

Bernardo Cassimiro Fonseca de Oliveira

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

80
citations

2258059

3
h-index

1720034

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12
docs citations

12
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved impact damage characterisation in CFRP samples using the fusion of optical lock-in thermography and optical square-pulse shearography images. <i>NDT and E International</i> , 2020, 111, 102215.	3.7	31
2	Employing a U-net convolutional neural network for segmenting impact damages in optical lock-in thermography images of CFRP plates. <i>Nondestructive Testing and Evaluation</i> , 2021, 36, 440-458.	2.1	19
3	Detection of defects in the manufacturing of electric motor stators using vision systems: <i>Electrical connectors.</i> , 2016, , .		7
4	Impact damage characterization in CFRP samples with self-organizing maps applied to lock-in thermography and square-pulse shearography images. <i>Expert Systems With Applications</i> , 2022, 192, 116297.	7.6	7
5	Square-pulse shearography inspections of metallic parts repaired with a glass fiber reinforced polymer using pressure, radiation, vibration, and induction loading methods. <i>International Journal of Pressure Vessels and Piping</i> , 2020, 187, 104187.	2.6	5
6	Impact damage characterization in CFRP plates using PCA and MEEMD decomposition methods in optical lock-in thermography phase images. , 2019, , .		4
7	Defect inspection in stator windings of induction motors based on convolutional neural networks. , 2018, , .		2
8	Enhanced damage measurement in a metal specimen through the image fusion of tone-burst vibro-acoustography and pulse-echo ultrasound data. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 167, 108445.	5.0	2
9	Development and experimental evaluation of a vision system for detecting defects of stator windings in induction motor assembly lines. , 2018, , .		1
10	Estimation of Impact Energies in Composites Using an Out-of-Distribution Generalization of Stacked Models Trained with Shearography and Thermography Images. <i>Journal of Nondestructive Evaluation</i> , 2021, 40, 1.	2.4	1
11	Metrological analysis of the three-dimensional reconstruction based on close-range photogrammetry and the fusion of long-wave infrared and visible-light images. <i>Measurement Science and Technology</i> , 2021, 32, 035015.	2.6	1
12	A conceptual study of infrared and visible-light image fusion methods for three-dimensional object reconstruction. , 2019, , .		0