

Vijaya Venkata Narasimha Sriram Malla

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

274
citations

1040056

9
h-index

996975

15
g-index

30
all docs

30
docs citations

30
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Gender Classification of Walkers via Underfloor Accelerometer Measurements. IEEE Internet of Things Journal, 2016, 3, 1259-1266.	8.7	39
2	Theoretical and experimental correlation of mechanical wave formation on beams. Journal of Intelligent Material Systems and Structures, 2016, 27, 1939-1948.	2.5	30
3	Characterization and representation of mechanical waves generated in piezo-electric augmented beams. Smart Materials and Structures, 2015, 24, 105026.	3.5	29
4	An experimental and theoretical study of two-dimensional traveling waves in plates. Journal of Intelligent Material Systems and Structures, 2017, 28, 1803-1815.	2.5	28
5	Towards indoor localization of pedestrians via smart building vibration sensing. , 2015, , .		25
6	Vibration-based gait analysis via instrumented buildings. International Journal of Distributed Sensor Networks, 2019, 15, 155014771988160.	2.2	19
7	Estimating dispersion curves from Frequency Response Functions via Vector-Fitting. Mechanical Systems and Signal Processing, 2020, 140, 106597.	8.0	12
8	Application of projection-based model reduction to finite-element plate models for two-dimensional traveling waves. Journal of Intelligent Material Systems and Structures, 2017, 28, 1886-1904.	2.5	11
9	Cochlear amplifier inspired two-channel active artificial hair cells. Mechanical Systems and Signal Processing, 2019, 129, 568-589.	8.0	8
10	Estimating experimental dispersion curves from steady-state frequency response measurements. Mechanical Systems and Signal Processing, 2022, 164, 108218.	8.0	7
11	Traveling Wave Phenomenon Through Piezoelectric Actuation of a Free-Free Cylindrical Tube. , 2015, , .		6
12	Investigation of propulsive characteristics due to traveling waves in continuous finite media. Proceedings of SPIE, 2017, , .	0.8	4
13	Investigation into the superposition of multiple mode shape composed traveling waves. Proceedings of SPIE, 2017, , .	0.8	4
14	Neuro fuzzy modelling of Basic Oxygen Furnace and its comparison with Neural Network and GRNN models. , 2010, , .		3
15	Reduced Plate Model Used for 2D Traveling Wave Propagation. , 2015, , .		3
16	ANFIS Driven Strain Control of Thin-Shape Memory Alloy Wires Using Seebeck Voltage of a Shape Memory Alloyâ€“Constantan Thermocouple. Journal of Vibration and Acoustics, Transactions of the ASME, 2015, 137, .	1.6	3
17	Leveraging a data-driven approach to simulate and experimentally validate a MIMO multiphysics vibroacoustic system. Mechanical Systems and Signal Processing, 2022, 166, 108414.	8.0	3
18	Classification of event location using matched filters via on-floor accelerometers. Proceedings of SPIE, 2017, , .	0.8	3

#	ARTICLE	IF	CITATIONS
19	Sensorless Control of SMA Using Seebeck Voltage. , 2012, , .		2
20	Control of Strain Characteristics of SMA Wires Using Seebeck Voltage. , 2013, , .		2
21	A study on steady-state traveling waves in one-dimensional non-dispersive finite media. Journal of Sound and Vibration, 2022, 528, 116907.	3.9	2
22	Continuous Scanning for Acoustic Field Characterization. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 625-636.	0.5	1
23	BPNN and ANFIS models for prediction of floor bearing characteristics of weak rock foundations. , 2012, , .		0
24	Reduction of Variation in Mooney Viscosity of Polybutadiene Rubber. Communications in Computer and Information Science, 2012, , 519-528.	0.5	0
25	Non-Linear Impedance-Based Structural Health Monitoring for Damage Detection and Identification. , 2015, , .		0
26	Design and development of a prototype platform for gait analysis. Proceedings of SPIE, 2017, , .	0.8	0
27	Parametric Study of a Continuous Scanning Method Used to Characterize an Acoustic Field. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 341-349.	0.5	0
28	In-field implementation of impedance-based structural health monitoring for insulated rail joints. , 2017, , .		0