

C Ibarra-Castanedo

List of Publications by Year in descending order

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187
papers

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117453

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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.	2.1	5
2	Application of blind image quality assessment metrics to pulsed thermography. Quantitative InfraRed Thermography Journal, 2023, 20, 256-276.	2.1	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.	2.1	2
4	Development of a thermal excitation source used in an active thermographic UAV platform. Quantitative InfraRed Thermography Journal, 2023, 20, 198-229.	2.1	13
5	Influence of different design parameters on a coplanar capacitive sensor performance. NDT and E International, 2022, 126, 102588.	1.7	12
6	Automated Defect Detection in Non-planar Objects Using Deep Learning Algorithms. Journal of Nondestructive Evaluation, 2022, 41, 1.	1.1	11
7	Multi-Electrode Coplanar Capacitive Probe With Various Arrangements for Non-Destructive Testing of Materials. IEEE Sensors Journal, 2022, 22, 8134-8146.	2.4	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.	1.7	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.	2.4	13
10	Introduction of Deep Learning in Thermographic Monitoring of Cultural Heritage and Improvement by Automatic Thermogram Pre-Processing Algorithms. Sensors, 2021, 21, 750.	2.1	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.	2.9	25
12	Evaluation and Selection of Video Stabilization Techniques for UAV-Based Active Infrared Thermography Application. Sensors, 2021, 21, 1604.	2.1	6
13	Numerical Simulation and Experimental Study of Capacitive Imaging Technique as a Nondestructive Testing Method. Applied Sciences (Switzerland), 2021, 11, 3804.	1.3	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.	1.3	7
15	Robust Principal Component Thermography for Defect Detection in Composites. Sensors, 2021, 21, 2682.	2.1	5
16	Multiscale Analysis of Solar Loading Thermographic Signals for Wall Structure Inspection. Sensors, 2021, 21, 2806.	2.1	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.	1.3	18
18	Unsupervised Identification of Targeted Spectra Applying Rank1-NMF and FCC Algorithms in Long-Wave Hyperspectral Infrared Imagery. Remote Sensing, 2021, 13, 2125.	1.8	4

#	ARTICLE	IF	CITATIONS
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.	2.0	15
20	Drone-Based Non-Destructive Inspection of Industrial Sites: A Review and Case Studies. <i>Drones</i> , 2021, 5, 106.	2.7	38
21	Data Enhancement via Low-Rank Matrix Reconstruction in Pulsed Thermography for Carbon-Fibre-Reinforced Polymers. <i>Sensors</i> , 2021, 21, 7185.	2.1	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.	2.1	5
24	Thermal imaging dataset from composite material academic samples inspected by pulsed thermography. <i>Data in Brief</i> , 2020, 32, 106313.	0.5	18
25	Assessing the reliability of an automated system for mineral identification using LWIR Hyperspectral Infrared imagery. <i>Minerals Engineering</i> , 2020, 155, 106409.	1.8	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.	3.8	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.	2.1	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.	1.3	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.	2.0	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.	0.1	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, .	1.3	1
32	Automated defect classification in infrared thermography based on a neural network. <i>NDT and E International</i> , 2019, 107, 102147.	1.7	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.	1.6	9
34	Incremental Low Rank Noise Reduction for Robust Infrared Tracking of Body Temperature during Medical Imaging. <i>Electronics (Switzerland)</i> , 2019, 8, 1301.	1.8	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.	1.3	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.	1.3	43
39	Application of NDT thermographic imaging of aerospace structures. <i>Infrared Physics and Technology</i> , 2019, 97, 456-466.	1.3	52
40	Mineral identification in LWIR hyperspectral imagery applying sparse-based clustering. <i>Quantitative InfraRed Thermography Journal</i> , 2019, 16, 147-162.	2.1	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.	1.7	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.	3.1	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.	3.8	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.	2.6	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.	1.1	13
48	Parameter Optimization of Robotize Line Scan Thermography for CFRP Composite Inspection. <i>Journal of Nondestructive Evaluation</i> , 2018, 37, 1.	1.1	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.	1.1	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.	1.7	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.	1.0	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.	7.2	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, .	0.8	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.	1.0	6

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55	Automated Dynamic Inspection Using Active Infrared Thermography. IEEE Transactions on Industrial Informatics, 2018, 14, 5648-5657.	7.2	31
56	Comparison and evaluation of geometric calibration methods for infrared cameras to perform metric measurements on a plane. Applied Optics, 2018, 57, D1.	0.9	6
57	Continuum removal for ground-based LWIR hyperspectral infrared imagery applying non-negative matrix factorization. Applied Optics, 2018, 57, 6219.	0.9	14
58	Thermographic Non-Destructive Evaluation for Natural Fiber-Reinforced Composite Laminates. Applied Sciences (Switzerland), 2018, 8, 240.	1.3	20
59	Machine Learning and Infrared Thermography for Fiber Orientation Assessment on Randomly-Oriented Strands Parts. Sensors, 2018, 18, 288.	2.1	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.	1.3	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.	1.3	20
62	Eddy current pulsed thermography for ballistic impact evaluation in basalt-carbon hybrid composite panels. Applied Optics, 2018, 57, D74.	0.9	18
63	Enhanced Infrared Image Processing for Impacted Carbon/Glass Fiber-Reinforced Composite Evaluation. Sensors, 2018, 18, 45.	2.1	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.	2.0	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.	1.3	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.	1.7	37
70	Evaluation of the state of conservation of mosaics: Simulations and thermographic signal processing. International Journal of Thermal Sciences, 2017, 117, 287-315.	2.6	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.	1.1	47
75	Non-destructive Investigation of Paintings on Canvas by Continuous Wave Terahertz Imaging and Flash Thermography. Journal of Nondestructive Evaluation, 2017, 36, 1.	1.1	106
76	Highly accurate geometric calibration for infrared cameras using inexpensive calibration targets. Measurement: Journal of the International Measurement Confederation, 2017, 112, 105-116.	2.5	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.	1.3	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.	2.1	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.	0.3	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.	0.5	18
89	Diagnostics of wall paintings: A smart and reliable approach. Journal of Cultural Heritage, 2016, 18, 229-241.	1.5	24
90	Monitoring of jute/hemp fiber hybrid laminates by nondestructive testing techniques. Science and Engineering of Composite Materials, 2016, 23, 283-300.	0.6	22

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91	Basalt fibre laminates non-destructively inspected after low-velocity impacts. FME Transactions, 2016, 44, 380-385.	0.7	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.	1.0	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.	1.7	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.	0.5	23
99	Fiber orientation assessment on randomly-oriented strand composites by means of infrared thermography. Composites Science and Technology, 2015, 121, 25-33.	3.8	33
100	Thermographic Non-destructive Evaluation of Carbon Fiber-Reinforced Polymer Plates After Tensile Testing. Journal of Nondestructive Evaluation, 2015, 34, 1.	1.1	19
101	Infrared Vision: Visual Inspection Beyond the Visible Spectrum. Advances in Computer Vision and Pattern Recognition, 2015, , 41-58.	0.9	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.	2.1	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.	1.1	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.	1.1	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.	2.6	43

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109	Optimization of pulsed thermography inspection by partial least-squares regression. NDT and E International, 2014, 66, 128-138.	1.7	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.	2.0	33
113	Quantitative evaluation of optical lock-in and pulsed thermography for aluminum foam material. Infrared Physics and Technology, 2013, 60, 275-280.	1.3	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.	5.9	65
119	Eco-Friendly Laminates: From the Indentation to Non-Destructive Evaluation by Optical and Infrared Monitoring Techniques. Strain, 2013, 49, 175-189.	1.4	21
120	Nondestructive testing with thermography. European Journal of Physics, 2013, 34, S91-S109.	0.3	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.	1.4	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.	0.3	26
125	Nondestructive Assessment of Glass Fibre Composites by Mid-Wave and Near Infrared Vision. Materials Transactions, 2012, 53, 601-603.	0.4	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.	0.7	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.	1.7	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.	0.1	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.	0.3	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.	1.7	99
137	Diagnostics of panel paintings using holographic interferometry and pulsed thermography. <i>Quantitative InfraRed Thermography Journal</i> , 2010, 7, 85-114.	2.1	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.	0.6	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.	0.3	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.	0.5	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.	1.7	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.	1.3	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.	2.1	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.	1.1	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.	2.1	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.	1.3	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.	1.7	7
166	Analysis of pulsed thermographic sequences based on radon transform. , 2006, , .		3
167	Quality control on radiant heaters manufacture. , 2006, , .		0
168	Discrete signal transforms as a tool for processing and analyzing pulsed thermographic data. , 2006, , .		16
169	Differentiated absolute phase contrast algorithm for the analysis of pulsed thermographic sequences. Infrared Physics and Technology, 2006, 48, 16-21.	1.3	21
170	Quantitative inspection of non-planar composite specimens by pulsed phase thermography. Quantitative InfraRed Thermography Journal, 2006, 3, 25-40.	2.1	15
171	Phase contrast using a differentiated absolute contrast method. Quantitative InfraRed Thermography Journal, 2006, 3, 219-230.	2.1	13
172	Defect Quantification with Thermographic Signal Reconstruction and Artificial Neural Networks. , 2006, , .		9
173	Quantitative pulsed phase thermography applied to steel plates. , 2005, , .		6
174	Pulsed phase thermography inversion procedure using normalized parameters to account for defect size variations. , 2005, , .		16
175	Interactive Methodology for Optimized Defect Characterization by Quantitative Pulsed Phase Thermography. Research in Nondestructive Evaluation, 2005, 16, 175-193.	0.5	48
176	Defect depth retrieval from pulsed phase thermographic data on Plexiglas and aluminum samples. , 2004, , .		43
177	Pulsed phase thermography reviewed. Quantitative InfraRed Thermography Journal, 2004, 1, 47-70.	2.1	195
178	A thermographic comparison study for the assessment of composite patches. Infrared Physics and Technology, 2004, 45, 291-299.	1.3	41
179	Aircraft composites assessment by means of transient thermal NDT. Progress in Aerospace Sciences, 2004, 40, 143-162.	6.3	154
180	Infrared image processing and data analysis. Infrared Physics and Technology, 2004, 46, 75-83.	1.3	172

#	ARTICLE	IF	CITATIONS
181	Thermal transient thermographic NDT and E of composites. , 2004, 5405, 403.		2
182	Advanced surveillance systems: combining video and thermal imagery for pedestrian detection. , 2004, , .		44
183	Automatic interpolated differentiated absolute contrast algorithm for the analysis of pulsed thermographic sequences. , 2004, , .		15
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