# Vijaya Venkata Narasimha Sriram  Malla

## List of Publications by Year
in descending order

| | | 1040056 | 996975 |
|---|---|---|---|
| **28** papers | **274** citations | **9** h-index | **15** g-index |
| **30** all docs | **30** docs citations | **30** times ranked | **150** citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Estimating experimental dispersion curves from steady-state frequency response measurements. Mechanical Systems and Signal Processing, 2022, 164, 108218. | 8.0 | 7 |
| 2 | 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 |
| 3 | 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 |
| 4 | Estimating dispersion curves from Frequency Response Functions via Vector-Fitting. Mechanical Systems and Signal Processing, 2020, 140, 106597. | 8.0 | 12 |
| 5 | Cochlear amplifier inspired two-channel active artificial hair cells. Mechanical Systems and Signal Processing, 2019, 129, 568-589. | 8.0 | 8 |
| 6 | Vibration-based gait analysis via instrumented buildings. International Journal of Distributed Sensor Networks, 2019, 15, 155014771988160. | 2.2 | 19 |
| 7 | Investigation of propulsive characteristics due to traveling waves in continuous finite media. Proceedings of SPIE, 2017, , . | 0.8 | 4 |
| 8 | Investigation into the superposition of multiple mode shape composed traveling waves. Proceedings of SPIE, 2017, , . | 0.8 | 4 |
| 9 | 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 |
| 10 | 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 |
| 11 | Design and development of a prototype platform for gait analysis. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 12 | Classification of event location using matched filters via on-floor accelerometers. Proceedings of SPIE, 2017, , . | 0.8 | 3 |
| 13 | In-field implementation of impedance-based structural health monitoring for insulated rail joints. , 2017, , . | | 0 |
| 14 | Gender Classification of Walkers via Underfloor Accelerometer Measurements. IEEE Internet of Things Journal, 2016, 3, 1259-1266. | 8.7 | 39 |
| 15 | Theoretical and experimental correlation of mechanical wave formation on beams. Journal of Intelligent Material Systems and Structures, 2016, 27, 1939-1948. | 2.5 | 30 |
| 16 | Non-Linear Impedance-Based Structural Health Monitoring for Damage Detection and Identification. , 2015, , . | | 0 |
| 17 | Reduced Plate Model Used for 2D Traveling Wave Propagation. , 2015, , . | | 3 |
| 18 | Traveling Wave Phenomenon Through Piezoelectric Actuation of a Free-Free Cylindrical Tube. , 2015, , . | | 6 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Characterization and representation of mechanical waves generated in piezo-electric augmented beams. Smart Materials and Structures, 2015, 24, 105026. | 3.5 | 29 |
| 20 | 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 |
| 21 | Towards indoor localization of pedestrians via smart building vibration sensing. , 2015, , . |  | 25 |
| 22 | Continuous Scanning for Acoustic Field Characterization. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 625-636. | 0.5 | 1 |
| 23 | 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 |
| 24 | Control of Strain Characteristics of SMA Wires Using Seebeck Voltage. , 2013, , . |  | 2 |
| 25 | Sensorless Control of SMA Using Seebeck Voltage. , 2012, , . |  | 2 |
| 26 | BPNN and ANFIS models for prediction of floor bearing characteristics of weak rock foundations. , 2012, , . |  | 0 |
| 27 | Reduction of Variation in Mooney Viscosity of Polybutadiene Rubber. Communications in Computer and Information Science, 2012, , 519-528. | 0.5 | 0 |
| 28 | Neuro fuzzy modelling of Basic Oxygen Furnace and its comparison with Neural Network and GRNN models. , 2010, , . |  | 3 |