

C Ibarra-Castanedo

List of Publications by Year in descending order

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187
papers

4,472
citations

117625

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155660

55
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191
all docs

191
docs citations

191
times ranked

1992
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | On the use of pulsed thermography signal reconstruction based on linear support vector regression for carbon fiber reinforced polymer inspection. Quantitative InfraRed Thermography Journal, 2023, 20, 39-61. | 4.2 | 5 |
| 2 | Application of blind image quality assessment metrics to pulsed thermography. Quantitative InfraRed Thermography Journal, 2023, 20, 256-276. | 4.2 | 4 |
| 3 | Latent Low Rank Representation Applied to Pulsed Thermography Data For Carbon Fibre Reinforced Polymer Inspection. Quantitative InfraRed Thermography Journal, 2023, 20, 143-156. | 4.2 | 2 |
| 4 | Development of a thermal excitation source used in an active thermographic UAV platform. Quantitative InfraRed Thermography Journal, 2023, 20, 198-229. | 4.2 | 13 |
| 5 | Influence of different design parameters on a coplanar capacitive sensor performance. NDT and E International, 2022, 126, 102588. | 3.7 | 12 |
| 6 | Automated Defect Detection in Non-planar Objects Using Deep Learning Algorithms. Journal of Nondestructive Evaluation, 2022, 41, 1. | 2.4 | 11 |
| 7 | Multi-Electrode Coplanar Capacitive Probe With Various Arrangements for Non-Destructive Testing of Materials. IEEE Sensors Journal, 2022, 22, 8134-8146. | 4.7 | 5 |
| 8 | Autonomous dynamic line-scan continuous-wave terahertz non-destructive inspection system combined with unsupervised exposure fusion. NDT and E International, 2022, 132, 102705. | 3.7 | 7 |
| 9 | Measuring Heterogeneous Thermal Patterns in Infrared-Based Diagnostic Systems Using Sparse Low-Rank Matrix Approximation: Comparative Study. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9. | 4.7 | 13 |
| 10 | Introduction of Deep Learning in Thermographic Monitoring of Cultural Heritage and Improvement by Automatic Thermogram Pre-Processing Algorithms. Sensors, 2021, 21, 750. | 3.8 | 20 |
| 11 | Automatic Defects Segmentation and Identification by Deep Learning Algorithm with Pulsed Thermography: Synthetic and Experimental Data. Big Data and Cognitive Computing, 2021, 5, 9. | 4.7 | 25 |
| 12 | Evaluation and Selection of Video Stabilization Techniques for UAV-Based Active Infrared Thermography Application. Sensors, 2021, 21, 1604. | 3.8 | 6 |
| 13 | Numerical Simulation and Experimental Study of Capacitive Imaging Technique as a Nondestructive Testing Method. Applied Sciences (Switzerland), 2021, 11, 3804. | 2.5 | 4 |
| 14 | SPAER: Sparse Deep Convolutional Autoencoder Model to Extract Low Dimensional Imaging Biomarkers for Early Detection of Breast Cancer Using Dynamic Thermography. Applied Sciences (Switzerland), 2021, 11, 3248. | 2.5 | 7 |
| 15 | Robust Principal Component Thermography for Defect Detection in Composites. Sensors, 2021, 21, 2682. | 3.8 | 5 |
| 16 | Multiscale Analysis of Solar Loading Thermographic Signals for Wall Structure Inspection. Sensors, 2021, 21, 2806. | 3.8 | 2 |
| 17 | Independent Component Analysis Applied on Pulsed Thermographic Data for Carbon Fiber Reinforced Plastic Inspection: A Comparative Study. Applied Sciences (Switzerland), 2021, 11, 4377. | 2.5 | 18 |
| 18 | Unsupervised Identification of Targeted Spectra Applying Rank1-NMF and FCC Algorithms in Long-Wave Hyperspectral Infrared Imagery. Remote Sensing, 2021, 13, 2125. | 4.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Evaluating quality of marquetries by applying active IR thermography and advanced signal processing. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3835-3848. | 3.6 | 15 |
| 20 | Drone-Based Non-Destructive Inspection of Industrial Sites: A Review and Case Studies. <i>Drones</i> , 2021, 5, 106. | 4.9 | 38 |
| 21 | Data Enhancement via Low-Rank Matrix Reconstruction in Pulsed Thermography for Carbon-Fibre-Reinforced Polymers. <i>Sensors</i> , 2021, 21, 7185. | 3.8 | 1 |
| 22 | Coplanar Capacitive Sensing as a New Electromagnetic Technique for Non-Destructive Evaluation. , 2021, , . | | 2 |
| 23 | Enhanced Infrared Sparse Pattern Extraction and Usage for Impact Evaluation of Basalt-Carbon Hybrid Composites by Pulsed Thermography. <i>Sensors</i> , 2020, 20, 7159. | 3.8 | 5 |
| 24 | Thermal imaging dataset from composite material academic samples inspected by pulsed thermography. <i>Data in Brief</i> , 2020, 32, 106313. | 1.0 | 18 |
| 25 | Assessing the reliability of an automated system for mineral identification using LWIR Hyperspectral Infrared imagery. <i>Minerals Engineering</i> , 2020, 155, 106409. | 4.3 | 18 |
| 26 | Autonomous high resolution inspection of kiss-bonds skins of carbon nanotube reinforced nanocomposites using novel dynamic line-scan thermography approach. <i>Composites Science and Technology</i> , 2020, 192, 108111. | 7.8 | 15 |
| 27 | Comparison of Cooled and Uncooled IR Sensors by Means of Signal-to-Noise Ratio for NDT Diagnostics of Aerospace Grade Composites. <i>Sensors</i> , 2020, 20, 3381. | 3.8 | 34 |
| 28 | Thermal stresses applied on helicopter blades useful to retrieve defects by means of infrared thermography and speckle patterns. <i>Thermal Science and Engineering Progress</i> , 2020, 18, 100511. | 2.7 | 3 |
| 29 | Thermography data fusion and nonnegative matrix factorization for the evaluation of cultural heritage objects and buildings. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 943-955. | 3.6 | 35 |
| 30 | Robotized Line-Scan Thermographic Mid-Wave Infrared Vision for Artwork Inspection: A Study on Famous Mock-Ups. <i>Springer Proceedings in Materials</i> , 2019, , 64-74. | 0.3 | 1 |
| 31 | Evaluation of Impact of Hot-Mix Asphalt Density Differentials on Thermal Streak Phenomenon by Passive Infrared Thermography. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, . | 2.9 | 1 |
| 32 | Automated defect classification in infrared thermography based on a neural network. <i>NDT and E International</i> , 2019, 107, 102147. | 3.7 | 47 |
| 33 | On the Use of Infrared Thermography and Acousto-â€”Ultrasonics NDT Techniques for Ceramic-Coated Sandwich Structures. <i>Energies</i> , 2019, 12, 2537. | 3.1 | 9 |
| 34 | Incremental Low Rank Noise Reduction for Robust Infrared Tracking of Body Temperature during Medical Imaging. <i>Electronics (Switzerland)</i> , 2019, 8, 1301. | 3.1 | 8 |
| 35 | Dynamic Line-Scan Thermography for the Inspection of Paper-Based Materials: A Case Study Focused on an Ancient Book Cover. <i>Proceedings (mdpi)</i> , 2019, 27, . | 0.2 | 2 |
| 36 | Infrared Non-Destructive Testing via Semi-Nonnegative Matrix Factorization. <i>Proceedings (mdpi)</i> , 2019, 27, . | 0.2 | 2 |

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| 37 | LSTM-RNN-based defect classification in honeycomb structures using infrared thermography. <i>Infrared Physics and Technology</i> , 2019, 102, 103032. | 2.9 | 50 |
| 38 | Low-rank sparse principal component thermography (sparse-PCT): Comparative assessment on detection of subsurface defects. <i>Infrared Physics and Technology</i> , 2019, 98, 278-284. | 2.9 | 43 |
| 39 | Application of NDT thermographic imaging of aerospace structures. <i>Infrared Physics and Technology</i> , 2019, 97, 456-466. | 2.9 | 52 |
| 40 | Mineral identification in LWIR hyperspectral imagery applying sparse-based clustering. <i>Quantitative InfraRed Thermography Journal</i> , 2019, 16, 147-162. | 4.2 | 6 |
| 41 | Reliability assessment of pulsed thermography and ultrasonic testing for impact damage of CFRP panels. <i>NDT and E International</i> , 2019, 102, 77-83. | 3.7 | 54 |
| 42 | Improving the detection of thermal bridges in buildings via on-site infrared thermography: The potentialities of innovative mathematical tools. <i>Energy and Buildings</i> , 2019, 182, 159-171. | 6.7 | 52 |
| 43 | Application of Sparse Non-Negative Matrix Factorization in infrared non-destructive testing. , 2019, , . | | 2 |
| 44 | Autonomous systems thermographic NDT of composite structures. , 2019, , . | | 0 |
| 45 | Optical excitation thermography for twill/plain weaves and stitched fabric dry carbon fibre preform inspection. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 282-293. | 7.6 | 40 |
| 46 | Active thermography testing and data analysis for the state of conservation of panel paintings. <i>International Journal of Thermal Sciences</i> , 2018, 126, 143-151. | 4.9 | 39 |
| 47 | Impact Modelling and A Posteriori Non-destructive Evaluation of Homogeneous Particleboards of Sugarcane Bagasse. <i>Journal of Nondestructive Evaluation</i> , 2018, 37, 1. | 2.4 | 13 |
| 48 | Parameter Optimization of Robotize Line Scan Thermography for CFRP Composite Inspection. <i>Journal of Nondestructive Evaluation</i> , 2018, 37, 1. | 2.4 | 13 |
| 49 | More than Fifty Shades of Grey: Quantitative Characterization of Defects and Interpretation Using SNR and CNR. <i>Journal of Nondestructive Evaluation</i> , 2018, 37, 1. | 2.4 | 39 |
| 50 | Optimised dynamic line scan thermographic detection of CFRP inserts using FE updating and POD analysis. <i>NDT and E International</i> , 2018, 93, 141-149. | 3.7 | 26 |
| 51 | Qualitative Assessments via Infrared Vision of Sub-surface Defects Present Beneath Decorative Surface Coatings. <i>International Journal of Thermophysics</i> , 2018, 39, 1. | 2.1 | 10 |
| 52 | Optical and Mechanical Excitation Thermography for Impact Response in Basalt-Carbon Hybrid Fiber-Reinforced Composite Laminates. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 514-522. | 11.3 | 81 |
| 53 | Comparative study on point and line thermographic inspection for fiber orientation assessment of randomly oriented strand material. <i>Journal of the Brazilian Computer Society</i> , 2018, 24, . | 1.3 | 0 |
| 54 | A Comparative Study of Enhanced Infrared Image Processing for Foreign Object Detection in Lightweight Composite Honeycomb Structures. <i>International Journal of Thermophysics</i> , 2018, 39, 1. | 2.1 | 6 |

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| 55 | Automated Dynamic Inspection Using Active Infrared Thermography. IEEE Transactions on Industrial Informatics, 2018, 14, 5648-5657. | 11.3 | 31 |
| 56 | Comparison and evaluation of geometric calibration methods for infrared cameras to perform metric measurements on a plane. Applied Optics, 2018, 57, D1. | 1.8 | 6 |
| 57 | Continuum removal for ground-based LWIR hyperspectral infrared imagery applying non-negative matrix factorization. Applied Optics, 2018, 57, 6219. | 1.8 | 14 |
| 58 | Thermographic Non-Destructive Evaluation for Natural Fiber-Reinforced Composite Laminates. Applied Sciences (Switzerland), 2018, 8, 240. | 2.5 | 20 |
| 59 | Machine Learning and Infrared Thermography for Fiber Orientation Assessment on Randomly-Oriented Strands Parts. Sensors, 2018, 18, 288. | 3.8 | 23 |
| 60 | Comparison assessment of low rank sparse-PCA based-clustering/classification for automatic mineral identification in long wave infrared hyperspectral imagery. Infrared Physics and Technology, 2018, 93, 103-111. | 2.9 | 28 |
| 61 | IR Reflectography and Active Thermography on Artworks: The Added Value of the 1.5-3 μm Band. Applied Sciences (Switzerland), 2018, 8, 50. | 2.5 | 20 |
| 62 | Eddy current pulsed thermography for ballistic impact evaluation in basalt-carbon hybrid composite panels. Applied Optics, 2018, 57, D74. | 1.8 | 18 |
| 63 | Enhanced Infrared Image Processing for Impacted Carbon/Glass Fiber-Reinforced Composite Evaluation. Sensors, 2018, 18, 45. | 3.8 | 15 |
| 64 | Nondestructive Investigation of Paintings on Canvas by Infrared Thermography, Air-Coupled Ultrasound, and X-Ray Radiography. , 2018, , 367-374. | | 2 |
| 65 | A novel optical air-coupled ultrasound NDE sensing technique compared with infrared thermographic NDT on impacted composite materials. , 2018, , . | | 4 |
| 66 | Nondestructive evaluation using eddy current pulsed thermographic imaging of basalt-carbon hybrid fiber-reinforced composite laminates subjected to low-velocity impact loadings. , 2018, , . | | 1 |
| 67 | The multi-dimensional ensemble empirical mode decomposition (MEEMD). Journal of Thermal Analysis and Calorimetry, 2017, 128, 1841-1858. | 3.6 | 35 |
| 68 | Solar loading thermography: Time-lapsed thermographic survey and advanced thermographic signal processing for the inspection of civil engineering and cultural heritage structures. Infrared Physics and Technology, 2017, 82, 56-74. | 2.9 | 48 |
| 69 | Robust quantitative depth estimation on CFRP samples using active thermography inspection and numerical simulation updating. NDT and E International, 2017, 87, 119-123. | 3.7 | 37 |
| 70 | Evaluation of the state of conservation of mosaics: Simulations and thermographic signal processing. International Journal of Thermal Sciences, 2017, 117, 287-315. | 4.9 | 18 |
| 71 | Modified algorithm for mineral identification in LWIR hyperspectral imagery. , 2017, , . | | 1 |
| 72 | Thermal NDT applying Candid Covariance-Free Incremental Principal Component Thermography (CCIPCT)., 2017, , . | | 5 |

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| 73 | Implementation of advanced signal processing techniques on Line-Scan Thermography data. , 2017, , . | | 3 |
| 74 | Optimization of the Inspection of Large Composite Materials Using Robotized Line Scan Thermography. Journal of Nondestructive Evaluation, 2017, 36, 1. | 2.4 | 47 |
| 75 | Non-destructive Investigation of Paintings on Canvas by Continuous Wave Terahertz Imaging and Flash Thermography. Journal of Nondestructive Evaluation, 2017, 36, 1. | 2.4 | 106 |
| 76 | Highly accurate geometric calibration for infrared cameras using inexpensive calibration targets. Measurement: Journal of the International Measurement Confederation, 2017, 112, 105-116. | 5.0 | 43 |
| 77 | Automatic IRNDT inspection applying sparse PCA-based clustering. , 2017, , . | | 9 |
| 78 | Comparative analysis on thermal non-destructive testing imagery applying Candid Covariance-Free Incremental Principal Component Thermography (CCIPCT). Infrared Physics and Technology, 2017, 85, 163-169. | 2.9 | 79 |
| 79 | Artificial Neural Networks and Infrared Thermography for Fiber Orientation Assessment. , 2017, , . | | 3 |
| 80 | Nondestructive Evaluation of Carbon Fiber Bicycle Frames Using Infrared Thermography. Sensors, 2017, 17, 2679. | 3.8 | 15 |
| 81 | Infrared vision for artwork and cultural heritage NDE studies: principles and case studies. Insight: Non-Destructive Testing and Condition Monitoring, 2017, 59, 243-248. | 0.6 | 20 |
| 82 | Pulsed micro-laser line thermography on submillimeter porosity in carbon fiber reinforced polymer composites: experimental and numerical analyses for the capability of detection. Applied Optics, 2016, 55, D1. | 2.1 | 23 |
| 83 | Carbon fiber composite inspection and defect characterization using active infrared thermography: numerical simulations and experimental results. Applied Optics, 2016, 55, D46. | 2.1 | 37 |
| 84 | Infrared thermography for CFRP inspection: computational model and experimental results. Proceedings of SPIE, 2016, , . | 0.8 | 4 |
| 85 | Fracture behavior of reinforced aluminum alloy matrix composites using thermal imaging tools. , 2016, , . | | 3 |
| 86 | Emissivity retrieval from indoor hyperspectral imaging of mineral grains. , 2016, , . | | 3 |
| 87 | Mineral identification in hyperspectral imaging using Sparse-PCA. Proceedings of SPIE, 2016, , . | 0.8 | 4 |
| 88 | Comparative study of microlaser excitation thermography and microultrasonic excitation thermography on submillimeter porosity in carbon fiber reinforced polymer composites. Optical Engineering, 2016, 56, 041304. | 1.0 | 18 |
| 89 | Diagnostics of wall paintings: A smart and reliable approach. Journal of Cultural Heritage, 2016, 18, 229-241. | 3.3 | 24 |
| 90 | Monitoring of jute/hemp fiber hybrid laminates by nondestructive testing techniques. Science and Engineering of Composite Materials, 2016, 23, 283-300. | 1.4 | 22 |

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| 91 | Basalt fibre laminates non-destructively inspected after low-velocity impacts. FME Transactions, 2016, 44, 380-385. | 1.4 | 4 |
| 92 | How to Retrieve Information Inherent to Old Restorations Made on Frescoes of Particular Artistic Value Using Infrared Vision?. International Journal of Thermophysics, 2015, 36, 3051-3070. | 2.1 | 18 |
| 93 | Subsurface imaging for panel paintings inspection: A comparative study of the ultraviolet, the visible, the infrared and the terahertz spectra. Opto-electronics Review, 2015, 23, . | 2.4 | 31 |
| 94 | Role of the masonry in paintings during a seismic event analyzed by infrared vision. Proceedings of SPIE, 2015, , . | 0.8 | 4 |
| 95 | Integration of infrared and optical imaging techniques for the nondestructive inspection of aeronautic parts. , 2015, , . | | 3 |
| 96 | Review of pulse phase thermography. , 2015, , . | | 11 |
| 97 | Santa Maria di Collemaggio Church (L'Aquila, Italy): Historical Reconstruction by Non-Destructive Testing Techniques. International Journal of Architectural Heritage, 2015, 9, 367-390. | 3.1 | 24 |
| 98 | Comparative study on submillimeter flaws in stitched T-joint carbon fiber reinforced polymer by infrared thermography, microcomputed tomography, ultrasonic c-scan and microscopic inspection. Optical Engineering, 2015, 54, 104109. | 1.0 | 23 |
| 99 | Fiber orientation assessment on randomly-oriented strand composites by means of infrared thermography. Composites Science and Technology, 2015, 121, 25-33. | 7.8 | 33 |
| 100 | Thermographic Non-destructive Evaluation of Carbon Fiber-Reinforced Polymer Plates After Tensile Testing. Journal of Nondestructive Evaluation, 2015, 34, 1. | 2.4 | 19 |
| 101 | Infrared Vision: Visual Inspection Beyond the Visible Spectrum. Advances in Computer Vision and Pattern Recognition, 2015, , 41-58. | 1.3 | 5 |
| 102 | Compression After Impact and Fatigue of Reconsolidated Fiber-reinforced Thermoplastic Matrix Solid Composite Laminate. , 2014, 3, 485-492. | | 5 |
| 103 | Pulsed thermographic inspection of CFRP structures: experimental results and image analysis tools. Proceedings of SPIE, 2014, , . | 0.8 | 5 |
| 104 | Inverse model for defect characterisation of externally glued CFRP on reinforced concrete structures: comparative study of square pulsed and pulsed thermography. Quantitative InfraRed Thermography Journal, 2014, 11, 84-114. | 4.2 | 13 |
| 105 | Discovering the Defects in Paintings Using Non-destructive Testing (NDT) Techniques and Passing Through Measurements of Deformation. Journal of Nondestructive Evaluation, 2014, 33, 358-383. | 2.4 | 23 |
| 106 | Holographic Interferometry (HI), Infrared Vision and X-Ray Fluorescence (XRF) spectroscopy for the assessment of painted wooden statues: a new integrated approach. Applied Physics A: Materials Science and Processing, 2014, 115, 1041-1056. | 2.3 | 30 |
| 107 | Enhanced image processing for infrared non-destructive testing. Opto-electronics Review, 2014, 22, . | 2.4 | 18 |
| 108 | Thermal numerical model and computational simulation of pulsed thermography inspection of carbon fiber-reinforced composites. International Journal of Thermal Sciences, 2014, 86, 325-340. | 4.9 | 43 |

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| 109 | Optimization of pulsed thermography inspection by partial least-squares regression. NDT and E International, 2014, 66, 128-138. | 3.7 | 92 |
| 110 | Non-Destructive Testing Techniques to Help the Restoration of Frescoes. Arabian Journal for Science and Engineering, 2014, 39, 3461-3480. | 1.1 | 16 |
| 111 | RITA - Robotized Inspection by Thermography and Advanced processing for the inspection of aeronautical components. , 2014, , . | | 15 |
| 112 | How to reveal subsurface defects in Kevlar® composite materials after an impact loading using infrared vision and optical NDT techniques?. Engineering Fracture Mechanics, 2013, 108, 195-208. | 4.3 | 33 |
| 113 | Quantitative evaluation of optical lock-in and pulsed thermography for aluminum foam material. Infrared Physics and Technology, 2013, 60, 275-280. | 2.9 | 51 |
| 114 | Defects detection and non-destructive testing (NDT) techniques in paintings: a unified approach through measurements of deformation. Proceedings of SPIE, 2013, , . | 0.8 | 4 |
| 115 | Infrared thermography inspection of glass reinforced plastic (GRP) wind turbine blades and the concept of an automated scanning device. Proceedings of SPIE, 2013, , . | 0.8 | 7 |
| 116 | Nondestructive testing of externally reinforced structures for seismic retrofitting using flax fiber reinforced polymer (FFRP) composites. Proceedings of SPIE, 2013, , . | 0.8 | 6 |
| 117 | Analysis of signal processing techniques in pulsed thermography. , 2013, , . | | 5 |
| 118 | Falling weight impacted glass and basalt fibre woven composites inspected using non-destructive techniques. Composites Part B: Engineering, 2013, 45, 601-608. | 12.0 | 65 |
| 119 | Eco-Friendly Laminates: From the Indentation to Non-Destructive Evaluation by Optical and Infrared Monitoring Techniques. Strain, 2013, 49, 175-189. | 2.4 | 21 |
| 120 | Nondestructive testing with thermography. European Journal of Physics, 2013, 34, S91-S109. | 0.6 | 121 |
| 121 | Infrared Thermography. , 2013, , 175-220. | | 34 |
| 122 | Water ingress detection in honeycomb sandwich panels by passive infrared thermography using a high-resolution thermal imaging camera. , 2012, , . | | 5 |
| 123 | From the experimental simulation to integrated non-destructive analysis by means of optical and infrared techniques: results compared. Measurement Science and Technology, 2012, 23, 115601. | 2.6 | 33 |
| 124 | Evaluation of defects in panel paintings using infrared, optical and ultrasonic techniques. Insight: Non-Destructive Testing and Condition Monitoring, 2012, 54, 21-27. | 0.6 | 26 |
| 125 | Nondestructive Assessment of Glass Fibre Composites by Mid-Wave and Near Infrared Vision. Materials Transactions, 2012, 53, 601-603. | 1.2 | 7 |
| 126 | ThermoPoD: A reliability study on active infrared thermography for the inspection of composite materials. Journal of Mechanical Science and Technology, 2012, 26, 1985-1991. | 1.5 | 47 |

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| 127 | NDT inspection of plastered mosaics by means of transient thermography and holographic interferometry. <i>NDT and E International</i> , 2012, 47, 150-156. | 3.7 | 33 |
| 128 | Detection and characterization of water ingress in honeycomb structures by passive and active infrared thermography using a high resolution camera. , 2012, , . | | 6 |
| 129 | Importance of integrated results of different non-destructive techniques in order to evaluate defects in panel paintings: the contribution of infrared, optical and ultrasonic techniques. , 2011, , . | | 8 |
| 130 | Automated transient thermography for the inspection of CFRP structures: experimental results and developed procedures. , 2011, , . | | 2 |
| 131 | Delamination detection and impact damage assessment of GLARE by active thermography. <i>International Journal of Materials and Product Technology</i> , 2011, 41, 5. | 0.2 | 43 |
| 132 | Integrated approach between pulsed thermography, near-infrared reflectography and sandwich holography for wooden panel paintings advanced monitoring. <i>Russian Journal of Nondestructive Testing</i> , 2011, 47, 284-293. | 0.9 | 27 |
| 133 | Infrared thermography as a nondestructive tool for materials characterisation and assessment. <i>Proceedings of SPIE</i> , 2011, , . | 0.8 | 10 |
| 134 | The use of optical and infrared techniques for the restoration of the frescoes damaged by earthquake: a case study—the fresco of Giacomo Farelli in the Church of Santa Maria della Croce di Roio (L'Aquila, Italy). <i>WIT Transactions on the Built Environment</i> , 2011, , . | 0.0 | 2 |
| 135 | Comparative study for the nondestructive testing of advanced ceramic materials by infrared thermography and holographic interferometry. , 2010, , . | | 8 |
| 136 | Infrared thermography processing based on higher-order statistics. <i>NDT and E International</i> , 2010, 43, 661-666. | 3.7 | 99 |
| 137 | Diagnostics of panel paintings using holographic interferometry and pulsed thermography. <i>Quantitative InfraRed Thermography Journal</i> , 2010, 7, 85-114. | 4.2 | 56 |
| 138 | Quantitative Infrared Thermography (IRT) and Holographic Interferometry (HI): Nondestructive Testing (NDT) for Defects Detection in the Silicate Ceramics Industry. <i>Advances in Science and Technology</i> , 2010, 68, 102-107. | 0.2 | 9 |
| 139 | DEVELOPMENT OF A FIELD CONCENTRATOR COIL BY FINITE ELEMENT MODELING FOR POWER EFFICIENCY OPTIMIZATION IN EDDY CURRENT THERMOGRAPHY INSPECTION. , 2010, , . | | 2 |
| 140 | Active thermography signal processing techniques for defect detection and characterization on composite materials. , 2010, , . | | 21 |
| 141 | Nondestructive testing of plastered mosaics with the use of active thermography approaches. , 2010, , . | | 1 |
| 142 | Active infrared thermography applied to defect detection and characterization on asphalt pavement samples: comparison between experiments and numerical simulations. <i>Journal of Modern Optics</i> , 2010, 57, 1759-1769. | 1.3 | 18 |
| 143 | A comparative investigation for the nondestructive testing of honeycomb structures by holographic interferometry and infrared thermography. <i>Journal of Physics: Conference Series</i> , 2010, 214, 012071. | 0.4 | 15 |
| 144 | Active thermography data processing for the NDT&E of frescoes. , 2010, , . | | 6 |

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| 145 | Near infrared imaging for multi-polar civilian applications. , 2010, , . | | 3 |
| 146 | Comparative Study of Active Thermography Techniques for the Nondestructive Evaluation of Honeycomb Structures. Research in Nondestructive Evaluation, 2009, 20, 1-31. | 1.1 | 226 |
| 147 | Heat-stimulus correction for pulsed-infrared thermography. Proceedings of SPIE, 2009, , . | 0.8 | 0 |
| 148 | Enhanced contrast detection of subsurface defects by pulsed infrared thermography based on the fourth order statistic moment, kurtosis. , 2009, , . | | 21 |
| 149 | Defect characterization in infrared non-destructive testing with learning machines. NDT and E International, 2009, 42, 630-643. | 3.7 | 31 |
| 150 | Definition of a new thermal contrast and pulse correction for defect quantification in pulsed thermography. Infrared Physics and Technology, 2008, 51, 160-167. | 2.9 | 75 |
| 151 | A study of active thermography approaches for the non-destructive testing and evaluation of aerospace structures. , 2008, , . | | 2 |
| 152 | Subsurface defect characterization in artworks by quantitative pulsed phase thermography and holographic interferometry. Quantitative InfraRed Thermography Journal, 2008, 5, 131-149. | 4.2 | 34 |
| 153 | Localization of wood floor structure by infrared thermography. Proceedings of SPIE, 2008, , . | 0.8 | 2 |
| 154 | A straightforward graphical user interface for basic and advanced signal processing of thermographic infrared sequences. , 2008, , . | | 16 |
| 155 | Thermographic signal processing through correlation operators in pulsed thermography. Proceedings of SPIE, 2008, , . | 0.8 | 11 |
| 156 | Automatic data processing based on the skewness statistic parameter for subsurface defect detection by active infrared thermography. , 2008, , . | | 10 |
| 157 | Inspection of aerospace materials by pulsed thermography, lock-in thermography, and vibrothermography: a comparative study. , 2007, , . | | 30 |
| 158 | Defect quantification with reference-free thermal contrast and artificial neural networks. , 2007, 6541, 242. | | 5 |
| 159 | Qualitative and quantitative assessment of aerospace structures by pulsed thermography. Nondestructive Testing and Evaluation, 2007, 22, 199-215. | 2.1 | 53 |
| 160 | A combined integral transform asymptotic expansion method for the characterization of interface flaws through pulsed infrared thermography. Quantitative InfraRed Thermography Journal, 2007, 4, 3-23. | 4.2 | 2 |
| 161 | Images processing and flow measurement applied to the thermographic analysis of heat-losses in boilers' isolation. , 2007, , . | | 0 |
| 162 | Thermographic studies of plastered mosaics. Infrared Physics and Technology, 2007, 49, 254-256. | 2.9 | 26 |

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| 163 | ACTIVE INFRARED THERMOGRAPHY TECHNIQUES FOR THE NONDESTRUCTIVE TESTING OF MATERIALS. , 2007, , 325-348. | | 43 |
| 164 | Modified Differential Absolute Contrast using Thermal Quadrupoles for the Nondestructive Testing of Finite Thickness Specimens by Infrared Thermography. , 2006, , . | | 28 |
| 165 | New algorithm based on the Hough transform for the analysis of pulsed thermographic sequences. NDT and E International, 2006, 39, 617-621. | 3.7 | 7 |
| 166 | Analysis of pulsed thermographic sequences based on radon transform. , 2006, , . | | 3 |
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