Jamil M Renno

List of Publications by Year
in descending order

51 papers	**1,248** citations	687363 **13** h-index	377865 **34** g-index
51 all docs	**51** docs citations	**51** times ranked	**852** citing authors

#	Article	IF	Citations
1	Experimental and numerical investigation of damping in a hybrid automotive damper combining viscous and multiple-impact mechanisms. JVC/Journal of Vibration and Control, 2022, 28, 3676-3687.	2.6	2
2	Using probabilistic neural networks for modeling metal fatigue and random vibration in process pipework. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 1227-1242.	3.4	5
3	On the Suitability of Vibration Acceptance Criteria of Process Pipework. Advances in Materials Science and Engineering, 2022, 2022, 1-9.	1.8	0
4	A hybrid piezoelectric-electromagnetic energy harvester from vortex-induced vibrations in fluid-flow; the influence of boundary condition in tuning the harvester. Energy Conversion and Management, 2022, 256, 115371.	9.2	25
5	Experimental Investigation of the Vibration Control of Nonrotating Periodic Drill Strings. Journal of Vibration and Acoustics, Transactions of the ASME, 2021, 143, .	1.6	2
6	Broadband vibration energy harvesting from a non-deterministic system: Performance of different piezoelectric patch shapes. Materials Research Express, 2021, 8, 025702.	1.6	3
7	A hybrid piezoelectric–electromagnetic nonlinear vibration energy harvester excited by fluid flow. Comptes Rendus - Mecanique, 2021, 349, 65-81.	0.7	6
8	Investigating the characteristics of a magnetorheological fluid damper through CFD modeling. Materials Research Express, 2021, 8, 055701.	1.6	9
9	An enhanced hybrid piezoelectric–electromagnetic energy harvester using dual-mass system for vortex-induced vibrations. JVC/Journal of Vibration and Control, 2021, 27, 2848-2861.	2.6	13
10	Modelling Wave Behaviour of Elastic Helical Waveguides. Lecture Notes in Mechanical Engineering, 2021, , 925-940.	0.4	0
11	Geometrical Investigation of Piezoelectric Patches for Broadband Energy Harvesting in Non-Deterministic Composite Plates. Materials, 2021, 14, 7370.	2.9	1
12	Wave propagation in double helical rods. Wave Motion, 2020, 93, 102446.	2.0	8
13	Dynamic Response of a Rotating Assembly under the Coupled Effects of Misalignment and Imbalance. Shock and Vibration, 2020, 2020, 1-26.	0.6	6
14	Experimental investigation of the crashworthiness performance of fiber and fiber steel-reinforced composites tubes. Composite Structures, 2020, 251, 112655.	5.8	12
15	Optimization of Viscoelastic Metamaterials for Vibration Attenuation Properties. International Journal of Applied Mechanics, 2020, 12, 2050116.	2.2	13
16	Investigation of the Effect of the Force-Frequency on the Behaviour of a New Viscous Damper for Railway Applications. , 2020, , .		3
17	Wave Scattering and Power Flow in Straight-Helical-Straight Waveguide Structure. International Journal of Applied Mechanics, 2019, 11, 1950075.	2.2	8
18	Time-Domain Based Quantification of Surface Degradation for Better Monitoring of the Health Condition of Ball Bearings. Vibration, 2018, 1, 172-191.	1.9	2

#	Article	IF	Citations
19	Wave transmission through two-dimensional structures by the hybrid FE/WFE approach. Journal of Sound and Vibration, 2017, 389, 484-501.	3.9	31
20	Calculating the forced response of cylinders and cylindrical shells using the wave and finite element method. Journal of Sound and Vibration, 2014, 333, 5340-5355.	3.9	34
21	Vibration modelling of structural networks using a hybrid finite element/wave and finite element approach. Wave Motion, 2014, 51, 566-580.	2.0	29
22	Calculation of reflection and transmission coefficients of joints using a hybrid finite element/wave and finite element approach. Journal of Sound and Vibration, 2013, 332, 2149-2164.	3.9	72
23	A Finite Element Method for Modelling Waves in Laminated Structures. Advances in Structural Engineering, 2013, 16, 61-75.	2.4	16
24	Structural response of an aircraft fuselage to hydraulic system - A wave and mobility approach. Noise Control Engineering Journal, 2013, 61, 87-99.	0.3	4
25	Vibration modelling of helical springs with non-uniform ends. Journal of Sound and Vibration, 2012, 331, 2809-2823.	3.9	24
26	Calculating the forced response of two-dimensional homogeneous media using the wave and finite element method. Journal of Sound and Vibration, 2011, 330, 5913-5927.	3.9	33
27	On the forced response of waveguides using the wave and finite element method. Journal of Sound and Vibration, 2010, 329, 5474-5488.	3.9	76
28	Nonlinear Control of a Membrane Mirror Strip Actuated Axially and in Bending. AIAA Journal, 2009, 47, 484-493.	2.6	11
29	Modeling and Control of a Membrane Strip Using a Single Piezoelectric Bimorph. JVC/Journal of Vibration and Control, 2009, 15, 391-414.	2.6	12
30	On the optimal energy harvesting from a vibration source. Journal of Sound and Vibration, 2009, 320, 386-405.	3.9	311
31	Modeling of Piezoelectric Energy Harvesting from an L-shaped Beam-mass Structure with an Application to UAVs. Journal of Intelligent Material Systems and Structures, 2009, 20, 529-544.	2.5	351
32	On the Optimal Energy Harvesting from a Vibration Source Using a Piezoelectric Stack. , 2009, , 165-194.		0
33	Generalized Design of an Anti-swing Fuzzy Logic Controller for an Overhead Crane with Hoist. JVC/Journal of Vibration and Control, 2008, 14, 319-346.	2.6	40
34	Piezoelectric energy harvesting from an L-shaped beam-mass structure. Proceedings of SPIE, 2008, , .	0.8	13
35	Switching sliding mode control for a membrane strip with MFC actuators. Proceedings of SPIE, 2008, , .	0.8	3
36	Experimentally Validated Model of a Membrane Strip with Multiple Actuators. Journal of Spacecraft and Rockets, 2007, 44, 1140-1152.	1.9	8

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#	Article	IF	Citations
37	An Experimentally Verified Model of a Membrane Mirror Strip Actuated Using a Piezoelectric Bimorph. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 631-640.	1.6	5
38	Inverse Dynamics Based Tuning of a Fuzzy Logic Controller for a Single-Link Flexible Manipulator. JVC/Journal of Vibration and Control, 2007, 13, 1741-1759.	2.6	17
39	Parameter Optimization of a Vibration-Based Energy Harvester With an RL Electric Circuit. , 2007, , 787.		2
40	A New Approach for Changing Structural Properties of a Membrane Mirror Strip for Adaptive Optics Applications. , 2007, , 1809.		0
41	Effects of System Parameters and Damping on an Optimal Vibration-Based Energy Harvester. , 2007, , .		7
42	Sliding Mode Control for a Membrane Mirror Strip Actuated Using Multiple Smart Actuators. , 2007, , .		1
43	Dynamic Modeling of Segmented Ionic Polymer Metal Composite (IPMC) Actuator. , 2006, , .		9
44	Modeling of a Membrane Mirror Strip Actuated Using a Piezoelectric Bimorph. , 2006, , .		4
45	A Single Phase Anti-Swing Fuzzy Logic Controller for an Overhead Crane With Hoisting. , 2006, , .		1
46	Inverse Dynamics Based Fuzzy Logic Controller for a Single-Link Flexible Manipulator. , 2005, , 841.		0
47	Anti-Swing Adaptive Fuzzy Controller for an Overhead Crane With Hoisting. , 2004, , 589.		9
48	End Point Position Control of Multi-Link Flexible Manipulators Using SDRE Method. , 2004, , .		1
49	Calculating the response of waveguides to base excitation using the wave and finite element method. JVC/Journal of Vibration and Control, 0, , 107754632098131.	2.6	3
50	Energy harvesting from railway slab-tracks with continuous slabs. JVC/Journal of Vibration and Control, 0, , 107754632110542.	2.6	1
51	Modelling fatigue uncertainty by means of nonconstant variance neural networks. Fatigue and Fracture of Engineering Materials and Structures, 0, , .	3.4	2