

Huajiang Ouyang

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.

258
papers

5,003
citations

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	An electromagnetic vibration energy harvester using a magnet-array-based vibration-to-rotation conversion mechanism. <i>Energy Conversion and Management</i> , 2022 , 253, 115146	10.6	4
257	Receptance-based partial eigenstructure assignment by state feedback control. <i>Mechanical Systems and Signal Processing</i> , 2022 , 168, 108728	7.8	1
256	A novel load-dependent sensor placement method for model updating based on time-dependent reliability optimization considering multi-source uncertainties. <i>Mechanical Systems and Signal Processing</i> , 2022 , 165, 108386	7.8	6
255	Friction-induced vibration of a slider-on-rotating-disc system considering uniform and non-uniform friction characteristics with bi-stability. <i>Mechanical Systems and Signal Processing</i> , 2022 , 164, 108222	7.8	2
254	Receptance-based antiresonant frequency assignment of an uncertain dynamic system using interval multiobjective optimization method. <i>Journal of Sound and Vibration</i> , 2022 , 116944	3.9	4
253	Dynamic Characteristics Analysis of a Coupled Multi-crack Rotor System. <i>Journal of Physics: Conference Series</i> , 2022 , 2184, 012040	0.3	0
252	A vibro-impact triboelectric energy harvester with a magnetic bistable mechanism and grating-patterned films for dual power enhancement. <i>Mechanical Systems and Signal Processing</i> , 2022 , 178, 109318	7.8	1
251	Receptance-based natural frequency assignment of a real fluid-conveying pipeline system with interval uncertainty. <i>Mechanical Systems and Signal Processing</i> , 2022 , 179, 109321	7.8	0
250	Nonlinear dynamic instability of wrinkled film-substrate structure under axial load. <i>Nonlinear Dynamics</i> , 2021 , 106, 2807-2827	5	0
249	A multifunctional electromagnetic device for vibration energy harvesting and rail corrugation sensing. <i>Smart Materials and Structures</i> , 2021 , 30, 125012	3.4	0
248	Numerical and experimental investigations into feedback control of continuous beam structures under moving loads. <i>Archive of Applied Mechanics</i> , 2021 , 91, 2641-2659	2.2	1
247	Continuous manipulation of acoustic wavefront using a programmable acoustic metasurface. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 305302	3	1
246	Insights into instability of friction-induced vibration of multi-degree-of-freedom models. <i>Journal of Sound and Vibration</i> , 2021 , 503, 116107	3.9	3
245	Stochastic response of a piezoelectric ribbon-substrate structure under Gaussian white noise. <i>Acta Mechanica</i> , 2021 , 232, 3687-3700	2.1	
244	2.5D modelling of wave propagation in longitudinally curved viscoelastic structure using a coupled FEM-PML approach. <i>Engineering Structures</i> , 2021 , 226, 111337	4.7	3
243	Receptance-based frequency assignment for assembled structures. <i>JVC/Journal of Vibration and Control</i> , 2021 , 27, 1573-1583	2	1
242	A dual quasi-zero-stiffness sliding-mode triboelectric nanogenerator for harvesting ultralow-low frequency vibration energy. <i>Mechanical Systems and Signal Processing</i> , 2021 , 151, 107368	7.8	19

241	Simultaneous energy harvesting and tribological property improvement. <i>Friction</i> , 2021 , 9, 1275-1291	5.6	2
240	Theoretical investigation and experiment of a disc-shaped triboelectric energy harvester with a magnetic bistable mechanism. <i>Smart Materials and Structures</i> , 2021 , 30, 095026	3.4	0
239	Coefficient of friction random field modelling and analysis in planar sliding. <i>Journal of Sound and Vibration</i> , 2021 , 508, 116197	3.9	3
238	Nonlinear dynamic analysis for a corrugated thin film on a pre-strained finite-thickness bi-layer substrate. <i>Applied Mathematical Modelling</i> , 2021 , 98, 652-664	4.5	1
237	Analysis, design and testing of a rolling magnet harvester with diametrical magnetization for train vibration. <i>Applied Energy</i> , 2021 , 300, 117373	10.7	4
236	A capsule-structured triboelectric energy harvester with stick-slip vibration and vibro-impact. <i>Energy</i> , 2021 , 235, 121393	7.9	7
235	A nonlinear hybrid energy harvester with high ultralow-frequency energy harvesting performance. <i>Meccanica</i> , 2021 , 56, 461-480	2.1	7
234	Robust Baseline-Free Damage Localization by Using Locally Perturbed Dynamic Equilibrium and Data Fusion Technique. <i>Sensors</i> , 2020 , 20,	3.8	1
233	Nonlinear structural dynamics of a new sliding-mode triboelectric energy harvester with multistability. <i>Nonlinear Dynamics</i> , 2020 , 100, 1941-1962	5	11
232	Friction-induced stick-slip vibration and its experimental validation. <i>Mechanical Systems and Signal Processing</i> , 2020 , 142, 106705	7.8	14
231	Crack localization in stepped rotors based on Bayesian fusion of multiscale superharmonic characteristic deflection shapes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 2200-2213	3	2
230	Influence of Random Multi-Point Seismic Excitations on the Safety Performance of a Train Running on a Long-Span Bridge. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2050054	1.9	2
229	Effects of electrical properties on vibrations via electromechanical coupling in triboelectric energy harvesting. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 215501	3	7
228	Contact behaviour and vibrational response of a high-speed train brake friction block. <i>Tribology International</i> , 2020 , 152, 106540	4.9	18
227	Suppression of friction-induced-vibration in MDoF systems using tangential harmonic excitation. <i>Meccanica</i> , 2020 , 55, 1525-1542	2.1	2
226	A semi-active metamaterial beam with electromagnetic quasi-zero-stiffness resonators for ultralow-frequency band gap tuning. <i>International Journal of Mechanical Sciences</i> , 2020 , 176, 105548	5.5	42
225	Design and experimental investigation of ultra-low frequency vibration isolation during neonatal transport. <i>Mechanical Systems and Signal Processing</i> , 2020 , 139, 106633	7.8	45
224	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> , 2020 , 143, 106845	7.8	28

223	Influence of the Friction Block Shape and Installation Angle of High-Speed Train Brakes on Brake Noise. <i>Journal of Tribology</i> , 2020 , 142,	1.8	2
222	Vibration analyses of linear isolators incorporating a quasi-zero stiffness and an inerter simultaneously. <i>Vibroengineering PROCEDIA</i> , 2020 , 32, 69-74	0.4	2
221	Dynamic behaviour of piezoelectric nanoribbons with wavy configurations on an elastomeric substrate. <i>International Journal of Mechanical Sciences</i> , 2020 , 182, 105787	5.5	4
220	Modelling, simulation, and experimental verification of a pendulum-flywheel vibrational energy harvester. <i>Smart Materials and Structures</i> , 2020 , 29, 115023	3.4	8
219	A receptance-based method for frequency assignment via coupling of subsystems. <i>Archive of Applied Mechanics</i> , 2020 , 90, 449-465	2.2	3
218	Field measurement and model prediction of rail corrugation. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2020 , 234, 381-392	1.4	9
217	Design and numerical validation of quasi-zero-stiffness metamaterials for very low-frequency band gaps. <i>Composite Structures</i> , 2020 , 236, 111862	5.3	49
216	Nonlinear vibration of buckled nanowires on a compliant substrate. <i>Applied Mathematical Modelling</i> , 2020 , 79, 230-242	4.5	8
215	Bayesian identification of bolted-joint parameters using measured power spectral density. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2020 , 234, 260-274	0.8	
214	Partial Frequency Assignment for Torsional Vibration Control of Complex Marine Propulsion Shafting Systems. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 147	2.6	3
213	Friction-induced vibration considering multiple types of nonlinearities. <i>Nonlinear Dynamics</i> , 2020 , 102, 2057-2075	5	10
212	A nonlinear ultra-low-frequency vibration isolator with dual quasi-zero-stiffness mechanism. <i>Nonlinear Dynamics</i> , 2020 , 101, 755-773	5	24
211	Performance Analyses of Passive Vibration Isolator with Parallel Connection of Quasi-Zero Stiffness and Inerter Dampers. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6894	2.6	2
210	Modal Strain Energy-Based Model Updating Method for Damage Identification on Beam-Like Structures. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020246	3	5
209	Nonlinear Dynamic Analysis of Lifting Mechanism of an Electric Overhead Crane during Emergency Braking. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8334	2.6	0
208	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> , 2020 , 234, 80-95	1.4	22
207	Stability test and dominant eigenvalues computation for second-order linear systems with multiple time-delays using receptance method. <i>Mechanical Systems and Signal Processing</i> , 2020 , 137, 106180	7.8	5
206	An investigation of stick-slip oscillation of MnCu damping alloy as a friction material. <i>Tribology International</i> , 2020 , 146, 106024	4.9	10

205	Finite Element Modelling and Damage Detection of Seam Weld. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 51-62	0.4	1
204	Non-Linear Vibration Isolators with Unknown Excitation and Unmodelled Dynamics: Sliding Mode Active Control. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3567	2.6	1
203	Dynamic performance of a rotor system with an initial bow and coupling faults of imbalance-rub during whirling motion. <i>Journal of Mechanical Science and Technology</i> , 2019 , 33, 4645-4657	1.6	1
202	A Super-Harmonic Feature Based Updating Method for Crack Identification in Rotors Using a Kriging Surrogate Model. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2428	2.6	8
201	Low-frequency band gaps in a metamaterial rod by negative-stiffness mechanisms: Design and experimental validation. <i>Applied Physics Letters</i> , 2019 , 114, 251902	3.4	42
200	Tuneable gradient Helmholtz-resonator-based acoustic metasurface for acoustic focusing. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 385303	3	8
199	Self-loosening of bolted L-stub connections under a cyclic separating load. <i>Wear</i> , 2019 , 426-427, 662-675	3.5	3
198	Mathematical modeling and analysis of a meta-plate for very low-frequency band gap. <i>Applied Mathematical Modelling</i> , 2019 , 73, 581-597	4.5	34
197	Adaptive damage localization based on locally perturbed dynamic equilibrium and hierarchical clustering. <i>Smart Materials and Structures</i> , 2019 , 28, 075003	3.4	3
196	Combined approach for analysing evolutionary power spectra of a track-soil system under moving random loads. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019 , 35, 674-690	2	1
195	Study on the Effect of Track Curve Radius on Friction-Induced Oscillation of a Wheelset-Track System. <i>Tribology Transactions</i> , 2019 , 62, 688-700	1.8	16
194	A nonlinear resonator with inertial amplification for very low-frequency flexural wave attenuations in beams. <i>Nonlinear Dynamics</i> , 2019 , 96, 647-665	5	46
193	Numerical investigation of the effects of rail vibration absorbers on wear behaviour of rail surface. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2019 , 233, 424-438	1.4	7
192	Dynamic reliability evaluation of vehicle-track coupled systems considering the randomness of suspension and wheel-rail parameters. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2019 , 233, 1106-1121	0.8	1
191	Dynamic behaviour of a bolted joint subjected to torsional excitation. <i>Tribology International</i> , 2019 , 140, 105877	4.9	9
190	Friction-induced vibration of a slider on an elastic disc spinning at variable speeds. <i>Nonlinear Dynamics</i> , 2019 , 98, 39-60	5	9
189	Identification of torsional receptances. <i>Mechanical Systems and Signal Processing</i> , 2019 , 126, 116-136	7.8	5
188	Lower band gaps of longitudinal wave in a one-dimensional periodic rod by exploiting geometrical nonlinearity. <i>Mechanical Systems and Signal Processing</i> , 2019 , 124, 664-678	7.8	49

187	Modeling uncertainties of vehicle-track coupled dynamic systems. <i>Mechanics Based Design of Structures and Machines</i> , 2019 , 1-22	1.7	4
186	A Novel Method for Identifying Crack and Shaft Misalignment Faults in Rotor Systems under Noisy Environments Based on CNN. <i>Sensors</i> , 2019 , 19,	3.8	8
185	Receptance-Based Dominant Eigenvalues Computation of Controlled Vibrating Systems with Multiple Time-Delays Using a Contour Integral Method. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5263	2.6	1
184	Feature recognition of small amplitude hunting signals based on the MPE-LTSA in high-speed trains. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 131, 452-460	4.6	5
183	Self-loosening behavior of bolted joints subjected to dynamic shear load. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1940009	1.1	5
182	Baseline-free adaptive damage localization of plate-type structures by using robust PCA and Gaussian smoothing. <i>Mechanical Systems and Signal Processing</i> , 2019 , 122, 232-246	7.8	14
181	Tunable low-frequency torsional-wave band gaps in a meta-shaft. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 055104	3	15
180	The effects of grooved rubber blocks on stick-slip and wear behaviours. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019 , 233, 2939-2954	1.4	2
179	Baseline-free multidamage identification in plate-like structures by using multiscale approach and low-rank modelling. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2293	4.5	7
178	Triboelectric energy harvesting from the vibro-impact of three cantilevered beams. <i>Mechanical Systems and Signal Processing</i> , 2019 , 121, 509-531	7.8	39
177	An explicit formula of perturbing stiffness matrix for partial natural frequency assignment using static output feedback. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2018 , 37, 1045-1052 ¹⁻⁵	1.5	3
176	Partial pole assignment with time delays for asymmetric systems. <i>Acta Mechanica</i> , 2018 , 229, 2619-2629 ²⁻¹	2.1	9
175	Robust multi-damage localisation using common eigenvector analysis and covariance matrix changes. <i>Mechanical Systems and Signal Processing</i> , 2018 , 111, 663-677	7.8	14
174	Frequency domain analysis method of nonstationary random vibration based on evolutionary spectral representation. <i>Engineering Computations</i> , 2018 , 35, 1098-1127	1.4	1
173	Random vibration of vehicle with hysteretic nonlinear suspension under road roughness excitation. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401775122	1.2	3
172	Improving Dynamic and Tribological Behaviours by Means of a Mn-Cu Damping Alloy with Grooved Surface Features. <i>Tribology Letters</i> , 2018 , 66, 1	2.8	14
171	Dynamic analysis of integrally shrouded group blades with rubbing and impact. <i>Nonlinear Dynamics</i> , 2018 , 92, 2159-2175	5	10
170	A simple orbit-attitude coupled modelling method for large solar power satellites. <i>Acta Astronautica</i> , 2018 , 145, 83-92	2.9	14

169	Inverse structural modifications of a geared rotor-bearing system for frequency assignment using measured receptances. <i>Mechanical Systems and Signal Processing</i> , 2018 , 110, 59-72	7.8	28
168	Nonlinear dynamics and triboelectric energy harvesting from a three-degree-of-freedom vibro-impact oscillator. <i>Nonlinear Dynamics</i> , 2018 , 92, 1985-2004	5	35
167	Vibration isolation in neonatal transport by using a quasi-zero-stiffness isolator. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 3278-3291	2	31
166	A new method of passive modifications for partial frequency assignment of general structures. <i>Mechanical Systems and Signal Processing</i> , 2018 , 99, 586-599	7.8	19
165	Dynamic Responses of a Four-Span Continuous Plate Structure Subjected to Moving Cars With Time-Varying Speeds. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2018 , 140,	1.6	5
164	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> , 2018 , 166, 84-93	2.4	10
163	Model reduction for friction-induced vibration of multi-degree-of-freedom systems and experimental validation. <i>International Journal of Mechanical Sciences</i> , 2018 , 145, 106-119	5.5	8
162	A multi-sensor fusion framework for detecting small amplitude hunting of high-speed trains. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 3797-3808	2	7
161	Debris trapping and space-varying contact via surface texturing for enhanced noise performance. <i>Wear</i> , 2018 , 396-397, 86-97	3.5	20
160	Anti-loosening performance of coatings on fasteners subjected to dynamic shear load. <i>Friction</i> , 2018 , 6, 32-46	5.6	18
159	Output-Only Damage Identification Using Enhanced Structural Characteristic Deflection Shapes and Adaptive Gapped Smoothing Method. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2018 , 140,	1.6	6
158	Experimental and numerical studies of bolted joints subjected to torsional excitation. <i>Modern Physics Letters B</i> , 2018 , 32, 1840083	1.6	1
157	Experimental and numerical investigations of the piezoelectric energy harvesting via friction-induced vibration. <i>Energy Conversion and Management</i> , 2018 , 171, 1134-1149	10.6	45
156	Lyapunov-based boundary control of a multi-span beam subjected to moving masses. <i>JVC/Journal of Vibration and Control</i> , 2017 , 23, 2221-2234	2	12
155	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> , 2017 , 139,	1.6	38
154	Robust structural damage detection and localization based on joint approximate diagonalization technique in frequency domain. <i>Smart Materials and Structures</i> , 2017 , 26, 015005	3.4	13
153	Local resonator with high-static-low-dynamic stiffness for lowering band gaps of flexural wave in beams. <i>Journal of Applied Physics</i> , 2017 , 121, 044902	2.5	52
152	A novel quasi-zero-stiffness strut and its applications in six-degree-of-freedom vibration isolation platform. <i>Journal of Sound and Vibration</i> , 2017 , 394, 59-74	3.9	100

151	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> , 2017 , 40, 1825-1837	3	11
150	The effect of the grooved elastic damping component in reducing friction-induced vibration. <i>Tribology International</i> , 2017 , 110, 264-277	4.9	20
149	Numerical Studies of Vibration of Four-Span Continuous Plate with Rails Excited by Moving Car with Experimental Validation. <i>International Journal of Structural Stability and Dynamics</i> , 2017 , 17, 1750119	1.9	8
148	Active control of contact force for high-speed railway pantograph-catenary based on multi-body pantograph model. <i>Mechanism and Machine Theory</i> , 2017 , 115, 35-59	4	47
147	Improving tribological behaviours and noise performance of railway disc brake by grooved surface texturing. <i>Wear</i> , 2017 , 376-377, 1586-1600	3.5	22
146	Field investigation and numerical study of the rail corrugation caused by frictional self-excited vibration. <i>Wear</i> , 2017 , 376-377, 1919-1929	3.5	23
145	Aerodynamic noise numerical simulation and noise reduction study on automobile alternator. <i>Journal of Mechanical Science and Technology</i> , 2017 , 31, 2047-2055	1.6	2
144	Study on self-loosening of bolted joints excited by dynamic axial load. <i>Tribology International</i> , 2017 , 115, 432-451	4.9	35
143	How do grooves on friction interface affect tribological and vibration and squeal noise performance. <i>Tribology International</i> , 2017 , 109, 192-205	4.9	19
142	Active assignment of eigenvalues and eigen-sensitivities for robust stabilization of friction-induced vibration. <i>Mechanical Systems and Signal Processing</i> , 2017 , 90, 254-267	7.8	30
141	Receptance based structural modification in a simple brake-clutch model for squeal noise suppression. <i>Mechanical Systems and Signal Processing</i> , 2017 , 90, 222-233	7.8	13
140	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> , 2017 , 151, 297-311	4.7	26
139	Dynamic Analysis of an Infinitely Long Beam Resting on a Kelvin Foundation under Moving Random Loads. <i>Shock and Vibration</i> , 2017 , 2017, 1-13	1.1	1
138	A new frequency matching technique for FRF-based model updating. <i>Journal of Physics: Conference Series</i> , 2017 , 842, 012013	0.3	2
137	Multi-damage identification based on joint approximate diagonalisation and robust distance measure. <i>Journal of Physics: Conference Series</i> , 2017 , 842, 012022	0.3	1
136	A Kriging Model Based Finite Element Model Updating Method for Damage Detection. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 1039	2.6	14
135	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> , 2017 , 381, 3141-3148	2.3	25
134	Stick-slip vibration of a friction damper for energy dissipation. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401771392	1.2	7

133	Friction-induced vibration of an elastic disc and a moving slider with separation and reattachment. <i>Nonlinear Dynamics</i> , 2017 , 87, 1045-1067	5	26
132	Force transmissibility of a two-stage vibration isolation system with quasi-zero stiffness. <i>Nonlinear Dynamics</i> , 2017 , 87, 633-646	5	78
131	Dynamic Response of a Simplified Turbine Blade Model with Under-Platform Dry Friction Dampers Considering Normal Load Variation. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 228	2.6	13
130	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> , 2017 , 2017, 1-16	1.1	16
129	A case study of rail corrugation phenomenon based on the viewpoint of friction-induced oscillation of a wheelset-track system. <i>Journal of Vibroengineering</i> , 2017 , 19, 4516-4530	0.5	6
128	Static output feedback for partial eigenstructure assignment of undamped vibration systems. <i>Mechanical Systems and Signal Processing</i> , 2016 , 68-69, 555-561	7.8	13
127	A Feature Extraction Method for Vibration Signal of Bearing Incipient Degradation. <i>Measurement Science Review</i> , 2016 , 16, 149-159	1.7	10
126	Noise performance improvements and tribological consequences of a pad-on-disc system through groove-textured disc surface. <i>Tribology International</i> , 2016 , 102, 222-236	4.9	32
125	Optimal vibration control of beams subjected to a mass moving at constant speed. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 3202-3217	2	18
124	A new method of updating mass and stiffness matrices simultaneously with no spillover. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 1181-1189	2	9
123	Vibration control of beams subjected to a moving mass using a successively combined control method. <i>Applied Mathematical Modelling</i> , 2016 , 40, 4002-4015	4.5	17
122	Random vibration of an elastic half-space subjected to a moving stochastic load. <i>Computers and Structures</i> , 2016 , 168, 92-105	4.5	11
121	An indirect torsional vibration receptance measurement method for shaft structures. <i>Journal of Sound and Vibration</i> , 2016 , 372, 11-30	3.9	13
120	Study on rail corrugation of a metro tangential track with Cologne-egg type fasteners. <i>Vehicle System Dynamics</i> , 2016 , 54, 353-369	2.8	26
119	Squeal Noise of Friction Material With Groove-Textured Surface: An Experimental and Numerical Analysis. <i>Journal of Tribology</i> , 2016 , 138,	1.8	12
118	Experimental and numerical studies of bolted joints subjected to axial excitation. <i>Wear</i> , 2016 , 346-347, 66-77	3.5	43
117	Efficient SPH simulation of time-domain acoustic wave propagation. <i>Engineering Analysis With Boundary Elements</i> , 2016 , 62, 112-122	2.6	11
116	Structural Modifications for Torsional Vibration Control of Shafting Systems Based on Torsional Receptances. <i>Shock and Vibration</i> , 2016 , 2016, 1-8	1.1	5

115	Multicrack Localization in Rotors Based on Proper Orthogonal Decomposition Using Fractal Dimension and Gapped Smoothing Method. <i>Shock and Vibration</i> , 2016 , 2016, 1-17	1.1	3
114	Model-based active control of a continuous structure subjected to moving loads. <i>Journal of Physics: Conference Series</i> , 2016 , 744, 012001	0.3	1
113	Nonlinear Friction-Induced Vibration of a SliderBelt System. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2016 , 138,	1.6	16
112	Nonlinear dynamics of straight fluid-conveying pipes with general boundary conditions and additional springs and masses. <i>Applied Mathematical Modelling</i> , 2016 , 40, 7880-7900	4.5	47
111	Disc surface modifications for enhanced performance against friction noise. <i>Applied Surface Science</i> , 2016 , 382, 101-110	6.7	12
110	Uncertainty quantification of squeal instability via surrogate modelling. <i>Mechanical Systems and Signal Processing</i> , 2015 , 60-61, 887-908	7.8	66
109	A linear complementarity method for dynamic analysis of bridges under moving vehicles considering separation and surface roughness. <i>Computers and Structures</i> , 2015 , 154, 135-144	4.5	23
108	Eigenstructure assignment in vibrating systems based on receptances. <i>Archive of Applied Mechanics</i> , 2015 , 85, 713-724	2.2	24
107	Input force estimation accounting for modeling errors and noise in responses. <i>Archive of Applied Mechanics</i> , 2015 , 85, 909-919	2.2	4
106	Multi-damage localization in plate structure using frequency response function-based indices. <i>Journal of Physics: Conference Series</i> , 2015 , 628, 012004	0.3	1
105	Blind Source Separation and Dynamic Fuzzy Neural Network for Fault Diagnosis in Machines. <i>Journal of Physics: Conference Series</i> , 2015 , 628, 012070	0.3	1
104	A New Direct Method for Updating Mass and Stiffness Matrices with No Spillover. <i>Mechanisms and Machine Science</i> , 2015 , 609-618	0.3	0
103	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> , 2015 , 125, 66-77	2.4	28
102	Statistics of complex eigenvalues in friction-induced vibration. <i>Journal of Sound and Vibration</i> , 2015 , 338, 169-183	3.9	30
101	Passive modifications for partial assignment of natural frequencies of mass-spring systems. <i>Mechanical Systems and Signal Processing</i> , 2015 , 50-51, 214-226	7.8	29
100	Partial quadratic eigenvalue assignment in vibrating systems using acceleration and velocity feedback. <i>Inverse Problems in Science and Engineering</i> , 2015 , 23, 479-497	1.3	16
99	Heat Transfer and Thermoelastic Dynamics of a Rotating Flexible Disc in a Hard Disc Drive. <i>Mechanisms and Machine Science</i> , 2015 , 599-608	0.3	
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