

# Sondipon Adhikari

## 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.

411 papers	11,971 citations	60 h-index	85 g-index
456 ext. papers	13,540 ext. citations	3.6 avg, IF	7.25 L-index

#	Paper	IF	Citations
411	Optimal negative stiffness inertial-amplifier-base-isolators: Exact closed-form expressions. <i>International Journal of Mechanical Sciences</i> , <b>2022</b> , 218, 107044	5.5	5
410	Optimization of welded K-node in offshore jacket structure including the stochastic size effect. <i>Marine Structures</i> , <b>2022</b> , 82, 103128	3.8	1
409	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	
408	Random matrix eigenvalue problems in structural dynamics: An iterative approach. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 164, 108260	7.8	0
407	Extended Wittrick-Williams algorithm for eigenvalue solution of stochastic dynamic stiffness method. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 166, 108354	7.8	2
406	Bandgap merging with double-negative metabeam. <i>Mechanics Research Communications</i> , <b>2022</b> , 103889	2.2	0
405	Exact wave propagation analysis of lattice structures based on the dynamic stiffness method and the Wittrick-Williams algorithm. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 174, 109044	7.8	0
404	An analytical framework for broadband dynamic analysis of plate built-up structures with uncertain viscoelastic boundary or connection conditions. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 177, 109121	7.8	0
403	The in-plane mechanics of a family of curved 2D lattices. <i>Composite Structures</i> , <b>2021</b> , 280, 114859	5.3	1
402	Active multi-physical modulation of Poisson's ratios in composite piezoelectric lattices: On-demand sign reversal. <i>Composite Structures</i> , <b>2021</b> , 280, 114857	5.3	6
401	Analysis of stochastically parameterized prestressed beams and frames. <i>Engineering Structures</i> , <b>2021</b> , 249, 113312	4.7	
400	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
399	A general frequency adaptive framework for damped response analysis of wind turbines. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2021</b> , 143, 106605	3.5	2
398	Probing the Stochastic Dynamics of Coronaviruses: Machine Learning Assisted Deep Computational Insights with Exploitable Dimensions. <i>Advanced Theory and Simulations</i> , <b>2021</b> , 4, 2000291	3.5	1
397	Stochastic dynamic stiffness for damped taut membranes. <i>Computers and Structures</i> , <b>2021</b> , 248, 106483	4.5	4
396	Physical Modelling of Offshore Wind Turbine Foundations for TRL (Technology Readiness Level) Studies. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 589	2.4	10
395	Bloch waves in an array of elastically connected periodic slender structures. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 155, 107591	7.8	1

394	Broadband dynamic elastic moduli of honeycomb lattice materials: A generalized analytical approach. <i>Mechanics of Materials</i> , <b>2021</b> , 157, 103796	3.3	20
393	Brillouin-zone characterization of piezoelectric material intrinsic energy-harvesting availability. <i>Smart Materials and Structures</i> , <b>2021</b> , 30, 085022	3.4	2
392	Robust topological designs for extreme metamaterial micro-structures. <i>Scientific Reports</i> , <b>2021</b> , 11, 152249	4.1	1
391	A multimodal approach for simultaneous mass and rotary inertia sensing from vibrating cantilevers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2021</b> , 125, 114366	3	1
390	Wave propagation in mass embedded and pre-stressed hexagonal lattices. <i>Composite Structures</i> , <b>2021</b> , 256, 113087	5.3	5
389	Dynamic stiffness of nonlocal damped nano-beams on elastic foundation. <i>European Journal of Mechanics, A/Solids</i> , <b>2021</b> , 86, 104144	3.7	13
388	The role of surrogate models in the development of digital twins of dynamic systems. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 90, 662-681	4.5	22
387	Periodic response of a nonlinear axially moving beam with a nonlinear energy sink and piezoelectric attachment. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 195, 106230	5.5	8
386	Voltage-dependent modulation of elastic moduli in lattice metamaterials: Emergence of a programmable state-transition capability. <i>International Journal of Solids and Structures</i> , <b>2021</b> , 208-209, 31-48	3.1	17
385	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
384	Machine learning based digital twin for dynamical systems with multiple time-scales. <i>Computers and Structures</i> , <b>2021</b> , 243, 106410	4.5	20
383	Optimal electromechanical bandgaps in piezo-embedded mechanical metamaterials. <i>International Journal of Mechanics and Materials in Design</i> , <b>2021</b> , 17, 419-439	2.5	5
382	The eigenbuckling analysis of hexagonal lattices: closed-form solutions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2021</b> , 477, 20210244	2.4	1
381	Tuning of topological interface modes in an elastic beam array system with inerters. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 205, 106573	5.5	5
380	The in-plane mechanical properties of highly compressible and stretchable 2D lattices. <i>Composite Structures</i> , <b>2021</b> , 272, 114167	5.3	2
379	Reliability Evaluation Based on Multiple Response Surfaces Method Considering Construction Uncertainties of Cable Tension for a Hybrid Roof Structure. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , <b>2021</b> , 7, 04021033	1.7	1
378	Spectral element formulation for damped transversely isotropic Micropolar-Cosserat layered composite panels. <i>Mechanics of Materials</i> , <b>2021</b> , 160, 103898	3.3	0
377	Analysis of IoT-Based Load Altering Attacks Against Power Grids Using the Theory of Second-Order Dynamical Systems. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 4415-4425	10.7	4

376	Comparisons of design methods for beam string structure based on reliability and progressive collapse analysis. <i>Structures</i> , <b>2021</b> , 33, 2166-2176	3.4	2
375	Inertial amplification band-gap generation by coupling a levered mass with a locally resonant mass. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 207, 106630	5.5	11
374	Enhanced seismic base isolation using inertial amplifiers. <i>Structures</i> , <b>2021</b> , 33, 1340-1353	3.4	11
373	Neumann enriched polynomial chaos approach for stochastic finite element problems. <i>Probabilistic Engineering Mechanics</i> , <b>2021</b> , 66, 103157	2.6	0
372	Exact transcendental stiffness matrices of general beam-columns embedded in elastic mediums. <i>Computers and Structures</i> , <b>2021</b> , 255, 106617	4.5	1
371	A general analytical framework for the mechanics of heterogeneous hexagonal lattices. <i>Thin-Walled Structures</i> , <b>2021</b> , 167, 108188	4.7	1
370	Wave propagation in randomly parameterized 2D lattices via machine learning. <i>Composite Structures</i> , <b>2021</b> , 275, 114386	5.3	0
369	A reduced modal subspace approach for damped stochastic dynamic systems. <i>Computers and Structures</i> , <b>2021</b> , 257, 106651	4.5	2
368	Nonlinear energy harvester with coupled Duffing oscillators. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2020</b> , 91, 105394	3.7	4
367	Apparent negative values of Young's moduli of lattice materials under dynamic conditions. <i>International Journal of Engineering Science</i> , <b>2020</b> , 150, 103231	5.7	18
366	Advances in finite element modelling of graphene and associated nanostructures. <i>Materials Science and Engineering Reports</i> , <b>2020</b> , 140, 100544	30.9	19
365	Buckling of 2D nano hetero-structures with moire patterns. <i>Computational Materials Science</i> , <b>2020</b> , 177, 109507	3.2	3
364	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
363	A review on shape memory alloy reinforced polymer composite materials and structures. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 073001	3.4	14
362	Locally resonant mechanical dome metastructures for bandgap estimation <b>2020</b> ,		2
361	A fractional calculus approach to metadamping in phononic crystals and acoustic metamaterials. <i>Theoretical and Applied Mechanics</i> , <b>2020</b> , 47, 81-97	0.4	2
360	Parametrically amplified Mathieu-Duffing nonlinear energy harvesters. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 488, 115677	3.9	6
359	Piezoelectric vortex induced vibration energy harvesting in a random flow field. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 035034	3.4	9

358	Size-dependent dynamic characteristics of graphene based multi-layer nano hetero-structures. <i>Nanotechnology</i> , <b>2020</b> , 31, 145705	3.4	18
357	Time-Domain Response of Damped Stochastic Multiple-Degree-of-Freedom Systems. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2020</b> , 146, 06019005	2.4	2
356	Dual-mass electromagnetic energy harvesting from galloping oscillations and base excitation. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2020</b> , 095440622094891	1.3	1
355	Lattice and continuum based modeling of 2D materials <b>2020</b> , 165-177		
354	Anisotropy tailoring in geometrically isotropic multi-material lattices. <i>Extreme Mechanics Letters</i> , <b>2020</b> , 40, 100934	3.9	19
353	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
352	Probing the Effective Young's Modulus of Magic Angle-Inspired Multi-Functional Twisted Nano-Heterostructures. <i>Advanced Theory and Simulations</i> , <b>2020</b> , 3, 2000129	3.5	11
351	Exploring the dynamics of hourglass shaped lattice metastructures. <i>Scientific Reports</i> , <b>2020</b> , 10, 20943	4.9	5
350	The digital twin of discrete dynamic systems: Initial approaches and future challenges. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 77, 1110-1128	4.5	30
349	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
348	Theoretical limits for negative elastic moduli in subacoustic lattice materials. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	22
347	Influence of pyrolysis parameters on phosphorus fractions of biosolids derived biochar. <i>Science of the Total Environment</i> , <b>2019</b> , 695, 133846	10.2	43
346	Optimal parameters of viscoelastic tuned-mass dampers. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 445, 17-28,9	2.9	19
345	Random field simulation over curved surfaces: Applications to computational structural mechanics. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2019</b> , 345, 283-301	5.7	18
344	Probing the frequency-dependent elastic moduli of lattice materials. <i>Acta Materialia</i> , <b>2019</b> , 165, 654-665,4	5.4	25
343	Frequency domain homogenization for the viscoelastic properties of spatially correlated quasi-periodic lattices. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 150, 784-806	5.5	43
342	Probabilistic characterisation for dynamics and stability of laminated soft core sandwich plates. <i>Journal of Sandwich Structures and Materials</i> , <b>2019</b> , 21, 366-397	2.1	46
341	Probing the shear modulus of two-dimensional multiplanar nanostructures and heterostructures. <i>Nanoscale</i> , <b>2018</b> , 10, 5280-5294	7.7	40

340	Flexoelectric effect on vibration responses of piezoelectric nanobeams embedded in viscoelastic medium based on nonlocal elasticity theory. <i>Acta Mechanica</i> , <b>2018</b> , 229, 2379-2392	2.1	29
339	Minimising the effects of manufacturing uncertainties in MEMS Energy harvesters. <i>Energy</i> , <b>2018</b> , 149, 990-999	7.9	10
338	Projection methods for stochastic dynamic systems: A frequency domain approach. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2018</b> , 338, 412-439	5.7	5
337	Dynamic stability of a nonlinear multiple-nanobeam system. <i>Nonlinear Dynamics</i> , <b>2018</b> , 93, 1495-1517	5	11
336	Stochastic dynamic stability analysis of composite curved panels subjected to non-uniform partial edge loading. <i>European Journal of Mechanics, A/Solids</i> , <b>2018</b> , 67, 108-122	3.7	43
335	Estimation of beam material random field properties via sensitivity-based model updating using experimental frequency response functions. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 102, 180-197	7.8	28
334	Sample-based and sample-aggregated based Galerkin projection schemes for structural dynamics. <i>Probabilistic Engineering Mechanics</i> , <b>2018</b> , 54, 118-130	2.6	2
333	Spectral element-based method for a one-dimensional damaged structure with distributed random properties. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2018</b> , 40, 1	2	7
332	Projection methods for stochastic structural dynamics. <i>MATEC Web of Conferences</i> , <b>2018</b> , 211, 01003	0.3	
331	Analysis of pendulums coupled by torsional springs for energy harvesting. <i>MATEC Web of Conferences</i> , <b>2018</b> , 211, 05008	0.3	1
330	A Critical Assessment of Kriging Model Variants for High-Fidelity Uncertainty Quantification in Dynamics of composite Shells. <i>Archives of Computational Methods in Engineering</i> , <b>2017</b> , 24, 495-518	7.8	69
329	Vibrating nonlocal multi-nanoplate system under inplane magnetic field. <i>European Journal of Mechanics, A/Solids</i> , <b>2017</b> , 64, 29-45	3.7	29
328	Metamodel based high-fidelity stochastic analysis of composite laminates: A concise review with critical comparative assessment. <i>Composite Structures</i> , <b>2017</b> , 171, 227-250	5.3	91
327	Robust Design Optimization for Crashworthiness of Vehicle Side Impact. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , <b>2017</b> , 3,	1.4	10
326	A spectral approach for damage quantification in stochastic dynamic systems. <i>Mechanical Systems and Signal Processing</i> , <b>2017</b> , 88, 253-273	7.8	17
325	A surrogate based multi-fidelity approach for robust design optimization. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 47, 726-744	4.5	31
324	System reliability analysis of soil slopes with general slip surfaces using multivariate adaptive regression splines. <i>Computers and Geotechnics</i> , <b>2017</b> , 87, 212-228	4.4	61
323	Homogenization of porous piezoelectric materials. <i>International Journal of Solids and Structures</i> , <b>2017</b> , 113-114, 218-229	3.1	45

322	Stochastic mechanics of metamaterials. <i>Composite Structures</i> , <b>2017</b> , 162, 85-97	5.3	60
321	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
320	Effective elastic properties of two dimensional multiplanar hexagonal nanostructures. <i>2D Materials</i> , <b>2017</b> , 4, 025006	5.9	23
319	Nonlinear MEMS Piezoelectric Harvesters in the presence of geometric and structural variabilities. <i>Procedia Engineering</i> , <b>2017</b> , 199, 3456-3461		1
318	Inertial mass sensing with low Q-factor vibrating microcantilevers. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 144304	2.5	8
317	Efficient System Reliability Analysis of Earth Slopes Based on Support Vector Machine Regression Model <b>2017</b> , 127-143		3
316	Stochastic finite element response analysis using random eigenfunction expansion. <i>Computers and Structures</i> , <b>2017</b> , 192, 1-15	4.5	11
315	Energy harvesting using porous piezoelectric beam with impacts. <i>Procedia Engineering</i> , <b>2017</b> , 199, 3468-3473		8
314	Modeling Spatially Varying Uncertainty in Composite Structures Using Lamination Parameters. <i>AIAA Journal</i> , <b>2017</b> , 55, 3951-3965	2.1	9
313	Probabilistic analysis of tunnels: A hybrid polynomial correlated function expansion based approach. <i>Tunnelling and Underground Space Technology</i> , <b>2017</b> , 70, 89-104	5.7	9
312	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
311	Effective mechanical properties of multilayer nano-heterostructures. <i>Scientific Reports</i> , <b>2017</b> , 7, 15818	4.9	44
310	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
309	Effective in-plane elastic moduli of quasi-random spatially irregular hexagonal lattices. <i>International Journal of Engineering Science</i> , <b>2017</b> , 119, 142-179	5.7	63
308	Stochastic natural frequency analysis of damaged thin-walled laminated composite beams with uncertainty in micromechanical properties. <i>Composite Structures</i> , <b>2017</b> , 160, 312-334	5.3	74
307	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
306	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
305	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



304	Probabilistic Analysis and Design of HCP Nanowires: An Efficient Surrogate Based Molecular Dynamics Simulation Approach. <i>Journal of Materials Science and Technology</i> , <b>2016</b> , 32, 1345-1351	9.1	40
303	Pullout strength of graphene and carbon nanotube/epoxy composites. <i>Composites Part B: Engineering</i> , <b>2016</b> , 102, 1-8	10	45
302	Introduction to Finite Element Model Updating <b>2016</b> , 1-23		
301	Evolutionary Approach to Finite Element Model Updating <b>2016</b> , 174-188		
300	Model Selection in Finite Element Model Updating <b>2016</b> , 24-41		
299	Bayesian Statistics in Structural Dynamics <b>2016</b> , 42-64		
298	Metropolis-Hastings and Slice Sampling for Finite Element Updating <b>2016</b> , 65-83		
297	Dynamically Weighted Importance Sampling for Finite Element Updating <b>2016</b> , 84-103		
296	Hybrid Monte Carlo Technique for Finite Element Model Updating <b>2016</b> , 122-137		
295	Shadow Hybrid Monte Carlo Technique for Finite Element Model Updating <b>2016</b> , 138-154		
294	Separable Shadow Hybrid Monte Carlo in Finite Element Updating <b>2016</b> , 155-173		
293	Adaptive Markov Chain Monte Carlo Method for Finite Element Model Updating <b>2016</b> , 189-205		
292	The Damping effect in the dynamic response of stochastic oscillators. <i>Probabilistic Engineering Mechanics</i> , <b>2016</b> , 44, 2-17	2.6	8
291	Fuzzy uncertainty propagation in composites using Gram-Schmidt polynomial chaos expansion. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 4412-4428	4.5	57
290	Uncertain natural frequency analysis of composite plates including effect of noise via polynomial neural network approach. <i>Composite Structures</i> , <b>2016</b> , 143, 130-142	5.3	72
289	Bottom up surrogate based approach for stochastic frequency response analysis of laminated composite plates. <i>Composite Structures</i> , <b>2016</b> , 140, 712-727	5.3	40
288	Effective in-plane elastic properties of auxetic honeycombs with spatial irregularity. <i>Mechanics of Materials</i> , <b>2016</b> , 95, 204-222	3.3	65
287	Buckling of hybrid nanocomposites with embedded graphene and carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 83, 434-441	3	12



286	A polynomial chaos expansion based molecular dynamics study for probabilistic strength analysis of nano-twinned copper. <i>Materials Research Express</i> , <b>2016</b> , 3, 036501	1.7	39
285	On quantifying the effect of noise in surrogate based stochastic free vibration analysis of laminated composite shallow shells. <i>Composite Structures</i> , <b>2016</b> , 140, 798-805	5.3	58
284	Equivalent in-plane elastic properties of irregular honeycombs: An analytical approach. <i>International Journal of Solids and Structures</i> , <b>2016</b> , 91, 169-184	3.1	61
283	Polynomial chaos expansion with random and fuzzy variables. <i>Mechanical Systems and Signal Processing</i> , <b>2016</b> , 75, 41-56	7.8	37
282	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
281	Regular and chaotic vibration in a piezoelectric energy harvester. <i>Meccanica</i> , <b>2016</b> , 51, 1017-1025	2.1	22
280	A Response Surface Modelling Approach for Resonance Driven Reliability Based Optimization of Composite Shells. <i>Periodica Polytechnica: Civil Engineering</i> , <b>2016</b> , 60, 103-111	1.2	36
279	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
278	An Energy Measure for Mode Localization. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2016</b> , 105-110	0.3	
277	Uncertainty Quantification in Natural Frequency of Composite Plates - An Artificial Neural Network Based Approach. <i>Advanced Composites Letters</i> , <b>2016</b> , 25, 096369351602500	1.2	34
276	Boron nitride nanotubes as bionanosensors <b>2016</b> , 149-164		2
275	Mass and rotary inertia sensing from vibrating cantilever nanobeams <b>2016</b> ,		1
274	Reply to Comment on "Molecular structure-dependent deformations in boron nitride nanostructures subject to an electrical field" <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 108002	3	
273	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
272	Analysis of Harvesting Energy from Mistuned Multiple Harvesters with and without Coupling. <i>Procedia Engineering</i> , <b>2016</b> , 144, 621-628		3
271	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
270	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
269	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

268	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
267	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
266	Effect of cutout on stochastic natural frequency of composite curved panels. <i>Composites Part B: Engineering</i> , <b>2016</b> , 105, 188-202	10	48
265	Free-Vibration Analysis of Sandwich Panels with Randomly Irregular Honeycomb Core. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2016</b> , 142, 06016008	2.4	62
264	<b>2016</b> ,		16
263	The estimation of time-invariant parameters of noisy nonlinear oscillatory systems. <i>Journal of Sound and Vibration</i> , <b>2015</b> , 344, 81-100	3.9	20
262	Vibration insight of a nonlocal viscoelastic coupled multi-nanorod system. <i>European Journal of Mechanics, A/Solids</i> , <b>2015</b> , 54, 132-145	3.7	16
261	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
260	Thermal uncertainty quantification in frequency responses of laminated composite plates. <i>Composites Part B: Engineering</i> , <b>2015</b> , 80, 186-197	10	41
259	An analytical model to predict the natural frequency of offshore wind turbines on three-spring flexible foundations using two different beam models. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2015</b> , 74, 40-45	3.5	52
258	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
257	Stochastic natural frequency of composite conical shells. <i>Acta Mechanica</i> , <b>2015</b> , 226, 2537-2553	2.1	40
256	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
255	Optimum design of FRP bridge deck: an efficient RS-HDMR based approach. <i>Structural and Multidisciplinary Optimization</i> , <b>2015</b> , 52, 459-477	3.6	36
254	Nonlocal mass-nanosensor model based on the damped vibration of single-layer graphene sheet influenced by in-plane magnetic field. <i>International Journal of Mechanical Sciences</i> , <b>2015</b> , 96-97, 132-142	5.5	52
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