

# Patrick Guillaume

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3801636/publications.pdf>

Version: 2024-02-01

279  
papers

6,911  
citations

76196

40  
h-index

85405

71  
g-index

290  
all docs

290  
docs citations

290  
times ranked

3620  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Removal of non-stationary harmonics for operational modal analysis in time and frequency domain. <i>Mechanical Systems and Signal Processing</i> , 2022, 165, 108329.   | 4.4 | 10        |
| 2  | Effect of Coaxial Powder Nozzle Jet Process Parameters on Single-Track Geometry for Laser Beam Directed Energy Deposition Process. , 2022, , 51-74.   |     | 3         |
| 3  | Wave propagation visualisation through ducts using Schlieren technique for crack localisation with eSHM-system. <i>Applied Optics</i> , 2021, 60, 10221-10231.  | 0.9 | 0         |
| 4  | Process parameter study for enhancement of directed energy deposition powder efficiency based on single-track geometry evaluation. <i>Journal of Laser Applications</i> , 2021, 33, .                                   | 0.8 | 4         |
| 5  | Structural health monitoring through surface acoustic wave inspection deployed on capillaries embedded in additively manufactured components. <i>MATEC Web of Conferences</i> , 2021, 349, 03010.                       | 0.1 | 0         |
| 6  | Production Assessment of Hybrid Directed Energy Deposition Manufactured Sample with Integrated Effective Structural Health Monitoring channel (eSHM). <i>Procedia Structural Integrity</i> , 2021, 34, 32-38.           | 0.3 | 2         |
| 7  | Combining Test and Simulation to Tackle the Challenges Derived from Boundary Conditions Mismatches in Environmental Testing. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2020, , 259-269. | 0.3 | 7         |
| 8  | Multi-Input Multi-Output Swept Sine Control: A Steepest Descent Solution for a Challenging Problem. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2020, , 83-94.                            | 0.3 | 1         |
| 9  | Analyses of drives power reduction techniques for multi-axis random vibration control tests. <i>Mechanical Systems and Signal Processing</i> , 2020, 135, 106395.   | 4.4 | 13        |
| 10 | Offline powder-gas nozzle jet characterization for coaxial laser-based Directed Energy Deposition. <i>Procedia CIRP</i> , 2020, 94, 281-287.  | 1.0 | 10        |
| 11 | Letâ€™s Make Ball Balancing Great Again: Why You Should Use Temporary Speed Reduction. <i>Machines</i> , 2020, 8, 74.   | 1.2 | 0         |
| 12 | A proof-of-concept analysis relating dimensions of a melt pool to its vibrational behavior to control a laser-based additive manufacturing process. <i>Procedia CIRP</i> , 2020, 94, 404-408.                           | 1.0 | 1         |
| 13 | Spatial distributed spectroscopic monitoring of melt pool and vapor plume during the laser metal deposition process. <i>Procedia CIRP</i> , 2020, 94, 445-450.  | 1.0 | 2         |
| 14 | MiCLAD as a platform for real-time monitoring and machine learning in laser metal deposition. <i>Procedia CIRP</i> , 2020, 94, 456-461.   | 1.0 | 22        |
| 15 | Comparison of visual and hyperspectral monitoring of the melt pool during Laser Metal Deposition. <i>Procedia CIRP</i> , 2020, 94, 462-468.   | 1.0 | 9         |
| 16 | An analytical amplitude model for negative pressure waves in gaseous media. <i>Mechanical Systems and Signal Processing</i> , 2020, 144, 106800.  | 4.4 | 11        |
| 17 | Driving a Motion Platform with a Vibration Control Software for Multi-Axis Environmental Testing: Challenges and Solutions. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 215-231.  | 0.3 | 1         |
| 18 | Localization of dynamic forces on structures with an interior point method using group sparsity. <i>Mechanical Systems and Signal Processing</i> , 2019, 115, 593-606.  | 4.4 | 17        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Fatigue failure monitoring of 316L stainless steel coupons using optical fibre based distributed strain sensing. <i>Smart Materials and Structures</i> , 2019, 28, 105054.  | 1.8 | 4         |
| 20 | Analytical Modeling of Embedded Load Sensing Using Liquid-Filled Capillaries Integrated by Metal Additive Manufacturing. <i>IEEE Sensors Journal</i> , 2019, 19, 9447-9455.   | 2.4 | 3         |
| 21 | On the Influence of Capillary-Based Structural Health Monitoring on Fatigue Crack Initiation and Propagation in Straight Lugs. <i>Materials</i> , 2019, 12, 2965.   | 1.3 | 3         |
| 22 | Identification of Noise, Vibration and Harshness Behavior of Wind Turbine Drivetrain under Different Operating Conditions. <i>Energies</i> , 2019, 12, 3401.  | 1.6 | 5         |
| 23 | Directional and oscillating residual stress on the mesoscale in additively manufactured Ti-6Al-4V. <i>Acta Materialia</i> , 2019, 168, 299-308.   | 3.8 | 62        |
| 24 | Hyperspectral and thermal temperature estimation during laser cladding. <i>Journal of Laser Applications</i> , 2019, 31, .  | 0.8 | 12        |
| 25 | Dynamic Performance of a Squeeze Film Damper with a Cylindrical Roller Bearing under a Large Static Radial Loading Range. <i>Machines</i> , 2019, 7, 14.  | 1.2 | 6         |
| 26 | On the Nature of Pressure Wave Propagation through Ducts for Structural Health Monitoring Application. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 837.  | 1.3 | 5         |
| 27 | The MLMM modal parameter estimation method: A new feature to maximize modal model robustness. <i>Mechanical Systems and Signal Processing</i> , 2019, 120, 465-485.   | 4.4 | 9         |
| 28 | Dynamic Performance of an Oil Starved Squeeze Film Damper Combined With a Cylindrical Roller Bearing. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019, 141, 0710091-7100912.  | 0.5 | 7         |
| 29 | Long-Term Automatic Tracking of the Modal Parameters of an Offshore Wind Turbine Drivetrain System in Standstill Condition. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 91-99.                        | 0.3 | 1         |
| 30 | Experimental and Analytical Approaches in a Virtual Shaker Testing Simulation Environment for Numerical Prediction of a Spacecraft Vibration Test. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2019, , 71-81. | 0.3 | 1         |
| 31 | A minimum drives automatic target definition procedure for multi-axis random control testing. <i>Mechanical Systems and Signal Processing</i> , 2018, 107, 452-468.   | 4.4 | 19        |
| 32 | Vibration-based bearing fault detection for operations and maintenance cost reduction in wind energy. <i>Renewable Energy</i> , 2018, 116, 74-87.   | 4.3 | 80        |
| 33 | Efficient Use of the Output Information to Improve Modal Parameter Estimation. <i>Proceedings (mdpi)</i> , 2018, 2, 519.  | 0.2 | 0         |
| 34 | Fatigue Performance of Powder Bed Fused Ti-6Al-4V Component with Integrated Chemically Etched Capillary for Structural Health Monitoring Application. <i>Proceedings (mdpi)</i> , 2018, 2, .  | 0.2 | 6         |
| 35 | Numerical Simulation of Fatigue Crack Growth in Straight Lugs Equipped with Efficient Structural Health Monitoring. <i>Procedia Structural Integrity</i> , 2018, 13, 1708-1713.   | 0.3 | 3         |
| 36 | Experimental Study of the Shaft Penetration Factor on the Torsional Dynamic Response of a Drive Train. <i>Machines</i> , 2018, 6, 31.   | 1.2 | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Long term operational modal analysis for rotating machines. Journal of Physics: Conference Series, 2018, 1037, 052035.  | 0.3 | 4         |
| 38 | A comparison of cepstral editing methods as signal pre-processing techniques for vibration-based bearing fault detection. Mechanical Systems and Signal Processing, 2017, 91, 354-381.                                | 4.4 | 80        |
| 39 | Vibration-based angular speed estimation for multi-stage wind turbine gearboxes. Journal of Physics: Conference Series, 2017, 842, 012053.  | 0.3 | 4         |
| 40 | Optimal Modal Parameter Estimation for Highly Challenging Industrial Cases. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 173-187.  | 0.3 | 1         |
| 41 | Improving Modal Parameter Estimation by Complementary Output-Output Relations. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 37-45.   | 0.3 | 0         |
| 42 | Analyses of Target Definition Processes for MIMO Random Vibration Control Tests. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 135-148.   | 0.3 | 7         |
| 43 | Acoustic emission monitoring of crack propagation in additively manufactured and conventional titanium components. Mechanics Research Communications, 2017, 84, 8-13.   | 1.0 | 47        |
| 44 | Evaluation of Procedural Simulation as a Training and Assessment Tool in General Surgery- Simulating a Laparoscopic Appendectomy. Journal of Surgical Education, 2017, 74, 243-250.                                   | 1.2 | 19        |
| 45 | Model-Based Temperature Feedback Control of Laser Cladding Using High-Resolution Hyperspectral Imaging. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2714-2722.  | 3.7 | 15        |
| 46 | Fatigue Performance of Ti-6Al-4V Additively Manufactured Specimens with Integrated Capillaries of an Embedded Structural Health Monitoring System. Materials, 2017, 10, 993.  | 1.3 | 16        |
| 47 | High Resolution Temperature Measurement of Liquid Stainless Steel Using Hyperspectral Imaging. Sensors, 2017, 17, 91.   | 2.1 | 32        |
| 48 | Proof of Concept of Integrated Load Measurement in 3D Printed Structures. Sensors, 2017, 17, 328.   | 2.1 | 6         |
| 49 | Automatic Tracking of the Modal Parameters of an Offshore Wind Turbine Drivetrain System. Energies, 2017, 10, 574.  | 1.6 | 8         |
| 50 | Modal Parameters Estimation of an Offshore Wind Turbine Using Measured Acceleration Signals from the Drive Train. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 41-48.                    | 0.3 | 4         |
| 51 | Evaluation of the diffuse reflectivity behaviour of the melt pool during the laser metal deposition process. , 2016, , .  |     | 1         |
| 52 | Proof of Concept of Crack Localization Using Negative Pressure Waves in Closed Tubes for Later Application in Effective SHM System for Additive Manufactured Components. Applied Sciences (Switzerland), 2016, 6, 33. | 1.3 | 2         |
| 53 | Fatigue of Ti6Al4V Structural Health Monitoring Systems Produced by Selective Laser Melting. Materials, 2016, 9, 106.   | 1.3 | 26        |
| 54 | Hardware-in-the-loop control of additive manufacturing processes using temperature feedback. Journal of Laser Applications, 2016, 28, .   | 0.8 | 31        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Spectroscopic monitoring and melt pool temperature estimation during the laser metal deposition process. <i>Journal of Laser Applications</i> , 2016, 28, .  | 0.8 | 8         |
| 56 | Reconstruction of impacts on a composite plate using fiber Bragg gratings (FBG) and inverse methods. <i>Composite Structures</i> , 2016, 149, 1-10.  | 3.1 | 36        |
| 57 | High Resolution Temperature Estimation During Laser Cladding of Stainless Steel. <i>Physics Procedia</i> , 2016, 83, 1253-1260.  | 1.2 | 10        |
| 58 | Experimental investigation of bearing slip in a wind turbine gearbox during a transient grid loss event. <i>Wind Energy</i> , 2016, 19, 2255-2269.   | 1.9 | 27        |
| 59 | Verification of joint input-state estimation for force identification by means of in situ measurements on a footbridge. <i>Mechanical Systems and Signal Processing</i> , 2016, 75, 245-260.   | 4.4 | 60        |
| 60 | Constrained maximum likelihood modal parameter identification applied to structural dynamics. <i>Mechanical Systems and Signal Processing</i> , 2016, 72-73, 567-589.  | 4.4 | 32        |
| 61 | Identification of dynamic forces using group-sparsity in frequency domain. <i>Mechanical Systems and Signal Processing</i> , 2016, 70-71, 756-768.   | 4.4 | 60        |
| 62 | A modal decomposition and expansion approach for prediction of dynamic responses on a monopile offshore wind turbine using a limited number of vibration sensors. <i>Mechanical Systems and Signal Processing</i> , 2016, 68-69, 84-104. | 4.4 | 78        |
| 63 | Experimental dynamic identification of modeshape driving wind turbine grid loss event on nacelle testrig. <i>Renewable Energy</i> , 2016, 85, 259-272.   | 4.3 | 11        |
| 64 | A Multiphysical Modelling Approach for Virtual Shaker Testing Correlated with Experimental Test Results. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016, , 87-99.  | 0.3 | 4         |
| 65 | Modeling of laser beam and powder flow interaction in laser cladding using ray-tracing. <i>Journal of Laser Applications</i> , 2015, 27, .   | 0.8 | 47        |
| 66 | Evaluation of SHM System Produced by Additive Manufacturing via Acoustic Emission and Other NDT Methods. <i>Sensors</i> , 2015, 15, 26709-26725.   | 2.1 | 31        |
| 67 | Underwater Acoustic Wavefront Visualization by Scanning Laser Doppler Vibrometer for the Characterization of Focused Ultrasonic Transducers. <i>Sensors</i> , 2015, 15, 19925-19936.   | 2.1 | 9         |
| 68 | Modal Identification Using OMA Techniques: Nonlinearity Effect. <i>Shock and Vibration</i> , 2015, 2015, 1-12.   | 0.3 | 1         |
| 69 | Feasibility study on integrated structural health monitoring system produced by metal three-dimensional printing. <i>Structural Health Monitoring</i> , 2015, 14, 622-632.   | 4.3 | 20        |
| 70 | Continuous strain prediction for fatigue assessment of an offshore wind turbine using Kalman filtering techniques. , 2015, , .   |     | 6         |
| 71 | Negative Pressure Waves Analysis for Crack Localization and Crack Size Estimation for 3D Printed SHM System. , 2015, , .   |     | 0         |
| 72 | Decoupling of mechanical systems based on in-situ frequency response functions: The link-preserving, decoupling method. <i>Mechanical Systems and Signal Processing</i> , 2015, 58-59, 340-354.  | 4.4 | 26        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | The dynamics of an offshore wind turbine in parked conditions: a comparison between simulations and measurements. <i>Wind Energy</i> , 2015, 18, 1685-1702.   | 1.9 | 42        |
| 74 | A Fast Maximum Likelihood-Based Estimation of a Modal Model. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2015, , 133-156.   | 0.3 | 10        |
| 75 | Magnetostrictive deformation of a transformer: A comparison between calculation and measurement. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014, 44, 295-299.  | 0.3 | 13        |
| 76 | The isotherm migration method in spherical coordinates with a moving heat source. <i>International Journal of Heat and Mass Transfer</i> , 2014, 75, 726-735.   | 2.5 | 36        |
| 77 | Operational modal parameter estimation of MIMO systems using transmissibility functions. <i>Automatica</i> , 2014, 50, 559-564.   | 3.0 | 65        |
| 78 | Structural health monitoring of offshore wind turbines using automated operational modal analysis. <i>Structural Health Monitoring</i> , 2014, 13, 644-659.   | 4.3 | 111       |
| 79 | Design of a Model-based Controller with Temperature Feedback for Laser Cladding. <i>Physics Procedia</i> , 2014, 56, 211-219.   | 1.2 | 19        |
| 80 | Fast maximum-likelihood identification of modal parameters with uncertainty intervals: A modal model formulation with enhanced residual term. <i>Mechanical Systems and Signal Processing</i> , 2014, 48, 49-66.                      | 4.4 | 20        |
| 81 | Dealing with periodical loads and harmonics in operational modal analysis using time-varying transmissibility functions. <i>Mechanical Systems and Signal Processing</i> , 2014, 49, 154-164.   | 4.4 | 30        |
| 82 | Evaluating Different Automated Operational Modal Analysis Techniques for the Continuous Monitoring of Offshore Wind Turbines. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2014, , 313-329.              | 0.3 | 4         |
| 83 | Continuous strain prediction for fatigue assessment of an offshore wind turbine using a joint input-state estimation algorithm and a modal interpolation algorithm. <i>Life-cycle of Civil Engineering Systems</i> , 2014, , 146-152. | 0.1 | 0         |
| 84 | Relative scaling of mode shapes using transmissibility functions. <i>Mechanical Systems and Signal Processing</i> , 2013, 40, 269-277.  | 4.4 | 7         |
| 85 | Combining multiple single-reference transmissibility functions in a unique matrix formulation for operational modal analysis. <i>Mechanical Systems and Signal Processing</i> , 2013, 40, 278-287.                                    | 4.4 | 34        |
| 86 | Modal parameter estimation by combining stochastic and deterministic frequency-domain approaches. <i>Mechanical Systems and Signal Processing</i> , 2013, 35, 52-68.  | 4.4 | 33        |
| 87 | System identification of the kinematics of an oscillating cylinder using wake velocities. <i>Journal of Fluids and Structures</i> , 2013, 41, 57-63.  | 1.5 | 3         |
| 88 | Experimental and computational damping estimation of an offshore wind turbine on a monopile foundation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013, 120, 96-106.   | 1.7 | 127       |
| 89 | Fast maximum-likelihood identification of modal parameters with uncertainty intervals: A modal model-based formulation. <i>Mechanical Systems and Signal Processing</i> , 2013, 37, 422-439.  | 4.4 | 35        |
| 90 | Damping estimation of an offshore wind turbine on a monopile foundation. <i>IET Renewable Power Generation</i> , 2013, 7, 401-412.  | 1.7 | 49        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Material properties identification using ultrasonic waves and laser Doppler vibrometer measurements: a multi-input multi-output approach. <i>Measurement Science and Technology</i> , 2013, 24, 105206.                | 1.4 | 5         |
| 92  | Long-Term Dynamic Monitoring of an Offshore Wind Turbine. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2013, , 253-267.   | 0.3 | 6         |
| 93  | Operational Modal Analysis Based on Multivariable Transmissibility Functions: Revisited. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2013, , 317-326.                                    | 0.3 | 2         |
| 94  | Determining the Power Flow in a Rectangular Plate Using a Generalized Two-Step Regressive Discrete Fourier Series. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2012, 134, .                  | 1.0 | 1         |
| 95  | Consistent multi-input modal parameter estimators in the frequency domain. <i>Mechanical Systems and Signal Processing</i> , 2012, 31, 130-142.  | 4.4 | 5         |
| 96  | Acoustic source identification using a Generalized Weighted Inverse Beamforming technique. <i>Mechanical Systems and Signal Processing</i> , 2012, 32, 349-358.  | 4.4 | 11        |
| 97  | Transmissibility-Based Operational Modal Analysis for Flight Flutter Testing Using Exogenous Inputs. <i>Shock and Vibration</i> , 2012, 19, 1071-1083.   | 0.3 | 9         |
| 98  | Transmissibility-Based Operational Modal Analysis: Enhanced Stabilisation Diagrams. <i>Shock and Vibration</i> , 2012, 19, 1085-1097.  | 0.3 | 9         |
| 99  | Implementation of the Scanning Laser Doppler Vibrometer Combined with a Light-Weight Pneumatic Artificial Muscle Actuator for the Modal Analysis of a Civil Structure. <i>Shock and Vibration</i> , 2012, 19, 421-431. | 0.3 | 1         |
| 100 | Turning point based fatigue testing: Combining multisines with turning point replication. <i>Mechanical Systems and Signal Processing</i> , 2012, 30, 23-31.   | 4.4 | 4         |
| 101 | Frequency-domain modal analysis in the OMAX framework. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2011, , 465-476.  | 0.3 | 0         |
| 102 | Optical measurement of the dynamic strain field of a fan blade using a 3D scanning vibrometer. <i>Optics and Lasers in Engineering</i> , 2011, 49, 988-997.  | 2.0 | 35        |
| 103 | Reliability-based design optimization of computation-intensive models making use of response surface models. <i>Quality and Reliability Engineering International</i> , 2011, 27, 555-568.                             | 1.4 | 20        |
| 104 | Direct calculation of modal parameters from matrix orthogonal polynomials. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 2375-2387.  | 4.4 | 4         |
| 105 | A method for crack sizing using Laser Doppler Vibrometer measurements of Surface Acoustic Waves. <i>Ultrasonics</i> , 2010, 50, 76-80.   | 2.1 | 26        |
| 106 | An operational modal analysis approach based on parametrically identified multivariable transmissibilities. <i>Mechanical Systems and Signal Processing</i> , 2010, 24, 1250-1259.                                     | 4.4 | 55        |
| 107 | Continuous-time operational modal analysis in the presence of harmonic disturbances—the multivariate case. <i>Mechanical Systems and Signal Processing</i> , 2010, 24, 90-105.   | 4.4 | 13        |
| 108 | From operating deflection shapes towards mode shapes using transmissibility measurements. <i>Mechanical Systems and Signal Processing</i> , 2010, 24, 665-677.   | 4.4 | 44        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Microphone positioning optimization for conditioning inverse tonal fan noise. Mechanical Systems and Signal Processing, 2010, 24, 1682-1692.   | 4.4 | 5         |
| 110 | Operational transfer path analysis. Mechanical Systems and Signal Processing, 2010, 24, 416-431.   | 4.4 | 63        |
| 111 | Identification of material properties from full field measurements of a sound field interacting with a solid. EPJ Web of Conferences, 2010, 6, 37004.  | 0.1 | 0         |
| 112 | Structural Health Monitoring in Changing Operational Conditions Using Transmissibility Measurements. Shock and Vibration, 2010, 17, 651-675.   | 0.3 | 19        |
| 113 | Ultrasonic characterization of materials by means of under water Laser Doppler Vibrometer measurements of continuous waves. , 2010, , .  |     | 0         |
| 114 | Fluid flow measurements using a scanning laser Doppler vibrometer. , 2010, , .   |     | 0         |
| 115 | Aeroacoustic Source Identification Using a Weighted Pseudo Inverse Method. , 2010, , .   |     | 1         |
| 116 | Simultaneous determination of acoustic velocity and density of a cortical bone slab: ultrasonic model-based approach - correspondence. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 496-500. | 1.7 | 9         |
| 117 | A Study on the Bandwidth Characteristics of Pleated Pneumatic Artificial Muscles. Applied Bionics and Biomechanics, 2009, 6, 3-9.  | 0.5 | 3         |
| 118 | International comparison of orthotic brace prices. European Journal of Health Economics, 2009, 10, 149-155.  | 1.4 | 2         |
| 119 | A digital image correlation method for fatigue test experiments. Optics and Lasers in Engineering, 2009, 47, 371-378.  | 2.0 | 79        |
| 120 | Development of an adaptive response surface method for optimization of computation-intensive models. Computers and Industrial Engineering, 2009, 57, 847-855.  | 3.4 | 30        |
| 121 | Development of a regressive finite element model optimization technique making use of transmissibilities. Structural and Multidisciplinary Optimization, 2009, 39, 47-62.  | 1.7 | 4         |
| 122 | Robust optimization of an airplane component taking into account the uncertainty of the design parameters. Quality and Reliability Engineering International, 2009, 25, 255-282.   | 1.4 | 13        |
| 123 | Fast variance calculation of polyreference least-squares frequency-domain estimates. Mechanical Systems and Signal Processing, 2009, 23, 1423-1433.  | 4.4 | 16        |
| 124 | Processing optical measurements using a regressive Fourier series: A review. Optics and Lasers in Engineering, 2009, 47, 461-472.  | 2.0 | 4         |
| 125 | Fast calculation of confidence intervals on parameter estimates of least-squares frequency-domain estimators. Mechanical Systems and Signal Processing, 2009, 23, 261-273.   | 4.4 | 34        |
| 126 | Operational modal analysis in the presence of harmonic excitations by the use of transmissibility measurements. Mechanical Systems and Signal Processing, 2009, 23, 621-635.   | 4.4 | 92        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Accurate estimation of normal incidence absorption coefficients with confidence intervals using a scanning laser Doppler vibrometer. Optics and Lasers in Engineering, 2009, 47, 644-650. | 2.0 | 10        |
| 128 | Improved active non-destructive inspection using periodic binary heating sequences. , 2009, , .   |     | 0         |
| 129 | A study on the bandwidth characteristics of pleated pneumatic artificial muscles. Applied Bionics and Biomechanics, 2009, 6, 3-9.   | 0.5 | 5         |
| 130 | On-line damage detection on a wing panel using transmission of multisine ultrasonic waves. NDT and E International, 2008, 41, 312-317.  | 1.7 | 22        |
| 131 | Reducing spatial data using an optimized regressive discrete Fourier series. Journal of Sound and Vibration, 2008, 309, 858-867.  | 2.1 | 5         |
| 132 | Identification of modal parameters from transmissibility measurements. Journal of Sound and Vibration, 2008, 314, 343-356.  | 2.1 | 151       |
| 133 | Bias-specified robust design optimization: A generalized mean squared error approach. Computers and Industrial Engineering, 2008, 54, 259-268.  | 3.4 | 18        |
| 134 | Tomographic reconstruction using a generalized regressive discrete Fourier series. Mechanical Systems and Signal Processing, 2008, 22, 1237-1247.   | 4.4 | 3         |
| 135 | Continuous-time operational modal analysis in the presence of harmonic disturbances. Mechanical Systems and Signal Processing, 2008, 22, 1017-1035.                                       | 4.4 | 43        |
| 136 | How to Achieve a Rapid Deployment of Mobile Substations and to Guarantee Its Integrity During Transport. IEEE Transactions on Power Delivery, 2008, 23, 196-202.                          | 2.9 | 3         |
| 137 | Reforming the Belgian market for orthotic braces: What can we learn from the international experience?. Health Policy, 2008, 86, 195-203.   | 1.4 | 4         |
| 138 | PHP27 ESTIMATION AND COMPARISON OF ORTHOTIC BRACE COSTS WITH REIMBURSEMENT TARIFFS AND RETAIL PRICES IN BELGIUM. Value in Health, 2008, 11, A36-A37.                                      | 0.1 | 0         |
| 139 | Continuous-Time Operational Modal Analysis in the Presence of Harmonic Disturbances. , 2008, , .  |     | 0         |
| 140 | Operational Acoustic Modal Analysis: Sensitivity-Based Mode Shape Normalisation. Acta Acustica United With Acustica, 2008, 94, 580-587.   | 0.8 | 2         |
| 141 | Identification of fully parameterized modal models using scanning laser Doppler vibrometer measurements. Proceedings of SPIE, 2008, , .   | 0.8 | 0         |
| 142 | Spatial data reduction for laser vibrometry using advanced regressive Fourier series. Proceedings of SPIE, 2008, , .  | 0.8 | 0         |
| 143 | Underwater visualization of multi-input interleaved multisine wavefronts for ultrasonic testing of bone specimens using laser Doppler vibrometry. Proceedings of SPIE, 2008, , .          | 0.8 | 4         |
| 144 | 8D-5 Tracking of Cracks in Fatigue Experiments Using Nonlinear Propagation of Multi-Sine Surface Acoustic Waves. , 2007, , .  |     | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Stable Approximations of Unstable Models. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .  | 0.0 | 2         |
| 146 | Operational Modal Analysis for Estimating the Dynamic Properties of a Stadium Structure during a Football Game. Shock and Vibration, 2007, 14, 283-303.                            | 0.3 | 106       |
| 147 | Improved Fourier analysis using parametric frequency-domain transfer-function estimators. Mechanical Systems and Signal Processing, 2007, 21, 1704-1716.                           | 4.4 | 6         |
| 148 | Uncertainty calculation in (operational) modal analysis. Mechanical Systems and Signal Processing, 2007, 21, 2359-2373.  | 4.4 | 137       |
| 149 | The use of transmissibility measurements in output-only modal analysis. Mechanical Systems and Signal Processing, 2007, 21, 2689-2696.   | 4.4 | 127       |
| 150 | Boxâ€“Jenkins identification revisitedâ€”Part III. Automatica, 2007, 43, 868-875.  | 3.0 | 30        |
| 151 | Structural dynamics of a mobile substation during transport. Engineering Structures, 2007, 29, 3377-3389.  | 2.6 | 3         |
| 152 | Experimental modal testing using pressurized air excitation. Journal of Sound and Vibration, 2007, 299, 83-98.   | 2.1 | 22        |
| 153 | On the use of transmissibility measurements for finite element model updating. Journal of Sound and Vibration, 2007, 303, 707-722.   | 2.1 | 43        |
| 154 | Reducing measurement time for a laser Doppler vibrometer using regressive techniques. Optics and Lasers in Engineering, 2007, 45, 49-56.   | 2.0 | 6         |
| 155 | Flow characterization using a laser Doppler vibrometer. Optics and Lasers in Engineering, 2007, 45, 19-26.   | 2.0 | 9         |
| 156 | Continuous-Time Noise Modelling from Sampled Data. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .                                       | 0.0 | 1         |
| 157 | Trajectory Planning for the Walking Biped â€œLucyâ€ International Journal of Robotics Research, 2006, 25, 867-887.   | 5.8 | 23        |
| 158 | IMPROVED POLY-REFERENCE FREQUENCY-DOMAIN MODAL ESTIMATORS FOR FLUTTER ANALYSIS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 630-635.    | 0.4 | 2         |
| 159 | Reducing measurement time for a laser Doppler vibrometer using a spatial regressive technique. , 2006, , .   |     | 0         |
| 160 | MULTIVARIABLE FREQUENCY-DOMAIN SYSTEM IDENTIFICATION ALGORITHMS FOR MODAL ANALYSIS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 94-109. | 0.4 | 2         |
| 161 | MULTIVARIABLE FREQUENCY DOMAIN BOX-JENKINS IDENTIFICATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 208-213.                         | 0.4 | 1         |
| 162 | Laser vibrometer measurements of SAWs for nondestructive testing. , 2006, , .  |     | 3         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 163 | Reduction of large frequency response function data sets using a robust singular value decomposition. Computers and Structures, 2006, 84, 808-822.                                 | 2.4 | 9         |
| 164 | Frequency-domain subspace identification using FRF data from arbitrary signals. Journal of Sound and Vibration, 2006, 290, 555-571.  | 2.1 | 17        |
| 165 | Measurements of the dynamic railpad properties. Journal of Sound and Vibration, 2006, 293, 557-565.  | 2.1 | 68        |
| 166 | Assessment of nonlinear distortions in modal testing and analysis of vibrating automotive structures. Journal of Sound and Vibration, 2006, 293, 299-319.                          | 2.1 | 12        |
| 167 | Finite element model updating taking into account the uncertainty on the modal parameters estimates. Journal of Sound and Vibration, 2006, 296, 919-934.                           | 2.1 | 60        |
| 168 | Data reduction using a generalized regressive discrete Fourier series. Journal of Sound and Vibration, 2006, 298, 1-11.  | 2.1 | 9         |
| 169 | Optimized Excitation Signals for MIMO Frequency Response Function Measurements. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 2072-2079.                         | 2.4 | 39        |
| 170 | Continuous-Time Noise Modeling From Sampled Data. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 2253-2258.   | 2.4 | 28        |
| 171 | Characterization of acoustic materials using the scanning laser Doppler vibrometer. , 2006, 6345, 389.   |     | 2         |
| 172 | “Organised irresponsibility”: Contradictions in the Australian government's strategy for GM regulation. Environmental Politics, 2006, 15, 399-416.                                 | 3.4 | 11        |
| 173 | Absorption measurement of acoustic materials using a scanning laser Doppler vibrometer. Journal of the Acoustical Society of America, 2005, 117, 1168-1172.                        | 0.5 | 15        |
| 174 | Multivariable frequency response curve fitting with application to modal parameter estimation. Automatica, 2005, 41, 1773-1782.  | 3.0 | 17        |
| 175 | A comparison of frequency-domain transfer function model estimator formulations for structural dynamics modelling. Journal of Sound and Vibration, 2005, 279, 775-798.             | 2.1 | 9         |
| 176 | A robust singular value decomposition for damage detection under changing operating conditions and structural uncertainties. Journal of Sound and Vibration, 2005, 284, 1033-1050. | 2.1 | 79        |
| 177 | On-line identification of operational loads using exogenous inputs. Journal of Sound and Vibration, 2005, 285, 267-279.  | 2.1 | 14        |
| 178 | Fourier fringe processing using a regressive Fourier-transform technique. Optics and Lasers in Engineering, 2005, 43, 645-658.   | 2.0 | 20        |
| 179 | Improved total least squares estimators for modal analysis. Computers and Structures, 2005, 83, 2077-2085.   | 2.4 | 13        |
| 180 | Sensitivity-based operational mode shape normalisation: Application to a bridge. Mechanical Systems and Signal Processing, 2005, 19, 43-55.  | 4.4 | 65        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 181 | On the influence of the parameter constraint on the stability of the poles and the discrimination capabilities of the stabilisation diagrams. <i>Mechanical Systems and Signal Processing</i> , 2005, 19, 989-1014. | 4.4 | 36        |
| 182 | Improved modal parameter estimation for lowly damped systems using non-parametric exponential windowing techniques. <i>Mechanical Systems and Signal Processing</i> , 2005, 19, 675-699.                            | 4.4 | 12        |
| 183 | Tracking of Cracks in Airplane Components Using Nonlinear Surface Wave Propagation Techniques. <i>Key Engineering Materials</i> , 2005, 293-294, 549-556.   | 0.4 | 1         |
| 184 | The PolyMAX Frequency-Domain Method: A New Standard for Modal Parameter Estimation?. <i>Shock and Vibration</i> , 2004, 11, 395-409.  | 0.3 | 587       |
| 185 | User-assisting tools for a fast frequency-domain modal parameter estimation method. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 759-780.  | 4.4 | 28        |
| 186 | An on-line combined linear/nonlinear fatigue crack detection technique. <i>NDT and E International</i> , 2004, 37, 41-45.   | 1.7 | 10        |
| 187 | Increased reliability of reference-based damage identification techniques by using output-only data. <i>Journal of Sound and Vibration</i> , 2004, 270, 813-832.  | 2.1 | 27        |
| 188 | Multisine load cycle design for fatigue testing. <i>International Journal of Fatigue</i> , 2004, 26, 95-102.  | 2.8 | 2         |
| 189 | An automatic scanning algorithm for high spatial resolution laser vibrometer measurements. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 79-88.   | 4.4 | 4         |
| 190 | The use of multisine excitations to characterise damage in structures. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 43-57.   | 4.4 | 14        |
| 191 | Identification of Young's modulus from broadband modal analysis experiments. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 699-726.   | 4.4 | 34        |
| 192 | Modal parameter estimation and monitoring for on-line flight flutter analysis. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 587-610.   | 4.4 | 28        |
| 193 | Automatic vibration mode tracking using a scanning laser Doppler vibrometer. <i>Optics and Lasers in Engineering</i> , 2004, 42, 315-326.   | 2.0 | 4         |
| 194 | Instantaneous impedance measurements on aluminium using a Schroeder multisine excitation signal. <i>Electrochimica Acta</i> , 2004, 49, 2919-2925.  | 2.6 | 35        |
| 195 | Frequency response function-based parameter identification from short data sequences. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 1097-1116.  | 4.4 | 5         |
| 196 | Robust data reduction of high spatial resolution optical vibration measurements. <i>Journal of Sound and Vibration</i> , 2004, 274, 369-384.  | 2.1 | 5         |
| 197 | Modal parameter estimation from input/output Fourier data using frequency-domain maximum likelihood identification. <i>Journal of Sound and Vibration</i> , 2004, 276, 957-979.                                     | 2.1 | 20        |
| 198 | Frequency-domain generalized total least-squares identification for modal analysis. <i>Journal of Sound and Vibration</i> , 2004, 278, 21-38.   | 2.1 | 53        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 199 | Fourier fringe processing by use of an interpolated Fourier-transform technique. Applied Optics, 2004, 43, 5206.  | 2.1 | 16        |
| 200 | Data reduction using a regressive discrete Fourier-transform technique. , 2004, , .   |     | 0         |
| 201 | On the use of a laser Doppler vibrometer for quality control of picture tubes. , 2004, , .  |     | 3         |
| 202 | Combined Deterministic-Stochastic Frequency-Domain Subspace Identification for Experimental and Operational Modal Analysis. , 2004, , .   |     | 71        |
| 203 | Robust Processing of Mechanical Vibration Measurements. , 2004, , 377-385.  |     | 0         |
| 204 | DAMAGE ASSESSMENT USING MODE SHAPE SENSITIVITIES. Mechanical Systems and Signal Processing, 2003, 17, 499-518.  | 4.4 | 80        |
| 205 | Force identification by means of in-operation modal models. Journal of Sound and Vibration, 2003, 262, 161-173.   | 2.1 | 67        |
| 206 | An automatic frequency domain modal parameter estimation algorithm. Journal of Sound and Vibration, 2003, 265, 647-661.   | 2.1 | 59        |
| 207 | Identification of modal parameters including unmeasured forces and transient effects. Journal of Sound and Vibration, 2003, 265, 609-625.   | 2.1 | 35        |
| 208 | Combined damage detection techniques. Journal of Sound and Vibration, 2003, 266, 815-831.   | 2.1 | 13        |
| 209 | On-line detection of fatigue cracks using an automatic mode tracking technique. Journal of Sound and Vibration, 2003, 266, 805-814.   | 2.1 | 14        |
| 210 | Maximum likelihood identification of non-stationary operational data. Journal of Sound and Vibration, 2003, 268, 971-991.   | 2.1 | 35        |
| 211 | Modelling of Sprayer Boom Dynamics by Means of Maximum Likelihood Identification Techniques, Part 1: A Comparison of Input-output and Output-only Modal Testing. Biosystems Engineering, 2003, 85, 163-171. | 1.9 | 16        |
| 212 | Modelling of Sprayer Boom Dynamics by Means of Maximum Likelihood Identification Techniques, Part 2: Sensitivity-based Mode Shape Normalisation. Biosystems Engineering, 2003, 85, 291-298.                 | 1.9 | 14        |
| 213 | On-line monitoring of fatigue cracks using ultrasonic surface waves. NDT and E International, 2003, 36, 601-607.  | 1.7 | 34        |
| 214 | Online Vibration-Based Crack Detection during Fatigue Testing. Key Engineering Materials, 2003, 245-246, 571-578.   | 0.4 | 8         |
| 215 | An Automatic Damage Detection Methodology for Structural Health Monitoring during Fatigue Tests. Key Engineering Materials, 2003, 245-246, 27-34.   | 0.4 | 2         |
| 216 | Elimination of background disturbances from measurement spectra. Measurement Science and Technology, 2003, 14, 155-163.   | 1.4 | 2         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 217 | An automatic position calibration method for the scanning laser Doppler vibrometer. Measurement Science and Technology, 2003, 14, 1469-1476.                                       | 1.4 | 11        |
| 218 | Development of an autonomous scanning laser Doppler vibrometer vibration tracking method for inline quality control. , 2003, 5144, 737.  |     | 0         |
| 219 | Modal Survey Testing and Vibration Qualification Testing: The Integrated Approach. Journal of the IEST, 2003, 46, 110-118.   | 0.2 | 1         |
| 220 | On-line robust processing techniques for elimination of measurement drop-out. Measurement Science and Technology, 2002, 13, 1183-1190.   | 1.4 | 3         |
| 221 | Broadband vibration measurements using a continuously scanning laser vibrometer. Measurement Science and Technology, 2002, 13, 1574-1582.  | 1.4 | 25        |
| 222 | Linear and Nonlinear Damage Detection Using a Scanning Laser Vibrometer. Shock and Vibration, 2002, 9, 43-56.  | 0.3 | 4         |
| 223 | AUTONOMOUS STRUCTURAL HEALTH MONITORINGâ€™PART I: MODAL PARAMETER ESTIMATION AND TRACKING. Mechanical Systems and Signal Processing, 2002, 16, 637-657.                            | 4.4 | 116       |
| 224 | AUTONOMOUS STRUCTURAL HEALTH MONITORINGâ€™PART II: VIBRATION-BASED IN-OPERATION DAMAGE ASSESSMENT. Mechanical Systems and Signal Processing, 2002, 16, 659-675.                    | 4.4 | 31        |
| 225 | SENSITIVITY-BASED OPERATIONAL MODE SHAPE NORMALISATION. Mechanical Systems and Signal Processing, 2002, 16, 757-767.   | 4.4 | 144       |
| 226 | Frequency-Domain TLS and GTLS Algorithms for Modal Analysis Applications. , 2002, , 305-318.   |     | 2         |
| 227 | IDENTIFICATION OF ROTOR-BEARING SYSTEMS IN THE FREQUENCY DOMAIN PART I: ESTIMATION OF FREQUENCY RESPONSE FUNCTIONS. Mechanical Systems and Signal Processing, 2001, 15, 759-773.   | 4.4 | 12        |
| 228 | Application of a Fast-Stabilizing Frequency Domain Parameter Estimation Method. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2001, 123, 651-658. | 0.9 | 115       |
| 229 | Multivariable Modelling of Gas Turbine Dynamics. , 2001, , .   |     | 8         |
| 230 | <title>Linear and nonlinear damage detection using a scanning laser vibrometer</title>. , 2000, , .  |     | 6         |
| 231 | Determination of synchronous machine parameters using network synthesis techniques. IEEE Transactions on Energy Conversion, 1999, 14, 310-314.                                     | 3.7 | 16        |
| 232 | Temperature increases during surface decontamination of titanium implants using CO2 laser. Clinical Oral Implants Research, 1999, 10, 54-61.                                       | 1.9 | 45        |
| 233 | Frequency-domain identification of linear systems using arbitrary excitations and a nonparametric noise model. IEEE Transactions on Automatic Control, 1999, 44, 343-347.          | 3.6 | 13        |
| 234 | Frequency response measurements of multivariable systems using nonlinear averaging techniques. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 796-800.            | 2.4 | 17        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 235 | A weighted total least squares estimator for multivariable systems with nearly maximum likelihood properties. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 818-822.  | 2.4 | 7         |
| 236 | Analyses, Development, and Applications of TLS Algorithms in Frequency Domain System Identification. SIAM Journal on Matrix Analysis and Applications, 1998, 19, 983-1004.  | 0.7 | 38        |
| 237 | Induction motor dynamic and static inductance identification using a broadband excitation technique. IEEE Transactions on Energy Conversion, 1998, 13, 15-20.   | 3.7 | 25        |
| 238 | <title>Development of a data-reduction procedure with noise extraction for high-spatial-resolution optical measurements</title>. , 1998, 3411, 357.   |     | 6         |
| 239 | <title>Heat generation on root surfaces after KTP:NdYAG use in endodontic treatment</title>. , 1997, 2973, 138.   |     | 0         |
| 240 | <title>Temperature rise after KTP:NdYAG laser irradiation as a root-planing complement</title>. , 1997, , .   |     | 0         |
| 241 | <title>Pulp-temperature increases after selective ablation of caries by KTP:NdYAG laser</title>. , 1997, , .  |     | 0         |
| 242 | Frequency-domain system identification using non-parametric noise models estimated from a small number of data sets. Automatica, 1997, 33, 1073-1086.   | 3.0 | 150       |
| 243 | A Gauss-Newton-like optimization algorithm for "weighted" nonlinear least-squares problems. IEEE Transactions on Signal Processing, 1996, 44, 2222-2228.  | 3.2 | 36        |
| 244 | Identification of the induction motor dynamic and static inductance with regard to saturation. , 1996, , .  |     | 2         |
| 245 | Design of narrowband, high-resolution multisines. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 750-753.  | 2.4 | 14        |
| 246 | Accurate and fast estimation of the Fourier coefficients of periodic signals disturbed by trends. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 5-11.   | 2.4 | 4         |
| 247 | Measurement of noise (cross-) power spectra for frequency-domain system identification purposes: large-sample results. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 12-21.                                   | 2.4 | 14        |
| 248 | Statistical analysis of nonparametric transfer function estimates. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 594-600.   | 2.4 | 38        |
| 249 | A global system identification approach for the accurate parametric modeling of ultrasonic reflection and transmission experiments. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1996, 43, 628-639. | 1.7 | 9         |
| 250 | Generating piecewise-constant excitations with an arbitrary power spectrum. IET Control Theory and Applications, 1995, 142, 241-246.  | 1.7 | 2         |
| 251 | Robust parametric transfer function estimation using complex logarithmic frequency response data. IEEE Transactions on Automatic Control, 1995, 40, 1180-1190.  | 3.6 | 53        |
| 252 | Identification of synchronous machines parameters using broadband excitations. IEEE Transactions on Energy Conversion, 1994, 9, 270-280.  | 3.7 | 14        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 253 | Parametric identification of transfer functions in the frequency domain-a survey. IEEE Transactions on Automatic Control, 1994, 39, 2245-2260.   | 3.6 | 435       |
| 254 | MIMO identification of parametric models for ultrasonic reflection and transmission experiments. , 1993, , .   |     | 2         |
| 255 | Parametric identification of two-port models in the frequency domain. IEEE Transactions on Instrumentation and Measurement, 1992, 41, 233-239.   | 2.4 | 23        |
| 256 | Nonparametric frequency response function estimators based on nonlinear averaging techniques. IEEE Transactions on Instrumentation and Measurement, 1992, 41, 739-746.   | 2.4 | 54        |
| 257 | Identification of linear systems captured in a feedback loop. IEEE Transactions on Instrumentation and Measurement, 1992, 41, 747-754.   | 2.4 | 29        |
| 258 | Crest-factor minimization using nonlinear Chebyshev approximation methods. IEEE Transactions on Instrumentation and Measurement, 1991, 40, 982-989.  | 2.4 | 203       |
| 259 | On the use of signals with a constant signal-to-noise ratio in the frequency domain. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 835-842.  | 2.4 | 11        |
| 260 | Description of a parametric maximum likelihood estimator in the frequency domain for multi-input, multi-output systems and its application to flight flutter analysis. Mechanical Systems and Signal Processing, 1990, 4, 405-416. | 4.4 | 19        |
| 261 | Sensitivity of roots to errors in the coefficient of polynomials obtained by frequency-domain estimation methods. IEEE Transactions on Instrumentation and Measurement, 1989, 38, 1050-1056.                                       | 2.4 | 29        |
| 262 | Parametric frequency domain modeling in modal analysis. Mechanical Systems and Signal Processing, 1989, 3, 389-403.  | 4.4 | 13        |
| 263 | The restricted problem: An extension of Breakwell-Perko's matching theory. Celestial Mechanics, 1975, 11, 449-467.   | 0.1 | 12        |
| 264 | On the use of signals with a constant signal-to-noise ratio in the frequency-domain. , 0, , .  |     | 0         |
| 265 | Parametric identification of two-port models in the frequency domain. , 0, , .   |     | 2         |
| 266 | Identification of linear systems captured in a feedback loop. , 0, , .   |     | 13        |
| 267 | Nonparametric frequency response function estimators based on nonlinear averaging techniques. , 0, , .   |     | 4         |
| 268 | Parametric identification of transfer functions in the frequency domain: a survey. , 0, , .  |     | 10        |
| 269 | On the design of optimal test signals in the case of time limited excitations. , 0, , .  |     | 0         |
| 270 | Statistical analysis of nonparametric transfer function estimates. , 0, , .  |     | 0         |

| #   | ARTICLE   | IF | CITATIONS |
|-----|---|----|-----------|
| 271 | Parametric modelling of the permittivity of dielectric materials. , 0, , .  |    | 2         |
| 272 | Frequency response measurements of multivariable systems using nonlinear averaging techniques. , 0, , .   |    | 3         |
| 273 | A weighted total least squares estimator for multivariable systems with nearly maximum likelihood properties. , 0, , .                          |    | 0         |
| 274 | Determination of synchronous machine parameters using network synthesis techniques. , 0, , .  |    | 0         |
| 275 | Frequency domain identification of linear systems using arbitrary excitations and a nonparametric noise model. , 0, , .                         |    | 1         |
| 276 | Mobile Substations: Application, Engineering and Structural Dynamics. , 0, , .  |    | 2         |
| 277 | Acoustic Emission Monitoring of Crack Propagation in Titanium Samples. , 0, , .   |    | 2         |
| 278 | Evaluation of Different Topologies of Integrated Capillaries in Effective Structural Health Monitoring System Produced by 3D Printing. , 0, , . |    | 1         |
| 279 | Microphone Positioning Optimization for Conditioning of Inverse Tonal Aeroacoustic Problems. , 0, , .   |    | 0         |