inverse eigenstructure assignment in vibrating systems: Theory and experimental validation. <i>International Journal of Mechanical Sciences</i> , <b>2012</b> , 64, 211-220	5.5	16
158	A Bounded Region of Disc-Brake Vibration Instability. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2001</b> , 123, 543-545	1.6	16
157	Nonlinear Friction-Induced Vibration of a Slider-Belt System. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2016</b> , 138,	1.6	16
156	Tunable low-frequency torsional-wave band gaps in a meta-shaft. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 055104	3	15
155	Friction-induced stick-slip vibration and its experimental validation. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 142, 106705	7.8	14
154	A Kriging Model Based Finite Element Model Updating Method for Damage Detection. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 1039	2.6	14
153	Robust multi-damage localisation using common eigenvector analysis and covariance matrix changes. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 111, 663-677	7.8	14
152	Improving Dynamic and Tribological Behaviours by Means of a Mn-Cu Damping Alloy with Grooved Surface Features. <i>Tribology Letters</i> , <b>2018</b> , 66, 1	2.8	14

151	A simple orbit-attitude coupled modelling method for large solar power satellites. <i>Acta Astronautica</i> , <b>2018</b> , 145, 83-92	2.9	14
150	Moving Force-Induced Vibration of a Rotating Beam with Elastic Boundary Conditions. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1450035	1.9	14
149	Dynamics of a truss structure and its moving-oscillator exciter with separation and impact reattachment. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2008</b> , 464, 2517-2533	2.4	14
148	Interface Pressure Distributions Through Structural Modifications <b>2003</b> ,		14
147	Baseline-free adaptive damage localization of plate-type structures by using robust PCA and Gaussian smoothing. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 122, 232-246	7.8	14
146	Static output feedback for partial eigenstructure assignment of undamped vibration systems. <i>Mechanical Systems and Signal Processing</i> , <b>2016</b> , 68-69, 555-561	7.8	13
145	Robust structural damage detection and localization based on joint approximate diagonalization technique in frequency domain. <i>Smart Materials and Structures</i> , <b>2017</b> , 26, 015005	3.4	13
144	Receptance based structural modification in a simple brake-clutch model for squeal noise suppression. <i>Mechanical Systems and Signal Processing</i> , <b>2017</b> , 90, 222-233	7.8	13
143	An indirect torsional vibration receptance measurement method for shaft structures. <i>Journal of Sound and Vibration</i> , <b>2016</b> , 372, 11-30	3.9	13
142	Dynamic Response of a Simplified Turbine Blade Model with Under-Platform Dry Friction Dampers Considering Normal Load Variation. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 228	2.6	13
141	Crack Identification of Cantilever Plates Based on a Kriging Surrogate Model. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2013</b> , 135, 510121-5101210	1.6	13
140	Self-excited vibration of workpieces in a turning process. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2012</b> , 226, 1958-1970	1.3	13
139	Lyapunov-based boundary control of a multi-span beam subjected to moving masses. <i>JVC/Journal of Vibration and Control</i> , <b>2017</b> , 23, 2221-2234	2	12
138	Squeal Noise of Friction Material With Groove-Textured Surface: An Experimental and Numerical Analysis. <i>Journal of Tribology</i> , <b>2016</b> , 138,	1.8	12
137	Vibration of a continuous beam with multiple elastic supports excited by a moving two-axle system with separation. <i>Meccanica</i> , <b>2009</b> , 44, 293-303	2.1	12
136	A receptance-based method for predicting latent roots and critical points in friction-induced vibration problems of asymmetric systems. <i>Journal of Sound and Vibration</i> , <b>2009</b> , 321, 1058-1068	3.9	12
135	Dynamics of a Rotating Shaft Subject to a Three-Directional Moving Load. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2007</b> , 129, 386-389	1.6	12
134	Disc surface modifications for enhanced performance against friction noise. <i>Applied Surface Science</i> , <b>2016</b> , 382, 101-110	6.7	12



133	Localization of breathing cracks in stepped rotors using super-harmonic characteristic deflection shapes based on singular value decomposition in frequency domain. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , <b>2017</b> , 40, 1825-1837	3	11
132	Nonlinear structural dynamics of a new sliding-mode triboelectric energy harvester with multistability. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 1941-1962	5	11
131	Random vibration of an elastic half-space subjected to a moving stochastic load. <i>Computers and Structures</i> , <b>2016</b> , 168, 92-105	4.5	11
130	Efficient SPH simulation of time-domain acoustic wave propagation. <i>Engineering Analysis With Boundary Elements</i> , <b>2016</b> , 62, 112-122	2.6	11
129	Friction-Induced, Self-Excited Vibration of a Pantograph-Catenary System. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2013</b> , 135,	1.6	11
128	Dynamic analysis of integrally shrouded group blades with rubbing and impact. <i>Nonlinear Dynamics</i> , <b>2018</b> , 92, 2159-2175	5	10
127	A Feature Extraction Method for Vibration Signal of Bearing Incipient Degradation. <i>Measurement Science Review</i> , <b>2016</b> , 16, 149-159	1.7	10
126	Vibration analysis of a complex fluid-conveying piping system with general boundary conditions using the receptance method. <i>International Journal of Pressure Vessels and Piping</i> , <b>2018</b> , 166, 84-93	2.4	10
125	Vibration of a truss structure excited by a moving oscillator. <i>Journal of Sound and Vibration</i> , <b>2009</b> , 321, 721-734	3.9	10
124	Vibration of spinning discs and powder formation in centrifugal atomization. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2011</b> , 467, 361-380	2.4	10
123	Dynamics of a beam and a moving two-axle system with separation. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2008</b> , 222, 1947-1956	1.3	10
122	Stationary and non-stationary vibration of atomising discs. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 308, 699-708	3.9	10
121	Optimal suppression of parametric vibration in discs under rotating frictional loads. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2001</b> , 215, 65-75	1.3	10
120	Friction-induced vibration considering multiple types of nonlinearities. <i>Nonlinear Dynamics</i> , <b>2020</b> , 102, 2057-2075	5	10
119	An investigation of stick-slip oscillation of MnCu damping alloy as a friction material. <i>Tribology International</i> , <b>2020</b> , 146, 106024	4.9	10
118	Partial pole assignment with time delays for asymmetric systems. <i>Acta Mechanica</i> , <b>2018</b> , 229, 2619-2629	2.1	9
117	A new method of updating mass and stiffness matrices simultaneously with no spillover. <i>JVC/Journal of Vibration and Control</i> , <b>2016</b> , 22, 1181-1189	2	9
116	Dynamic behaviour of a bolted joint subjected to torsional excitation. <i>Tribology International</i> , <b>2019</b> , 140, 105877	4.9	9

115	Friction-induced vibration of a slider on an elastic disc spinning at variable speeds. <i>Nonlinear Dynamics</i> , <b>2019</b> , 98, 39-60	5	9
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