

# Michael Friswell

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

533  
papers

17,081  
citations

63  
h-index

111  
g-index

572  
ext. papers

19,667  
ext. citations

3.3  
avg, IF

7.2  
L-index

#	Paper	IF	Citations
533	Finite Element Model Updating Using a Shuffled Complex Evolution Markov Chain Algorithm. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2023</b> , 21-29	0.3	
532	Bayesian Finite Element Model Updating Using an Improved Evolution Markov Chain Algorithm. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2022</b> , 163-174	0.3	
531	Parametric Amplification in a Stochastic Nonlinear Piezoelectric Energy Harvester Via Machine Learning. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2022</b> , 283-291	0.3	
530	Powering smart pipes with fluid flow: Effect of velocity profiles. <i>Computers and Structures</i> , <b>2022</b> , 258, 106680	4.5	0
529	Harmonic-Balance-Based parameter estimation of nonlinear structures in the presence of Multi-Harmonic response and force. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 162, 108057	7.8	1
528	Experimental validation of inertial twist concept for rotor blade application. <i>Composite Structures</i> , <b>2022</b> , 288, 115414	5.3	0
527	Model Updating <b>2022</b> , 897-949		
526	Bayesian Finite Element Model Updating Using a Population Markov Chain Monte Carlo Algorithm. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2021</b> , 259-269	0.3	1
525	Multilevel Decomposition Framework for Reliability Assessment of Assembled Stochastic Linear Structural Systems. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , <b>2021</b> , 7, 04021003	1.7	0
524	Mode Shape Description and Model Updating of Axisymmetric Structures Using Radial Tchebichef Moment Descriptors. <i>Shock and Vibration</i> , <b>2021</b> , 2021, 1-19	1.1	2
523	Aeroelastic Stability Analysis of Electric Aircraft Wings with Distributed Electric Propulsors. <i>Aerospace</i> , <b>2021</b> , 8, 100	2.5	4
522	Aeroelastic model and analysis of an active camber morphing wing. <i>Aerospace Science and Technology</i> , <b>2021</b> , 111, 106534	4.9	28
521	Support position optimization with minimum stiffness for plate structures including support mass. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 499, 116003	3.9	5
520	Experimental Study of Rotor-Stator Contact Cycles. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 502, 116097	3.9	2
519	Continuation analysis of a nonlinear rotor system. <i>Nonlinear Dynamics</i> , <b>2021</b> , 105, 25-43	5	0
518	Robust topological designs for extreme metamaterial micro-structures. <i>Scientific Reports</i> , <b>2021</b> , 11, 15224	19	1
517	On the sensitivity of the equivalent dynamic stiffness mapping technique to measurement noise and modelling error. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 89, 225-248	4.5	2

516	Vibration of viscoelastic axially graded beams with simultaneous axial and spinning motions under an axial load. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 90, 131-150	4.5	26
515	Gaussian process assisted stochastic dynamic analysis with applications to near-periodic structures. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 149, 107218	7.8	9
514	Recent developments in the aeroelasticity of morphing aircraft. <i>Progress in Aerospace Sciences</i> , <b>2021</b> , 120, 100682	8.8	20
513	Model Updating <b>2021</b> , 1-53		
512	Aircraft turbulence and gust identification using simulated in-flight data. <i>Aerospace Science and Technology</i> , <b>2021</b> , 115, 106805	4.9	4
511	Probability analysis of bistable composite laminates using the subset simulation method. <i>Composite Structures</i> , <b>2021</b> , 271, 114120	5.3	6
510	Nonlinear rotordynamics of a MDOF rotor-bearing contact system subjected to frictional and gravitational effects. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 159, 107776	7.8	2
509	Experimental study of lag-twist coupling concept for rotor blade application. <i>Composite Structures</i> , <b>2021</b> , 275, 114417	5.3	1
508	Multiharmonic Resonance Control Testing of an Internally Resonant Structure. <i>Vibration</i> , <b>2020</b> , 3, 217-234		
507	Explanation of the onset of bouncing cycles in isotropic rotor dynamics; a grazing bifurcation analysis. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2020</b> , 476, 20190549	2.4	4
506	A high-order FEM formulation for free and forced vibration analysis of a nonlocal nonlinear graded Timoshenko nanobeam based on the weak form quadrature element method. <i>Archive of Applied Mechanics</i> , <b>2020</b> , 90, 2133-2156	2.2	7
505	Energy harvesting from the secondary resonances of a nonlinear piezoelectric beam under hard harmonic excitation. <i>Meccanica</i> , <b>2020</b> , 55, 1463-1479	2.1	5
504	On post-resonance backward whirl in an overhung rotor with snubbing contact. <i>Nonlinear Dynamics</i> , <b>2020</b> , 101, 741-754	5	2
503	Mode shape transformation for model error localization with modal strain energy. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 473, 115230	3.9	2
502	Uncertainty propagation in dynamic sub-structuring by model reduction integrated domain decomposition. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2020</b> , 366, 113060	5.7	5
501	Experimental characterisation of asynchronous partially contacting motion in a multiple-degree-of-freedom rotor system. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 145, 106904	7.8	4
500	The vibration of two-dimensional imperfect functionally graded (2D-FG) porous rotating nanobeams based on general nonlocal theory. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 144, 106854	7.8	22
499	Parameter Identification of a Strongly Nonlinear Rotor-Bearing System Based on Reconstructed Constant Response Tests. <i>Journal of Engineering for Gas Turbines and Power</i> , <b>2020</b> , 142,	1.7	1

498	Fuzzy uncertainty analysis and reliability assessment of aeroelastic aircraft wings. <i>Aeronautical Journal</i> , <b>2020</b> , 124, 786-811	0.9	3
497	Model Updating <b>2020</b> , 1-53		1
496	Design, analysis, and feedback control of a nonlinear micro-piezoelectric-electrostatic energy harvester. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 3029-3042	5	2
495	Measurement of multivalued response curves of a strongly nonlinear system by exploiting exciter dynamics. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 140, 106474	7.8	9
494	Predicting global strain limits for corrugated panels. <i>Composite Structures</i> , <b>2020</b> , 231, 111472	5.3	3
493	Evaluation of optimal sensor placement algorithms for the Structural Health Monitoring of architectural heritage. Application to the Monastery of San Jerónimo de Buenavista (Seville, Spain). <i>Engineering Structures</i> , <b>2020</b> , 202, 109843	4.7	14
492	On wave propagation in two-dimensional functionally graded porous rotating nano-beams using a general nonlocal higher-order beam model. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 80, 169-190	4.5	35
491	Passive energy balancing design for a linear actuated morphing wingtip structure. <i>Aerospace Science and Technology</i> , <b>2020</b> , 107, 106279	4.9	4
490	Optimisation of the Filament Winding Approach Using a Newly Developed In-House Uncertainty Model. <i>Eng</i> , <b>2020</b> , 1, 122-136	0.7	3
489	Twist morphing of a composite rotor blade using a novel metamaterial. <i>Composite Structures</i> , <b>2020</b> , 254, 112855	5.3	8
488	The effect of curved tips on the dynamics of composite rotor blades. <i>Aerospace Science and Technology</i> , <b>2020</b> , 106, 106197	4.9	5
487	Aeroelastic stability analysis of aircraft wings with initial curvature. <i>Aerospace Science and Technology</i> , <b>2020</b> , 107, 106241	4.9	11
486	On the Effects of Structural Coupling on Piezoelectric Energy Harvesting Systems Subject to Random Base Excitation. <i>Aerospace</i> , <b>2020</b> , 7, 93	2.5	1
485	Enhancement of harvesting capability of coupled nonlinear energy harvesters through high energy orbits. <i>AIP Advances</i> , <b>2020</b> , 10, 085315	1.5	5
484	Measurement of the multivalued phase curves of a strongly nonlinear system by fixed frequency tests. <i>Archive of Applied Mechanics</i> , <b>2020</b> , 90, 2543-2560	2.2	0
483	Aeroelastic Stability Analysis of Tailored Pretwisted Wings. <i>AIAA Journal</i> , <b>2019</b> , 57, 4458-4466	2.1	8
482	Experimental validation of an impact off-resonance energy harvester. <i>European Physical Journal: Special Topics</i> , <b>2019</b> , 228, 1635-1646	2.3	1
481	The effect of preload and surface roughness quality on linear joint model parameters. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 447, 186-204	3.9	7

480	Frictional effects on the nonlinear dynamics of an overhung rotor. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2019</b> , 78, 104875	3.7	13
479	Bidirectional Spiral Pulley Negative Stiffness Mechanism for Passive Energy Balancing. <i>Journal of Mechanisms and Robotics</i> , <b>2019</b> , 11,	2.2	5
478	Lag-twist coupling sensitivity and design for a composite blade cross-section with D-spar. <i>Aerospace Science and Technology</i> , <b>2019</b> , 91, 539-547	4.9	4
477	Identification of weak nonlinearities in MDOF systems based on reconstructed constant response tests. <i>Archive of Applied Mechanics</i> , <b>2019</b> , 89, 2053-2074	2.2	7
476	Stochastic modelling and updating of a joint contact interface. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 129, 645-658	7.8	16
475	Normal form analysis of bouncing cycles in isotropic rotor stator contact problems. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 155, 83-97	5.5	10
474	The effect of a movable mass on the aeroelastic stability of composite hingeless rotor blades in hover. <i>Journal of Fluids and Structures</i> , <b>2019</b> , 87, 124-136	3.1	11
473	Comparison of Constrained Parameterisation Strategies for Aerodynamic Optimisation of Morphing Leading Edge Airfoil. <i>Aerospace</i> , <b>2019</b> , 6, 31	2.5	5
472	Computational hygro-thermal vibration and buckling analysis of functionally graded sandwich microbeams. <i>Composites Part B: Engineering</i> , <b>2019</b> , 165, 785-797	10	20
471	Efficient acoustic energy harvesting by deploying magnetic restoring force. <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 105037	3.4	20
470	Conceptual-level evaluation of a variable stiffness skin for a morphing wing leading edge. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , <b>2019</b> , 233, 5703-5716	0.9	3
469	A Differential Evolution Markov Chain Monte Carlo Algorithm for Bayesian Model Updating. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2019</b> , 115-125	0.3	6
468	An Optimization-Based Framework for Nonlinear Model Selection and Identification. <i>Vibration</i> , <b>2019</b> , 2, 311-331	2	5
467	Dynamic behaviour of three-dimensional planetary geared rotor systems. <i>Mechanism and Machine Theory</i> , <b>2019</b> , 134, 39-56	4	27
466	A nonlocal finite element model for buckling and vibration of functionally graded nanobeams. <i>Composites Part B: Engineering</i> , <b>2019</b> , 166, 233-246	10	47
465	Composite Blade Twist Modification by Using a Moving Mass and Stiffness Tailoring. <i>AIAA Journal</i> , <b>2019</b> , 57, 4218-4225	2.1	8
464	Thermal vibration analysis of cracked nanobeams embedded in an elastic matrix using finite element analysis. <i>Composite Structures</i> , <b>2019</b> , 212, 118-128	5.3	20
463	Bidirectional torsional negative stiffness mechanism for energy balancing systems. <i>Mechanism and Machine Theory</i> , <b>2019</b> , 131, 261-277	4	8

462	Effect of gravity-induced asymmetry on the nonlinear vibration of an overhung rotor. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 62, 78-89	3.7	11
461	Compliant structures based on stiffness asymmetry. <i>Aeronautical Journal</i> , <b>2018</b> , 122, 442-461	0.9	5
460	Probabilistic optimization of engineering system with prescribed target design in a reduced parameter space. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2018</b> , 337, 281-304	5.7	8
459	Minimising the effects of manufacturing uncertainties in MEMS Energy harvesters. <i>Energy</i> , <b>2018</b> , 149, 990-999	7.9	10
458	Simulating eddy current sensor outputs for blade tip timing. <i>Advances in Mechanical Engineering</i> , <b>2018</b> , 10, 168781401774802	1.2	6
457	Normal form analysis of stator rub in rotating machinery. <i>MATEC Web of Conferences</i> , <b>2018</b> , 148, 04004	0.3	
456	Localisation of local nonlinearities in structural dynamics using spatially incomplete measured data. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 99, 364-383	7.8	8
455	Updating of aerodynamic reduced order models generated using computational fluid dynamics. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , <b>2018</b> , 232, 1739-1763	0.9	2
454	Model updating strategy for structures with localised nonlinearities using frequency response measurements. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 100, 940-961	7.8	28
453	Development of a morphing wingtip based on compliant structures. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2018</b> , 29, 3293-3304	2.3	7
452	Aeroelasticity of compliant span morphing wings. <i>Smart Materials and Structures</i> , <b>2018</b> , 27, 105052	3.4	12
451	A smart pipe energy harvester excited by fluid flow and base excitation. <i>Acta Mechanica</i> , <b>2018</b> , 229, 4431-4458	1.4	586
450	Torsional vibration of size-dependent viscoelastic rods using nonlocal strain and velocity gradient theory. <i>Composite Structures</i> , <b>2018</b> , 186, 274-292	5.3	41
449	Analysis of pendulums coupled by torsional springs for energy harvesting. <i>MATEC Web of Conferences</i> , <b>2018</b> , 211, 05008	0.3	1
448	Model Validation of a Porous Piezoelectric Energy Harvester Using Vibration Test Data. <i>Vibration</i> , <b>2018</b> , 1, 123-137	2	4
447	A robust design of an innovative shaped rebar system using a novel uncertainty model. <i>Structural and Multidisciplinary Optimization</i> , <b>2018</b> , 58, 1351-1365	3.6	
446	Static and dynamic response of CNT nanobeam using nonlocal strain and velocity gradient theory. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 62, 207-222	4.5	19
445	Advanced nonlinear dynamic modelling of bi-stable composite plates. <i>Composite Structures</i> , <b>2018</b> , 201, 582-596	5.3	20

444	Prosthetic foot design optimisation based on roll-over shape and ground reaction force characteristics. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2017</b> , 231, 3093-3103	1.3	7
443	A shape memory alloy rod element based on the co-rotational formulation for nonlinear static analysis of tensegrity structures. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2017</b> , 28, 35-46	2.3	6
442	Multi-objective optimization for the geometry of trapezoidal corrugated morphing skins. <i>Structural and Multidisciplinary Optimization</i> , <b>2017</b> , 55, 331-345	3.6	12
441	Drillstring-borehole interaction: backward whirl instabilities and axial loading. <i>Meccanica</i> , <b>2017</b> , 52, 2945-2957	2.2	7
440	Identification of modal parameters from noisy transient response signals. <i>Structural Control and Health Monitoring</i> , <b>2017</b> , 24, e2019	4.5	3
439	Erratum for Rapid Path Planning for Zero-Propellant Maneuvers by Sheng Zhang, Michael I. Friswell, David J. Wagg, and Guo-Jin Tang. <i>Journal of Aerospace Engineering</i> , <b>2017</b> , 30, 08217001	1.4	
438	Multi-scale model updating of a timber footbridge using experimental vibration data. <i>Engineering Computations</i> , <b>2017</b> , 34, 754-780	1.4	3
437	Nonlocal elasticity in plates using novel trial functions. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 130, 221-233	5.5	9
436	Homogenization of porous piezoelectric materials. <i>International Journal of Solids and Structures</i> , <b>2017</b> , 113-114, 218-229	3.1	45
435	Polynomial chaos-based extended Padé expansion in structural dynamics. <i>International Journal for Numerical Methods in Engineering</i> , <b>2017</b> , 111, 1170-1191	2.4	16
434	Nonlinear MEMS Piezoelectric Harvesters in the presence of geometric and structural variabilities. <i>Procedia Engineering</i> , <b>2017</b> , 199, 3456-3461		1
433	Energy harvesting using porous piezoelectric beam with impacts. <i>Procedia Engineering</i> , <b>2017</b> , 199, 3468-3473		8
432	Fuzzy finite element model updating of the DLR AIRMOD test structure. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 52, 512-526	4.5	13
431	Steady-state response of a random dynamical system described with Padé approximants and random eigenmodes. <i>Procedia Engineering</i> , <b>2017</b> , 199, 1104-1109		1
430	Dual-Quaternion-Based Fault-Tolerant Control for Spacecraft Tracking With Finite-Time Convergence. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 1231-1242	4.8	32
429	Finite element model updating using Hamiltonian Monte Carlo techniques. <i>Inverse Problems in Science and Engineering</i> , <b>2017</b> , 25, 1042-1070	1.3	14
428	Energy harvesting from a non-linear standing beam-mass system: Two- versus one-mode approximations. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2017</b> , 28, 1010-1022	2.3	6
427	An extended harmonic balance method based on incremental nonlinear control parameters. <i>Mechanical Systems and Signal Processing</i> , <b>2017</b> , 85, 716-729	7.8	10

426	Fuzzy Finite Element Model Updating Using Metaheuristic Optimization Algorithms. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2017</b> , 91-101	0.3	7
425	Ultra-efficient wound composite truss structures. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 90, 111-124	8.4	20
424	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2016</b> , 52, 1576-1586	3.7	79
423	The robustness of carbon fibre members bonded to aluminium connectors in aerial delivery systems. <i>Cogent Engineering</i> , <b>2016</b> , 3, 1225879	1.5	2
422	Comparison of point foot, collisional and smooth rolling contact models on the bifurcations and stability of bipedal walking. <i>European Journal of Computational Mechanics</i> , <b>2016</b> , 25, 273-293	0.5	3
421	Spiral pulley negative stiffness mechanism for passive energy balancing. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2016</b> , 27, 1673-1686	2.3	4
420	Span morphing using the GNATSpar wing. <i>Aerospace Science and Technology</i> , <b>2016</b> , 53, 38-46	4.9	29
419	Fixed-Time Attitude Control for Rigid Spacecraft With Actuator Saturation and Faults. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1892-1898	4.8	235
418	Vibration control of a rotor supported by journal bearings and an asymmetric high-static low-dynamic stiffness suspension. <i>Nonlinear Dynamics</i> , <b>2016</b> , 85, 525-545	5	29
417	A novel mathematical formulation for predicting symmetric passive bipedal walking motion with unbalanced masses. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 3895-3906	4.5	3
416	Rapid Path Planning for Zero-Propellant Maneuvers. <i>Journal of Aerospace Engineering</i> , <b>2016</b> , 29, 040150784	4.4	0
415	Morphing aircraft: The need for a new design philosophy. <i>Aerospace Science and Technology</i> , <b>2016</b> , 49, 154-166	4.9	80
414	Static and free vibration analysis of functionally graded carbon nanotube reinforced skew plates. <i>Composite Structures</i> , <b>2016</b> , 140, 473-490	5.3	57
413	Polynomial chaos expansion with random and fuzzy variables. <i>Mechanical Systems and Signal Processing</i> , <b>2016</b> , 75, 41-56	7.8	37
412	MDAO for Aerodynamic Assessment of a Morphed Wing for the Loiter Segment of a UAV Flight Mission <b>2016</b> ,		1
411	Quantification of Vibration Localization in Periodic Structures. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2016</b> , 138,	1.6	10
410	Regular and chaotic vibration in a piezoelectric energy harvester. <i>Meccanica</i> , <b>2016</b> , 51, 1017-1025	2.1	22
409	Multi-objective geometry optimization of the Fish Bone Active Camber morphing airfoil. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2016</b> , 27, 808-819	2.3	14



408	Experimental Identification of a Structure with Internal Resonance. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 37-45	0.3	1
407	Uncertainty Analysis of Mechanical Behavior of Functionally Graded Carbon Nanotube Composite Materials. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 59-72	0.3	2
406	An Adaptive Markov Chain Monte Carlo Method for Bayesian Finite Element Model Updating. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 55-65	0.3	3
405	Identification of Breathing Cracked Shaft Models from Measurements. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 537-543	0.3	2
404	Multiple Solutions and Corresponding Power Output of Nonlinear Piezoelectric Energy Harvester. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2016</b> , 343-350	0.2	1
403	An Energy Measure for Mode Localization. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 105-110	0.3	
402	Dynamics of an MDOF Rotor Stator Contact System. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 415-423	0.3	
401	A Pretest Planning Method for Model Calibration for Nonlinear Systems. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 371-379	0.3	
400	Morphing elastically lofted transition for active camber control surfaces. <i>Aerospace Science and Technology</i> , <b>2016</b> , 55, 439-448	4.9	15
399	A pulse size estimation method for reduced-order models*. <i>Aeronautical Journal</i> , <b>2016</b> , 120, 1891-1916	0.9	
398	Dynamic similarity design method for an aero-engine dualrotor test rig. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 744, 012109	0.3	4
397	Role of Roots of Orthogonal Polynomials in the Dynamic Response of Stochastic Systems. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2016</b> , 142, 06016004	2.4	5
396	Analysis of Harvesting Energy from Mistuned Multiple Harvesters with and without Coupling. <i>Procedia Engineering</i> , <b>2016</b> , 144, 621-628		3
395	Design of MEMS piezoelectric harvesters with electrostatically adjustable resonance frequency. <i>Mechanical Systems and Signal Processing</i> , <b>2016</b> , 81, 360-374	7.8	40
394	Metamodel-based approach for stochastic free vibration analysis of functionally graded carbon nanotube reinforced plates. <i>Composite Structures</i> , <b>2016</b> , 152, 183-198	5.3	35
393	Periodic responses of a structure with 3:1 internal resonance. <i>Mechanical Systems and Signal Processing</i> , <b>2016</b> , 81, 19-34	7.8	42
392	Multiple solutions and corresponding power output of a nonlinear bistable piezoelectric energy harvester. <i>European Physical Journal B</i> , <b>2016</b> , 89, 1	1.2	27
391	A Hybrid Piezoelectric and Electrostatic Vibration Energy Harvester. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 189-195	0.3	6

390	Design and analysis of vibration energy harvesters based on peak response statistics. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 065009	3.4	15
389	Asynchronous partial contact motion due to internal resonance in multiple degree-of-freedom rotordynamics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2016</b> , 472, 20160303	2.4	16
388	Conceptual study of a morphing winglet based on unsymmetrical stiffness. <i>Aerospace Science and Technology</i> , <b>2016</b> , 58, 546-558	4.9	16
387	Hierarchical modeling and optimization of camber morphing airfoil. <i>Aerospace Science and Technology</i> , <b>2015</b> , 42, 31-38	4.9	21
386	The mechanics of composite corrugated structures: A review with applications in morphing aircraft. <i>Composite Structures</i> , <b>2015</b> , 133, 358-380	5.3	142
385	Polynomial chaos expansion in structural dynamics: Accelerating the convergence of the first two statistical moment sequences. <i>Journal of Sound and Vibration</i> , <b>2015</b> , 356, 144-154	3.9	35
384	Polynomial Chaos Expansion and Steady-State Response of a Class of Random Dynamical Systems. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2015</b> , 141, 04014145	2.4	38
383	Clustering of Sensor Locations Using the Effective Independence Method. <i>AIAA Journal</i> , <b>2015</b> , 53, 1388-1391		17
382	Non-linear energy harvesting from coupled impacting beams. <i>International Journal of Mechanical Sciences</i> , <b>2015</b> , 96-97, 101-109	5.5	65
381	Span Morphing Using the Compliant Spar. <i>Journal of Aerospace Engineering</i> , <b>2015</b> , 28, 04014108	1.4	10
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