

Sondipon Adhikari

List of Publications by Year in descending order

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425
papers

15,010
citations

16437

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h-index

39638

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456
all docs

456
docs citations

456
times ranked

6950
citing authors

#	ARTICLE	IF	CITATIONS
1	Kaimal spectrum based H2 optimization of tuned mass dampers for wind turbines. JVC/Journal of Vibration and Control, 2023, 29, 3175-3185.	1.5	10
2	A global two-layer meta-model for response statistics in robust design optimization. Engineering Optimization, 2022, 54, 153-169.	1.5	5
3	Static and dynamic analysis of homogeneous Micropolar-Cosserat panels. Mechanics of Advanced Materials and Structures, 2022, 29, 2757-2768.	1.5	3
4	Enhanced low-frequency vibration energy harvesting with inertial amplifiers. Journal of Intelligent Material Systems and Structures, 2022, 33, 822-838.	1.4	15
5	Random matrix eigenvalue problems in structural dynamics: An iterative approach. Mechanical Systems and Signal Processing, 2022, 164, 108260.	4.4	4
6	Extended Wittrick-Williams algorithm for eigenvalue solution of stochastic dynamic stiffness method. Mechanical Systems and Signal Processing, 2022, 166, 108354.	4.4	6
7	Parametric Amplification in a Stochastic Nonlinear Piezoelectric Energy Harvester Via Machine Learning. Conference Proceedings of the Society for Experimental Mechanics, 2022, , 283-291.	0.3	2
8	The in-plane mechanics of a family of curved 2D lattices. Composite Structures, 2022, 280, 114859.	3.1	10
9	Active multi-physical modulation of Poisson's ratios in composite piezoelectric lattices: On-demand sign reversal. Composite Structures, 2022, 280, 114857.	3.1	18
10	Optimization of welded K-node in offshore jacket structure including the stochastic size effect. Marine Structures, 2022, 82, 103128.	1.6	2
11	Unfolding the mechanical properties of buckypaper composites: nano- to macro-scale coupled atomistic-continuum simulations. Engineering With Computers, 2022, 38, 5199-5229.	3.5	6
12	Optimal negative stiffness inertial-amplifier-base-isolators: Exact closed-form expressions. International Journal of Mechanical Sciences, 2022, 218, 107044.	3.6	40
13	Interface modes in topologically protected edge states using hourglass based metastructures. , 2022, , .		0
14	Bandgap merging with double-negative metabeam. Mechanics Research Communications, 2022, 122, 103889.	1.0	7
15	Exact wave propagation analysis of lattice structures based on the dynamic stiffness method and the Wittrick-Williams algorithm. Mechanical Systems and Signal Processing, 2022, 174, 109044.	4.4	13
16	Voltage modulation of elastic properties of asymmetric hybrid lattice structure. , 2022, , .		0
17	An analytical framework for broadband dynamic analysis of plate built-up structures with uncertain viscoelastic boundary or connection conditions. Mechanical Systems and Signal Processing, 2022, 177, 109121.	4.4	2
18	The exact element stiffness matrices of stochastically parametered beams. Probabilistic Engineering Mechanics, 2022, , 103317.	1.3	2

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19	Dual-mass electromagnetic energy harvesting from galloping oscillations and base excitation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 4768-4783.	1.1	5
20	A multimodal approach for simultaneous mass and rotary inertia sensing from vibrating cantilevers. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 125, 114366.	1.3	5
21	Wave propagation in mass embedded and pre-stressed hexagonal lattices. Composite Structures, 2021, 256, 113087.	3.1	13
22	Dynamic stiffness of nonlocal damped nano-beams on elastic foundation. European Journal of Mechanics, A/Solids, 2021, 86, 104144.	2.1	23
23	The role of surrogate models in the development of digital twins of dynamic systems. Applied Mathematical Modelling, 2021, 90, 662-681.	2.2	63
24	Periodic response of a nonlinear axially moving beam with a nonlinear energy sink and piezoelectric attachment. International Journal of Mechanical Sciences, 2021, 195, 106230.	3.6	28
25	Voltage-dependent modulation of elastic moduli in lattice metamaterials: Emergence of a programmable state-transition capability. International Journal of Solids and Structures, 2021, 208-209, 31-48.	1.3	36
26	Gaussian process assisted stochastic dynamic analysis with applications to near-periodic structures. Mechanical Systems and Signal Processing, 2021, 149, 107218.	4.4	10
27	Machine learning based digital twin for dynamical systems with multiple time-scales. Computers and Structures, 2021, 243, 106410.	2.4	59
28	Optimal electromechanical bandgaps in piezo-embedded mechanical metamaterials. International Journal of Mechanics and Materials in Design, 2021, 17, 419-439.	1.7	13
29	Multilevel Decomposition Framework for Reliability Assessment of Assembled Stochastic Linear Structural Systems. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, 04021003.	1.1	1
30	A general frequency adaptive framework for damped response analysis of wind turbines. Soil Dynamics and Earthquake Engineering, 2021, 143, 106605.	1.9	5
31	Probing the Stochastic Dynamics of Coronaviruses: Machine Learning Assisted Deep Computational Insights with Exploitable Dimensions. Advanced Theory and Simulations, 2021, 4, 2000291.	1.3	8
32	Stochastic dynamic stiffness for damped taut membranes. Computers and Structures, 2021, 248, 106483.	2.4	6
33	Physical Modelling of Offshore Wind Turbine Foundations for TRL (Technology Readiness Level) Studies. Journal of Marine Science and Engineering, 2021, 9, 589.	1.2	29
34	Bloch waves in an array of elastically connected periodic slender structures. Mechanical Systems and Signal Processing, 2021, 155, 107591.	4.4	6
35	Broadband dynamic elastic moduli of honeycomb lattice materials: A generalized analytical approach. Mechanics of Materials, 2021, 157, 103796.	1.7	40
36	Brillouin-zone characterization of piezoelectric material intrinsic energy-harvesting availability. Smart Materials and Structures, 2021, 30, 085022.	1.8	3

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37	Robust topological designs for extreme metamaterial micro-structures. Scientific Reports, 2021, 11, 15221.	1.6	11
38	The eigenbuckling analysis of hexagonal lattices: closed-form solutions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	1.0	1
39	Tuning of topological interface modes in an elastic beam array system with inerters. International Journal of Mechanical Sciences, 2021, 205, 106573.	3.6	15
40	The in-plane mechanical properties of highly compressible and stretchable 2D lattices. Composite Structures, 2021, 272, 114167.	3.1	6
41	Reliability Evaluation Based on Multiple Response Surfaces Method Considering Construction Uncertainties of Cable Tension for a Hybrid Roof Structure. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, 04021033.	1.1	3
42	Spectral element formulation for damped transversely isotropic Micropolar-Cosserat layered composite panels. Mechanics of Materials, 2021, 160, 103898.	1.7	4
43	Analysis of IoT-Based Load Altering Attacks Against Power Grids Using the Theory of Second-Order Dynamical Systems. IEEE Transactions on Smart Grid, 2021, 12, 4415-4425.	6.2	24
44	Comparisons of design methods for beam string structure based on reliability and progressive collapse analysis. Structures, 2021, 33, 2166-2176.	1.7	7
45	Inertial amplification band-gap generation by coupling a levered mass with a locally resonant mass. International Journal of Mechanical Sciences, 2021, 207, 106630.	3.6	61
46	Enhanced seismic base isolation using inertial amplifiers. Structures, 2021, 33, 1340-1353.	1.7	26
47	Neumann enriched polynomial chaos approach for stochastic finite element problems. Probabilistic Engineering Mechanics, 2021, 66, 103157.	1.3	6
48	Exact transcendental stiffness matrices of general beam-columns embedded in elastic mediums. Computers and Structures, 2021, 255, 106617.	2.4	3
49	A general analytical framework for the mechanics of heterogeneous hexagonal lattices. Thin-Walled Structures, 2021, 167, 108188.	2.7	7
50	Wave propagation in randomly parameterized 2D lattices via machine learning. Composite Structures, 2021, 275, 114386.	3.1	7
51	A reduced modal subspace approach for damped stochastic dynamic systems. Computers and Structures, 2021, 257, 106651.	2.4	12
52	Analysis of stochastically parameterized prestressed beams and frames. Engineering Structures, 2021, 249, 113312.	2.6	2
53	The digital twin of discrete dynamic systems: Initial approaches and future challenges. Applied Mathematical Modelling, 2020, 77, 1110-1128.	2.2	54
54	Piezoelectric vortex induced vibration energy harvesting in a random flow field. Smart Materials and Structures, 2020, 29, 035034.	1.8	19

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55	Size-dependent dynamic characteristics of graphene based multi-layer nano hetero-structures. Nanotechnology, 2020, 31, 145705.	1.3	28
56	Time-Domain Response of Damped Stochastic Multiple-Degree-of-Freedom Systems. Journal of Engineering Mechanics - ASCE, 2020, 146, 06019005.	1.6	2
57	Lattice and continuum based modeling of 2D materials. , 2020, , 165-177.		0
58	Anisotropy tailoring in geometrically isotropic multi-material lattices. Extreme Mechanics Letters, 2020, 40, 100934.	2.0	33
59	Enhancement of harvesting capability of coupled nonlinear energy harvesters through high energy orbits. AIP Advances, 2020, 10, 085315.	0.6	11
60	Probing the Effective Young's Modulus of "Magic Angle" Inspired Multi-Functional Twisted Nano-Heterostructures. Advanced Theory and Simulations, 2020, 3, 2000129.	1.3	17
61	Exploring the dynamics of hourglass shaped lattice metastructures. Scientific Reports, 2020, 10, 20943.	1.6	19
62	Nonlinear energy harvester with coupled Duffing oscillators. Communications in Nonlinear Science and Numerical Simulation, 2020, 91, 105394.	1.7	14
63	Apparent negative values of Young's moduli of lattice materials under dynamic conditions. International Journal of Engineering Science, 2020, 150, 103231.	2.7	27
64	Advances in finite element modelling of graphene and associated nanostructures. Materials Science and Engineering Reports, 2020, 140, 100544.	14.8	38
65	Buckling of 2D nano hetero-structures with moire patterns. Computational Materials Science, 2020, 177, 109507.	1.4	10
66	Uncertainty propagation in dynamic sub-structuring by model reduction integrated domain decomposition. Computer Methods in Applied Mechanics and Engineering, 2020, 366, 113060.	3.4	13
67	A review on shape memory alloy reinforced polymer composite materials and structures. Smart Materials and Structures, 2020, 29, 073001.	1.8	39
68	Parametrically amplified Mathieu-Duffing nonlinear energy harvesters. Journal of Sound and Vibration, 2020, 488, 115677.	2.1	18
69	Locally resonant mechanical dome metastructures for bandgap estimation. , 2020, , .		4
70	A fractional calculus approach to metadamping in phononic crystals and acoustic metamaterials. Theoretical and Applied Mechanics, 2020, 47, 81-97.	0.1	6
71	Influence of pyrolysis parameters on phosphorus fractions of biosolids derived biochar. Science of the Total Environment, 2019, 695, 133846.	3.9	85
72	Experimental validation of an impact off-resonance energy harvester. European Physical Journal: Special Topics, 2019, 228, 1635-1646.	1.2	2

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73	Theoretical limits for negative elastic moduli in subacoustic lattice materials. <i>Physical Review B</i> , 2019, 99, .	1.1	35
74	Optimal parameters of viscoelastic tuned-mass dampers. <i>Journal of Sound and Vibration</i> , 2019, 445, 17-28.	2.1	33
75	Random field simulation over curved surfaces: Applications to computational structural mechanics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 345, 283-301.	3.4	29
76	Probing the frequency-dependent elastic moduli of lattice materials. <i>Acta Materialia</i> , 2019, 165, 654-665.	3.8	36
77	Frequency domain homogenization for the viscoelastic properties of spatially correlated quasi-periodic lattices. <i>International Journal of Mechanical Sciences</i> , 2019, 150, 784-806.	3.6	51
78	Probabilistic characterisation for dynamics and stability of laminated soft core sandwich plates. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 366-397.	2.0	55
79	Probing the shear modulus of two-dimensional multiplanar nanostructures and heterostructures. <i>Nanoscale</i> , 2018, 10, 5280-5294.	2.8	50
80	Flexoelectric effect on vibration responses of piezoelectric nanobeams embedded in viscoelastic medium based on nonlocal elasticity theory. <i>Acta Mechanica</i> , 2018, 229, 2379-2392.	1.1	44
81	Minimising the effects of manufacturing uncertainties in MEMS Energy harvesters. <i>Energy</i> , 2018, 149, 990-999.	4.5	13
82	Projection methods for stochastic dynamic systems: A frequency domain approach. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 338, 412-439.	3.4	10
83	Dynamic stability of a nonlinear multiple-nanobeam system. <i>Nonlinear Dynamics</i> , 2018, 93, 1495-1517.	2.7	19
84	Stochastic dynamic stability analysis of composite curved panels subjected to non-uniform partial edge loading. <i>European Journal of Mechanics, A/Solids</i> , 2018, 67, 108-122.	2.1	47
85	Estimation of beam material random field properties via sensitivity-based model updating using experimental frequency response functions. <i>Mechanical Systems and Signal Processing</i> , 2018, 102, 180-197.	4.4	41
86	Sample-based and sample-aggregated based Galerkin projection schemes for structural dynamics. <i>Probabilistic Engineering Mechanics</i> , 2018, 54, 118-130.	1.3	4
87	Projection methods for stochastic structural dynamics. <i>MATEC Web of Conferences</i> , 2018, 211, 01003.	0.1	0
88	Analysis of pendulums coupled by torsional springs for energy harvesting. <i>MATEC Web of Conferences</i> , 2018, 211, 05008.	0.1	2
89	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> , 2018, 40, 1.	0.8	18
90	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> , 2017, 24, 495-518.	6.0	94

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91	Vibrating nonlocal multi-nanoplate system under inplane magnetic field. <i>European Journal of Mechanics, A/Solids</i> , 2017, 64, 29-45.	2.1	35
92	Metamodel based high-fidelity stochastic analysis of composite laminates: A concise review with critical comparative assessment. <i>Composite Structures</i> , 2017, 171, 227-250.	3.1	118
93	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> , 2017, 3, .	0.7	11
94	A spectral approach for damage quantification in stochastic dynamic systems. <i>Mechanical Systems and Signal Processing</i> , 2017, 88, 253-273.	4.4	27
95	A surrogate based multi-fidelity approach for robust design optimization. <i>Applied Mathematical Modelling</i> , 2017, 47, 726-744.	2.2	45
96	System reliability analysis of soil slopes with general slip surfaces using multivariate adaptive regression splines. <i>Computers and Geotechnics</i> , 2017, 87, 212-228.	2.3	79
97	Homogenization of porous piezoelectric materials. <i>International Journal of Solids and Structures</i> , 2017, 113-114, 218-229.	1.3	60
98	Stochastic mechanics of metamaterials. <i>Composite Structures</i> , 2017, 162, 85-97.	3.1	76
99	Polynomial chaos-based extended Padé expansion in structural dynamics. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 111, 1170-1191.	1.5	19
100	Effective elastic properties of two dimensional multiplanar hexagonal nanostructures. <i>2D Materials</i> , 2017, 4, 025006.	2.0	31
101	Nonlinear MEMS Piezoelectric Harvesters in the presence of geometric and structural variabilities. <i>Procedia Engineering</i> , 2017, 199, 3456-3461.	1.2	1
102	Inertial mass sensing with low Q-factor vibrating microcantilevers. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	10
103	Stochastic finite element response analysis using random eigenfunction expansion. <i>Computers and Structures</i> , 2017, 192, 1-15.	2.4	16
104	Energy harvesting using porous piezoelectric beam with impacts. <i>Procedia Engineering</i> , 2017, 199, 3468-3473.	1.2	13
105	Modeling Spatially Varying Uncertainty in Composite Structures Using Lamination Parameters. <i>AIAA Journal</i> , 2017, 55, 3951-3965.	1.5	11
106	Probabilistic analysis of tunnels: A hybrid polynomial correlated function expansion based approach. <i>Tunnelling and Underground Space Technology</i> , 2017, 70, 89-104.	3.0	14
107	Fuzzy finite element model updating of the DLR AIRMOD test structure. <i>Applied Mathematical Modelling</i> , 2017, 52, 512-526.	2.2	19
108	Effective mechanical properties of multilayer nano-heterostructures. <i>Scientific Reports</i> , 2017, 7, 15818.	1.6	53

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109	Steady-state response of a random dynamical system described with Padé approximants and random eigenmodes. <i>Procedia Engineering</i> , 2017, 199, 1104-1109.	1.2	2
110	Effective in-plane elastic moduli of quasi-random spatially irregular hexagonal lattices. <i>International Journal of Engineering Science</i> , 2017, 119, 142-179.	2.7	87
111	Stochastic natural frequency analysis of damaged thin-walled laminated composite beams with uncertainty in micromechanical properties. <i>Composite Structures</i> , 2017, 160, 312-334.	3.1	93
112	Finite element model updating using Hamiltonian Monte Carlo techniques. <i>Inverse Problems in Science and Engineering</i> , 2017, 25, 1042-1070.	1.2	21
113	An extended harmonic balance method based on incremental nonlinear control parameters. <i>Mechanical Systems and Signal Processing</i> , 2017, 85, 716-729.	4.4	12
114	Efficient System Reliability Analysis of Earth Slopes Based on Support Vector Machine Regression Model. , 2017, , 127-143.		5
115	Fuzzy Finite Element Model Updating Using Metaheuristic Optimization Algorithms. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 91-101.	0.3	8
116	Uncertainty Quantification in Natural Frequency of Composite Plates - An Artificial Neural Network Based Approach. <i>Advanced Composites Letters</i> , 2016, 25, 096369351602500.	1.3	46
117	Boron nitride nanotubes as bionanosensors. , 2016, , 149-164.		4
118	Mass and rotary inertia sensing from vibrating cantilever nanobeams. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
119	Reply to Comment on "Molecular structure-dependent deformations in boron nitride nanostructures subject to an electrical field". <i>Journal Physics D: Applied Physics</i> , 2016, 49, 108002.	1.3	0
120	Role of Roots of Orthogonal Polynomials in the Dynamic Response of Stochastic Systems. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .	1.6	6
121	Analysis of Harvesting Energy from Mistuned Multiple Harvesters with and without Coupling. <i>Procedia Engineering</i> , 2016, 144, 621-628.	1.2	7
122	Design of MEMS piezoelectric harvesters with electrostatically adjustable resonance frequency. <i>Mechanical Systems and Signal Processing</i> , 2016, 81, 360-374.	4.4	49
123	Metamodel-based approach for stochastic free vibration analysis of functionally graded carbon nanotube reinforced plates. <i>Composite Structures</i> , 2016, 152, 183-198.	3.1	47
124	Multiple solutions and corresponding power output of a nonlinear bistable piezoelectric energy harvester. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	37
125	A Hybrid Piezoelectric and Electrostatic Vibration Energy Harvester. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 189-195.	0.3	8
126	Design and analysis of vibration energy harvesters based on peak response statistics. <i>Smart Materials and Structures</i> , 2016, 25, 065009.	1.8	24

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127	Effect of cutout on stochastic natural frequency of composite curved panels. Composites Part B: Engineering, 2016, 105, 188-202.	5.9	55
128	Free-Vibration Analysis of Sandwich Panels with Randomly Irregular Honeycomb Core. Journal of Engineering Mechanics - ASCE, 2016, 142, .	1.6	81
129	Probabilistic Analysis and Design of HCP Nanowires: An Efficient Surrogate Based Molecular Dynamics Simulation Approach. Journal of Materials Science and Technology, 2016, 32, 1345-1351.	5.6	43
130	Pullout strength of graphene and carbon nanotube/epoxy composites. Composites Part B: Engineering, 2016, 102, 1-8.	5.9	56
131	Vibration suppression in MEMS devices using electrostatic forces. Proceedings of SPIE, 2016, , .	0.8	0
132	The "damping effect"™ in the dynamic response of stochastic oscillators. Probabilistic Engineering Mechanics, 2016, 44, 2-17.	1.3	9
133	Fuzzy uncertainty propagation in composites using Gram-Schmidt polynomial chaos expansion. Applied Mathematical Modelling, 2016, 40, 4412-4428.	2.2	67
134	Uncertain natural frequency analysis of composite plates including effect of noise " A polynomial neural network approach. Composite Structures, 2016, 143, 130-142.	3.1	89
135	Bottom up surrogate based approach for stochastic frequency response analysis of laminated composite plates. Composite Structures, 2016, 140, 712-727.	3.1	51
136	Effective in-plane elastic properties of auxetic honeycombs with spatial irregularity. Mechanics of Materials, 2016, 95, 204-222.	1.7	93
137	Buckling of hybrid nanocomposites with embedded graphene and carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 434-441.	1.3	14
138	A polynomial chaos expansion based molecular dynamics study for probabilistic strength analysis of nano-twinned copper. Materials Research Express, 2016, 3, 036501.	0.8	41
139	On quantifying the effect of noise in surrogate based stochastic free vibration analysis of laminated composite shallow shells. Composite Structures, 2016, 140, 798-805.	3.1	65
140	Equivalent in-plane elastic properties of irregular honeycombs: An analytical approach. International Journal of Solids and Structures, 2016, 91, 169-184.	1.3	72
141	Polynomial chaos expansion with random and fuzzy variables. Mechanical Systems and Signal Processing, 2016, 75, 41-56.	4.4	42
142	Quantification of Vibration Localization in Periodic Structures. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.0	15
143	Regular and chaotic vibration in a piezoelectric energy harvester. Meccanica, 2016, 51, 1017-1025.	1.2	28
144	An Adaptive Markov Chain Monte Carlo Method for Bayesian Finite Element Model Updating. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 55-65.	0.3	3

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145	A Response Surface Modelling Approach for Resonance Driven Reliability Based Optimization of Composite Shells. <i>Periodica Polytechnica: Civil Engineering</i> , 2016, 60, 103-111.	0.6	47
146	An Energy Measure for Mode Localization. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 105-110.	0.3	0
147	Impact response of functionally graded conical shells. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 133-152.	0.6	14
148	Rotational and ply-level uncertainty in response of composite shallow conical shells. <i>Composite Structures</i> , 2015, 131, 594-605.	3.1	47
149	Stochastic free vibration analysis of angle-ply composite plates â€“ A RS-HDMR approach. <i>Composite Structures</i> , 2015, 122, 526-536.	3.1	70
150	Hyperelastic tension of graphene. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	8
151	Nonlocal effects on the longitudinal vibration of a complex multi-nanorod system subjected to the transverse magnetic field. <i>Meccanica</i> , 2015, 50, 1605-1621.	1.2	22
152	Nonlocal normal modes in nanoscale dynamical systems. <i>Mechanical Systems and Signal Processing</i> , 2015, 60-61, 583-603.	4.4	25
153	The estimation of time-invariant parameters of noisy nonlinear oscillatory systems. <i>Journal of Sound and Vibration</i> , 2015, 344, 81-100.	2.1	30
154	Vibration insight of a nonlocal viscoelastic coupled multi-nanorod system. <i>European Journal of Mechanics, A/Solids</i> , 2015, 54, 132-145.	2.1	18
155	Polynomial chaos expansion in structural dynamics: Accelerating the convergence of the first two statistical moment sequences. <i>Journal of Sound and Vibration</i> , 2015, 356, 144-154.	2.1	44
156	Thermal uncertainty quantification in frequency responses of laminated composite plates. <i>Composites Part B: Engineering</i> , 2015, 80, 186-197.	5.9	45
157	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> , 2015, 74, 40-45.	1.9	73
158	Polynomial Chaos Expansion and Steady-State Response of a Class of Random Dynamical Systems. <i>Journal of Engineering Mechanics - ASCE</i> , 2015, 141, .	1.6	45
159	Stochastic natural frequency of composite conical shells. <i>Acta Mechanica</i> , 2015, 226, 2537-2553.	1.1	43
160	Non-linear energy harvesting from coupled impacting beams. <i>International Journal of Mechanical Sciences</i> , 2015, 96-97, 101-109.	3.6	78
161	Optimum design of FRP bridge deck: an efficient RS-HDMR based approach. <i>Structural and Multidisciplinary Optimization</i> , 2015, 52, 459-477.	1.7	42
162	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> , 2015, 96-97, 132-142.	3.6	65

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163	Automatic mode tracking for flight dynamic analysis using a spanning algorithm. <i>Aerospace Science and Technology</i> , 2015, 47, 54-67.	2.5	3
164	Finite Element Model Updating Using an Evolutionary Markov Chain Monte Carlo Algorithm. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2015, , 245-253.	0.3	12
165	Free vibration analysis of angle-ply composite plates with uncertain properties. , 2015, , .		0
166	Adaptive tuned piezoelectric MEMS vibration energy harvester using an electrostatic device. <i>European Physical Journal: Special Topics</i> , 2015, 224, 2703-2717.	1.2	18
167	Dynamic analysis of stochastic structural systems using frequency adaptive spectral functions. <i>Probabilistic Engineering Mechanics</i> , 2015, 39, 23-38.	1.3	17
168	Transient response analysis of randomly parametrized finite element systems based on approximate balanced reduction. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 285, 542-570.	3.4	4
169	The effect of noise on the response of a vertical cantilever beam energy harvester. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2015, 95, 433-443.	0.9	27
170	Radial breathing-mode frequency of elastically confined spherical nanoparticles subjected to circumferential magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 66, 228-233.	1.3	10
171	Stochastic free vibration analyses of composite shallow doubly curved shells " A Kriging model approach. <i>Composites Part B: Engineering</i> , 2015, 70, 99-112.	5.9	79
172	Finite element model updating using the shadow hybrid Monte Carlo technique. <i>Mechanical Systems and Signal Processing</i> , 2015, 52-53, 115-132.	4.4	47
173	Nonlocal longitudinal vibration of viscoelastic coupled double-nanorod systems. <i>European Journal of Mechanics, A/Solids</i> , 2015, 49, 183-196.	2.1	56
174	Effect of twist and rotation on vibration of functionally graded conical shells. <i>International Journal of Mechanics and Materials in Design</i> , 2015, 11, 425-437.	1.7	12
175	Structures with Nonviscous Damping, Modeling, and Analysis. , 2015, , 3661-3671.		0
176	Probabilistic Sensitivity Analysis of Corrugated Skins with Random Elastic Parameters and Surface Topology. , 2014, , .		0
177	Energy Harvesting in a Nonlinear Cantilever Piezoelectric Beam System Excited by Random Vertical Vibrations. <i>International Journal of Structural Stability and Dynamics</i> , 2014, 14, 1440018.	1.5	13
178	Uncertainty analysis of corrugated skin with random elastic parameters and surface topology. , 2014, , .		0
179	Axial Vibration of Embedded Nanorods Under Transverse Magnetic Field Effects via Nonlocal Elastic Continuum Theory. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 1230-1236.	0.4	21
180	Dynamics of multiple viscoelastic carbon nanotube based nanocomposites with axial magnetic field. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	38

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