# Zi-Qiang Lang

## List of Publications by Citations



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|---|---|---|---|
| 152 papers | 3,005 citations | 31 h-index | 49 g-index |
| 168 ext. papers | 3,562 ext. citations | 3.4 avg, IF | 5.49 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 152 | Output frequency characteristics of nonlinear systems. *International Journal of Control*, **1996**, 64, 1049-1067 | 1.5 | 146 |
| 151 | Polynomial Chirplet Transform With Application to Instantaneous Frequency Estimation. *IEEE Transactions on Instrumentation and Measurement*, **2011**, 60, 3222-3229 | 5.2 | 144 |
| 150 | Output frequency response function of nonlinear Volterra systems. *Automatica*, **2007**, 43, 805-816 | 5.7 | 117 |
| 149 | Energy transfer properties of non-linear systems in the frequency domain. *International Journal of Control*, **2005**, 78, 345-362 | 1.5 | 117 |
| 148 | Theoretical study of the effects of nonlinear viscous damping on vibration isolation of sdof systems. *Journal of Sound and Vibration*, **2009**, 323, 352-365 | 3.9 | 110 |
| 147 | Crack detection using nonlinear output frequency response functions. *Journal of Sound and Vibration*, **2007**, 301, 777-788 | 3.9 | 108 |
| 146 | Study of the effects of cubic nonlinear damping on vibration isolations using Harmonic Balance Method. *International Journal of Non-Linear Mechanics*, **2012**, 47, 1073-1080 | 2.8 | 84 |
| 145 | Comparisons between harmonic balance and nonlinear output frequency response function in nonlinear system analysis. *Journal of Sound and Vibration*, **2008**, 311, 56-73 | 3.9 | 83 |
| 144 | Finite-Time $mathcal{L}_{2}$ Leader□ollower Consensus of Networked Euler□agrange Systems With External Disturbances. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1920-1928 | 7.3 | 66 |
| 143 | Analysis and design of the force and displacement transmissibility of nonlinear viscous damper based vibration isolation systems. *Nonlinear Dynamics*, **2012**, 67, 2671-2687 | 5 | 61 |
| 142 | Feasibility study of structural damage detection using NARMAX modelling and Nonlinear Output Frequency Response Function based analysis. *Mechanical Systems and Signal Processing*, **2011**, 25, 1045-1061 | 7.8 | 60 |
| 141 | Frequency domain analysis of a dimensionless cubic nonlinear damping system subject to harmonic input. *Nonlinear Dynamics*, **2009**, 58, 469-485 | 5 | 53 |
| 140 | A nonparametric polynomial identification algorithm for the Hammerstein system. *IEEE Transactions on Automatic Control*, **1997**, 42, 1435-1441 | 5.9 | 50 |
| 139 | . *IEEE Transactions on Industrial Electronics*, **2015**, 62, 6558-6564 | 8.9 | 49 |
| 138 | Resonances and resonant frequencies for a class of nonlinear systems. *Journal of Sound and Vibration*, **2007**, 300, 993-1014 | 3.9 | 46 |
| 137 | Analysis of bilinear oscillators under harmonic loading using nonlinear output frequency response functions. *International Journal of Mechanical Sciences*, **2007**, 49, 1213-1225 | 5.5 | 45 |
| 136 | Output frequency properties of nonlinear systems. *International Journal of Non-Linear Mechanics*, **2010**, 45, 681-690 | 2.8 | 43 |

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| 135 | Frequency domain analysis for suppression of output vibration from periodic disturbance using nonlinearities. *Journal of Sound and Vibration*, **2008**, 314, 536-557 | 3.9 | 42 |
| 134 | Output frequencies of nonlinear systems. *International Journal of Control*, **1997**, 67, 713-730 | 1.5 | 40 |
| 133 | The parametric characteristic of frequency response functions for nonlinear systems. *International Journal of Control*, **2006**, 79, 1552-1564 | 1.5 | 40 |
| 132 | Nonlinear influence in the frequency domain: Alternating series. *Systems and Control Letters*, **2011**, 60, 295-309 | 2.4 | 39 |
| 131 | Application of non-linear damping to vibration isolation: an experimental study. *Nonlinear Dynamics* , **2012**, 69, 409-421 | 5 | 37 |
| 130 | Transmissibility of non-linear output frequency response functions with application in detection and location of damage in MDOF structural systems. *International Journal of Non-Linear Mechanics*, **2011**, 46, 841-853 | 2.8 | 36 |
| 129 | Output frequency response function-based analysis for nonlinear Volterra systems. *Mechanical Systems and Signal Processing*, **2008**, 22, 102-120 | 7.8 | 36 |
| 128 | On the convergence of the Volterra-series representation of the Duffing's oscillators subjected to harmonic excitations. *Journal of Sound and Vibration*, **2007**, 305, 322-332 | 3.9 | 35 |
| 127 | A novel approach for nonlinearity detection in vibrating systems. *Journal of Sound and Vibration*, **2008**, 314, 603-615 | 3.9 | 35 |
| 126 | Output frequency response function based design of additional nonlinear viscous dampers for vibration control of multi-degree-of-freedom systems. *Journal of Sound and Vibration*, **2013**, 332, 4461-4481 | 3.9 | 34 |
| 125 | Numerical analysis of cracked beams using nonlinear output frequency response functions. *Computers and Structures*, **2008**, 86, 1809-1818 | 4.5 | 34 |
| 124 | Controller design oriented model identification method for Hammerstein system. *Automatica*, **1993** , 29, 767-771 | 5.7 | 34 |
| 123 | Evaluation of output frequency responses of nonlinear systems under multiple inputs. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2000**, 47, 28-38 | | 33 |
| 122 | New bound characteristics of NARX model in the frequency domain. *International Journal of Control* , **2007**, 80, 140-149 | 1.5 | 32 |
| 121 | A frequency domain analysis of the effects of nonlinear damping on the Duffing equation. *Mechanical Systems and Signal Processing*, **2014**, 45, 49-67 | 7.8 | 31 |
| 120 | Mapping from parametric characteristics to generalized frequency response functions of non-linear systems. *International Journal of Control*, **2008**, 81, 1071-1088 | 1.5 | 30 |
| 119 | An investigation into the characteristics of non-linear frequency response functions. Part 1: Understanding the higher dimensional frequency spaces. *International Journal of Control*, **2005**, 78, 1031-1044 | 1.5 | 30 |
| 118 | Frequency Domain Analysis and Design of Nonlinear Systems based on Volterra Series Expansion. *Understanding Complex Systems*, **2015**, | 0.4 | 29 |

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| 117 | Analysis of the dynamic characteristics of a slant-cracked cantilever beam. *Mechanical Systems and Signal Processing*, **2016**, 75, 261-279 | 7.8 | 29 |
| 116 | Design of vibration isolators by exploiting the beneficial effects of stiffness and damping nonlinearities. *Journal of Sound and Vibration*, **2014**, 333, 2489-2504 | 3.9 | 29 |
| 115 | A New Transmissibility Analysis Method for Detection and Location of Damage via Nonlinear Features in MDOF Structural Systems. *IEEE/ASME Transactions on Mechatronics*, **2015**, 20, 1933-1947 | 5.5 | 27 |
| 114 | Vibration isolation using nonlinear damping implemented by a feedback-controlled MR damper. *Smart Materials and Structures*, **2013**, 22, 105010 | 3.4 | 27 |
| 113 | The force transmissibility of MDOF structures with a non-linear viscous damping device. *International Journal of Non-Linear Mechanics*, **2011**, 46, 1305-1314 | 2.8 | 27 |
| 112 | The effects of nonlinearity on the output frequency response of a passive engine mount. *Journal of Sound and Vibration*, **2008**, 318, 313-328 | 3.9 | 27 |
| 111 | A bound for the magnitude characteristics of nonlinear output frequency response functions Part 1. Analysis and computation. *International Journal of Control*, **1996**, 65, 309-328 | 1.5 | 27 |
| 110 | The analysis of nonlinear systems in the frequency domain using Nonlinear Output Frequency Response Functions. *Automatica*, **2018**, 94, 452-457 | 5.7 | 27 |
| 109 | Non-linear output frequency response functions for multi-input non-linear Volterra systems. *International Journal of Control*, **2007**, 80, 843-855 | 1.5 | 25 |
| 108 | Analytical description of the effects of system nonlinearities on output frequency responses: A case study. *Journal of Sound and Vibration*, **2006**, 295, 584-601 | 3.9 | 25 |
| 107 | Non-linear systems in the frequency domain: Energy transfer filters. *International Journal of Control* , **2002**, 75, 1066-1081 | 1.5 | 25 |
| 106 | Magnitude bounds of generalized frequency response functions for nonlinear Volterra systems described by NARX model. *Automatica*, **2008**, 44, 838-845 | 5.7 | 24 |
| 105 | The Transmissibility of Vibration Isolators With a Nonlinear Antisymmetric Damping Characteristic. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2010**, 132, | 1.6 | 22 |
| 104 | Constructing an overall dynamical model for a system with changing design parameter properties. *International Journal of Modelling, Identification and Control*, **2008**, 5, 93 | 0.6 | 22 |
| 103 | Non-linear output frequency response functions of MDOF systems with multiple non-linear components. *International Journal of Non-Linear Mechanics*, **2007**, 42, 941-958 | 2.8 | 22 |
| 102 | Nonlinear parameter estimation for multi-degree-of-freedom nonlinear systems using nonlinear output frequency-response functions. *Mechanical Systems and Signal Processing*, **2008**, 22, 1582-1594 | 7.8 | 22 |
| 101 | Frequency domain analysis for non-linear Volterra systems with a general non-linear output function. *International Journal of Control*, **2008**, 81, 235-251 | 1.5 | 21 |
| 100 | SCADA-data-based wind turbine fault detection: A dynamic model sensor method. *Control Engineering Practice*, **2020**, 102, 104546 | 3.9 | 20 |

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| 99 | Suppressing Resonant Vibrations Using Nonlinear Springs and Dampers. *JVC/Journal of Vibration and Control*, **2009**, 15, 1731-1744 | 2 | 19 |
| 98 | Dispersion analysis for broadband guided wave using generalized warblet transform. *Journal of Sound and Vibration*, **2016**, 367, 22-36 | 3.9 | 19 |
| 97 | System identification methods for metal rubber devices. *Mechanical Systems and Signal Processing*, **2013**, 39, 207-226 | 7.8 | 18 |
| 96 | MR damper based implementation of nonlinear damping for a pitch plane suspension system. *Smart Materials and Structures*, **2012**, 21, 045006 | 3.4 | 18 |
| 95 | Detecting the position of non-linear component in periodic structures from the system responses to dual sinusoidal excitations. *International Journal of Non-Linear Mechanics*, **2007**, 42, 1074-1083 | 2.8 | 18 |
| 94 | Time–frequency data fusion technique with application to vibration signal analysis. *Mechanical Systems and Signal Processing*, **2012**, 29, 164-173 | 7.8 | 17 |
| 93 | Linear parameter estimation for multi-degree-of-freedom nonlinear systems using nonlinear output frequency-response functions. *Mechanical Systems and Signal Processing*, **2007**, 21, 3108-3122 | 7.8 | 17 |
| 92 | Weighted contribution rate of nonlinear output frequency response functions and its application to rotor system fault diagnosis. *Journal of Sound and Vibration*, **2019**, 460, 114882 | 3.9 | 16 |
| 91 | Volterra Series Approximation of a Class of Nonlinear Dynamical Systems Using the Adomian Decomposition Method. *Nonlinear Dynamics*, **2013**, 74, 359-371 | 5 | 15 |
| 90 | On the Generalized Frequency Response Functions of Volterra Systems. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2009**, 131, | 1.6 | 15 |
| 89 | Determination of the analytical parametric relationship for output spectrum of Volterra systems based on its parametric characteristics. *Journal of Mathematical Analysis and Applications*, **2009**, 351, 694-706 | 1.1 | 15 |
| 88 | Wavelet Energy Transmissibility Function and Its Application to Wind Turbine Bearing Condition Monitoring. *IEEE Transactions on Sustainable Energy*, **2018**, 9, 1833-1843 | 8.2 | 14 |
| 87 | Nonlinear damping based semi-active building isolation system. *Journal of Sound and Vibration*, **2018**, 424, 302-317 | 3.9 | 13 |
| 86 | Design of Nonlinear Systems in the Frequency Domain: An Output Frequency Response Function-Based Approach. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 1358-1371 | 4.8 | 13 |
| 85 | Generalized Transmissibility Damage Indicator With Application to Wind Turbine Component Condition Monitoring. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 6347-6359 | 8.9 | 13 |
| 84 | Truncation of nonlinear system expansions in the frequency domain. *International Journal of Control*, **1997**, 68, 1019-1042 | 1.5 | 12 |
| 83 | A system identification based approach for pulsed eddy current non-destructive evaluation. *Measurement Science and Technology*, **2007**, 18, 2083-2091 | 2 | 12 |
| 82 | An investigation into the characteristics of non-linear frequency response functions. Part 2: New analysis methods based on symbolic expansions and graphical techniques. *International Journal of Control*, **2005**, 78, 1130-1149 | 1.5 | 11 |

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| 81 | The effects of linear and nonlinear characteristic parameters on the output frequency responses of nonlinear systems: The associated output frequency response function. *Automatica*, **2018**, 93, 422-427 | 5.7 | 10 |
| 80 | Optimal placement and design of nonlinear dampers for building structures in the frequency domain. *Earthquake and Structures*, **2014**, 7, 1025-1044 | | 10 |
| 79 | A new convergence analysis for the Volterra series representation of nonlinear systems. *Automatica*, **2020**, 111, 108599 | 5.7 | 10 |
| 78 | System identification-based frequency domain feature extraction for defect detection and characterization. *NDT and E International*, **2018**, 98, 70-79 | 4.1 | 9 |
| 77 | Frequency-Dependent Magnitude Bounds of the Generalized Frequency Response Functions for NARX Model. *European Journal of Control*, **2009**, 15, 68-83 | 2.5 | 9 |
| 76 | Analysis of Output Frequencies of Nonlinear Systems. *IEEE Transactions on Signal Processing*, **2007**, 55, 3239-3246 | 4.8 | 9 |
| 75 | A parametric frequency response method for non-linear time-varying systems. *International Journal of Systems Science*, **2014**, 45, 2133-2144 | 2.3 | 8 |
| 74 | Numerical Investigation of the Effects of MR Damper Characteristic Parameters on Vibration Isolation of SDOF Systems Under Harmonic Excitations. *Journal of Intelligent Material Systems and Structures*, **2010**, 21, 483-501 | 2.3 | 8 |
| 73 | Analysis of Locally Nonlinear MDOF Systems Using Nonlinear Output Frequency Response Functions. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2009**, 131, | 1.6 | 8 |
| 72 | The benefits of nonlinear cubic viscous damping on the force transmissibility of a Duffing-type vibration isolator **2012**, | | 7 |
| 71 | Locating Nonlinear Components in Periodic Structures using Nonlinear Effects. *Structural Health Monitoring*, **2010**, 9, 401-411 | 4.4 | 7 |
| 70 | The Nonlinear Output Frequency Response Functions of One-Dimensional Chain Type Structures. *Journal of Applied Mechanics, Transactions ASME*, **2010**, 77, | 2.7 | 7 |
| 69 | A novel nonlinear approach to suppress resonant vibrations. *Journal of Sound and Vibration*, **2008**, 317, 918-936 | 3.9 | 7 |
| 68 | An Algorithm for Determining the Output Frequency Range of Volterra Models With Multiple Inputs. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2007**, 54, 532-536 | | 7 |
| 67 | An Orthogonal Least Squares based approach to FIR designs. *International Journal of Automation and Computing*, **2005**, 2, 163-170 | 3.5 | 7 |
| 66 | Reducing force transmissibility in multiple degrees of freedom structures through anti-symmetric nonlinear viscous damping. *Acta Mechanica Sinica/Lixue Xuebao*, **2012**, 28, 1436-1448 | 2 | 6 |
| 65 | A bound for the magnitude characteristics of nonlinear output frequency response functions Part 2: Practical computation of the bound for systems described by the nonlinear autoregressive model with exogenous input. *International Journal of Control*, **1996**, 65, 365-384 | 1.5 | 6 |
| 64 | Large stiffness thermoformed open cell foams with auxeticity. *Applied Materials Today*, **2020**, 20, 100775 | 8.6 | 6 |

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| 63 | Nonlinear output frequency response functions: A new evaluation approach and applications to railway and manufacturing systems□condition monitoring. *Mechanical Systems and Signal Processing* , **2022**, 163, 108179 | 7.8 | 6 |
| 62 | Applications of NARMAX in Space Weather **2018**, 203-236 | | 5 |
| 61 | Analysis and optimal design of a vibration isolation system combined with electromagnetic energy harvester. *Journal of Intelligent Material Systems and Structures*, **2019**, 30, 2382-2395 | 2.3 | 5 |
| 60 | A Volterra series representation for a class of nonlinear infinite dimensional systems with periodic boundary conditions. *Systems and Control Letters*, **2013**, 62, 115-123 | 2.4 | 5 |
| 59 | A New Method for Determining the Generalised Frequency Response Functions of Nonlinear Systems. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2012**, 59, 3005-3014 | 3.9 | 5 |
| 58 | Baseline model based structural health monitoring method under varying environment. *Renewable Energy*, **2019**, 138, 1166-1175 | 8.1 | 5 |
| 57 | Data Driven Evaluation of Nonlinear Output Frequency Response Functions with Applications to Structural System Fault Diagnosis **2019**, | | 5 |
| 56 | An output-only ARX model-based sensor fusion framework on structural dynamic measurements using distributed optical fiber sensors and fiber Bragg grating sensors. *Mechanical Systems and Signal Processing*, **2021**, 152, 107439 | 7.8 | 5 |
| 55 | Topological characteristics and mechanical properties of uniaxially thermoformed auxetic foam. *Materials and Design*, **2021**, 211, 110139 | 8.1 | 5 |
| 54 | Modeling and Optimization of the Cement Calcination Process for Reducing NOx Emission Using an Improved Just-In-Time Gaussian Mixture Regression. *Industrial & Engineering Chemistry Research*, **2020**, 59, 4987-4999 | 3.9 | 4 |
| 53 | Fault diagnosis methodology based on nonlinear system modelling and frequency analysis. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 8278-8285 | | 4 |
| 52 | The use of Volterra series in the analysis of the nonlinear Schr□inger equation. *Nonlinear Dynamics* , **2013**, 73, 1587-1599 | 5 | 4 |
| 51 | A Volterra series approach to the frequency domain analysis of non-linear viscous Burgers□ equation. *Nonlinear Dynamics*, **2012**, 70, 1753-1765 | 5 | 4 |
| 50 | On the distribution of nonlinear effects in locally nonlinear one-dimensional chain type structures. *International Journal of Mechanical Sciences*, **2011**, 53, 226-235 | 5.5 | 4 |
| 49 | Novel method for detecting the non-linear components in periodic structures. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2008**, 222, 903-910 | 1.3 | 4 |
| 48 | Relationship between harmonic balance method and non-linear output frequency response function approach. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2007**, 221, 1533-1543 | 1.3 | 4 |
| 47 | Dynamic Event-Triggered SMC of Multi-agent Systems for Consensus Tracking. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1 | 3.5 | 4 |
| 46 | Optimal design of the inlet temperature based periodic operation of non-isothermal CSTR using nonlinear output frequency response functions. *IFAC-PapersOnLine*, **2018**, 51, 620-625 | 0.7 | 4 |

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| 45 | Evaluation of transmissibility for a class of nonlinear passive vibration isolators. *Frontiers of Mechanical Engineering*, **2012**, 7, 401-409 | 3.3 | 3 |
| 44 | Analytical Description of the Frequency Response Function of the Generalized Higher Order Duffing Oscillator Model. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2009**, 56, 224-232 | 3.9 | 3 |
| 43 | The design of energy transfer filters for energy focus filtering. *International Journal of Control*, **2008**, 81, 214-226 | 1.5 | 3 |
| 42 | A new method for the design of energy transfer filters. *International Journal of Control*, **2006**, 79, 968-981 | 1.5 | 3 |
| 41 | Impact properties of uniaxially thermoformed auxetic foams. *International Journal of Impact Engineering*, **2022**, 163, 104176 | 4 | 3 |
| 40 | Analysis of output response of nonlinear systems using nonlinear output frequency response functions **2016**, | | 3 |
| 39 | A Novel Integrated Approach to Characterization of Petroleum Naphtha Properties From Near-Infrared Spectroscopy. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-13 | 5.2 | 3 |
| 38 | Semi-actively Implemented Non-linear Damping for Building Isolation Under Seismic Loadings. *Frontiers in Built Environment*, **2020**, 6, | 2.2 | 2 |
| 37 | A New Efficient System Identification Method for Nonlinear Multiple Degree-of-Freedom Structural Dynamic Systems. *Journal of Computational and Nonlinear Dynamics*, **2016**, 11, | 1.4 | 2 |
| 36 | Spatial frequency range analysis for the nonlinear Schr□inger equation. *Nonlinear Dynamics*, **2014**, 78, 93-102 | 5 | 2 |
| 35 | An effective method for locating nonlinear components in periodic structures. *Journal of Physics: Conference Series*, **2008**, 96, 012016 | 0.3 | 2 |
| 34 | Correction on some typos in □New bound characteristics of NARX model in the frequency domain□ *International Journal of Control*, **2007**, 80, 492-494 | 1.5 | 2 |
| 33 | Suppressing resonant vibrations via energy transfer concepts. *Structural Control and Health Monitoring*, **2006**, 13, 523-535 | 4.5 | 2 |
| 32 | Accurate computation of output frequency responses of nonlinear systems **2004**, | | 2 |
| 31 | THE IDENTIFICATION OF A CLASS OF NONLINEAR SYSTEMS USING A CORRELATION ANALYSIS APPROACH. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 208-212 | | 2 |
| 30 | High Impedance Fault Location in Transmission Line Using Nonlinear Frequency Analysis. *Lecture Notes in Computer Science*, **2010**, 104-111 | 0.9 | 2 |
| 29 | Nonlinear Design and Optimisation of a Vibration Energy Harvester **2018**, | | 2 |
| 28 | Calibrating static measurement data from distributed fiber optics by the integration of limited FBG sensors based on the extended kernel regression method. *Measurement Science and Technology*, **2019**, 30, 125102 | 2 | 1 |

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| 27 | CHARACTERIZING NONLINEAR SPATIO-TEMPORAL SYSTEMS IN THE FREQUENCY DOMAIN. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1230009 | 2 | 1 |
| 26 | Orthogonal Least Squares Based Fast Feature Selection for Linear Classification. *Pattern Recognition*, **2021**, 123, 108419 | 7.7 | 1 |
| 25 | The Nonlinear Output Frequency Response Function and its Application to Fault Detection **2007**, 36-41 | | 1 |
| 24 | Gain-Scheduled Control of Linear Differential Inclusions Subject to Actuator Saturation. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 8051-8059 | 8.9 | 1 |
| 23 | Fault Detection of Nonlinear Rotor Bearing Systems by Using the Nonlinear Output Frequency Response Functions (NOFRFs) **2018**, | | 1 |
| 22 | A dynamic poroelastic model for auxetic polyurethane foams involving viscoelasticity and pneumatic damping effects in the linear regime. *Mechanical Systems and Signal Processing*, **2022**, 179, 109375 | 7.8 | 1 |
| 21 | A data-driven modelling based approach to evaluating prognostic value of Electrical Impedance Spectroscopy for cervical cancer diagnosis. *IFAC-PapersOnLine*, **2021**, 54, 203-208 | 0.7 | 0 |
| 20 | Cervical Cancer Prognosis and Diagnosis Using Electrical Impedance Spectroscopy.. *Journal of Electrical Bioimpedance*, **2021**, 12, 153-162 | 1.5 | 0 |
| 19 | Nonlinear model standardization for the analysis and design of nonlinear systems with multiple equilibria. *Nonlinear Dynamics*, **2021**, 104, 2553-2571 | 5 | 0 |
| 18 | Anisotropy in conventional and uniaxially thermoformed auxetic polymer foams. *Composites Part B: Engineering*, **2022**, 237, 109849 | 10 | 0 |
| 17 | Integrated Identification of the Nonlinear Autoregressive Models With Exogenous Inputs (NARX) for Engineering Systems Design. *IEEE Transactions on Control Systems Technology*, **2022**, 1-8 | 4.8 | 0 |
| 16 | Beneficial effects of antisymmetric nonlinear damping with application to energy harvesting and vibration isolation under general inputs. *Nonlinear Dynamics*,1 | 5 | 0 |
| 15 | Using Nonlinearity for Output Vibration Suppression: An Application Study. *Understanding Complex Systems*, **2015**, 179-205 | 0.4 | |
| 14 | A novel baseline model-based technique for condition monitoring of wind turbine components. *Insight: Non-Destructive Testing and Condition Monitoring*, **2011**, 53, 434-438 | 1.3 | |
| 13 | Location for high impedance fault and polluted insulator in transmission line-based non-linear frequency analysis. *International Journal of Computer Applications in Technology*, **2012**, 43, 51 | 0.7 | |
| 12 | On-line Rotor Systems Condition Monitoring Using Nonlinear Output Frequency Response Functions under Harmonic Excitations. *IEEE Transactions on Industrial Informatics*, **2022**, 1-1 | 11.9 | |
| 11 | Parametric Characteristic Analysis. *Understanding Complex Systems*, **2015**, 53-63 | 0.4 | |
| 10 | Mapping from Parametric Characteristics to the GFRFs and Output Spectrum. *Understanding Complex Systems*, **2015**, 207-235 | 0.4 | |

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| 9 | The Parametric Characteristics Based Output Spectrum Analysis. *Understanding Complex Systems*, **2015**, 113-131 | 0.4 |
| 8 | Magnitude Bound Characteristics of Nonlinear Frequency Response Functions. *Understanding Complex Systems*, **2015**, 269-296 | 0.4 |
| 7 | Output Frequency Characteristics of Nonlinear Systems. *Understanding Complex Systems*, **2015**, 31-52 | 0.4 |
| 6 | The Alternating Series Approach to Nonlinear Influence in the Frequency Domain. *Understanding Complex Systems*, **2015**, 237-268 | 0.4 |
| 5 | Nonlinear Characteristic Output Spectrum. *Understanding Complex Systems*, **2015**, 153-177 | 0.4 |
| 4 | The Parametric Characteristics of Nonlinear Output Spectrum and Applications. *Understanding Complex Systems*, **2015**, 83-111 | 0.4 |
| 3 | Determination of Nonlinear Output Spectrum Based on Its Parametric Characteristics: Some Theoretical Issues. *Understanding Complex Systems*, **2015**, 133-151 | 0.4 |
| 2 | The Generalized Frequency Response Functions and Output Spectrum of Nonlinear Systems. *Understanding Complex Systems*, **2015**, 9-30 | 0.4 |
| 1 | Vibration Control of Systems in Presence of Hard Nonlinearities. *Shock and Vibration*, **2016**, 2016, 1-2 | 1.1 |