

Nicolas Peter Avdelidis

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

825
citations

566801

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500791

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g-index

34
all docs

34
docs citations

34
times ranked

743
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a thermal excitation source used in an active thermographic UAV platform. Quantitative InfraRed Thermography Journal, 2023, 20, 198-229.	2.1	13
2	Automated Aircraft Dent Inspection via a Modified Fourier Transform Profilometry Algorithm. Sensors, 2022, 22, 433.	2.1	3
3	Defects Recognition Algorithm Development from Visual UAV Inspections. Sensors, 2022, 22, 4682.	2.1	6
4	Non-destructive imaging of marqueteries based on a new infrared-terahertz fusion technique. Infrared Physics and Technology, 2022, 125, 104277.	1.3	6
5	Evaluation and Selection of Video Stabilization Techniques for UAV-Based Active Infrared Thermography Application. Sensors, 2021, 21, 1604.	2.1	6
6	Digital Twin Analysis to Promote Safety and Security in Autonomous Vehicles. IEEE Communications Standards Magazine, 2021, 5, 40-46.	3.6	61
7	Diagnosis of composite materials in aircraft applications: towards a UAV active thermography inspection approach. , 2021, , .		3
8	Drone-Based Non-Destructive Inspection of Industrial Sites: A Review and Case Studies. Drones, 2021, 5, 106.	2.7	38
9	Comparison of Cooled and Uncooled IR Sensors by Means of Signal-to-Noise Ratio for NDT Diagnostics of Aerospace Grade Composites. Sensors, 2020, 20, 3381.	2.1	34
10	Thermography data fusion and nonnegative matrix factorization for the evaluation of cultural heritage objects and buildings. Journal of Thermal Analysis and Calorimetry, 2019, 136, 943-955.	2.0	35
11	On the Use of Infrared Thermography and Acousto-Ultrasonics NDT Techniques for Ceramic-Coated Sandwich Structures. Energies, 2019, 12, 2537.	1.6	9
12	Inspection of Aircraft Wing Panels Using Unmanned Aerial Vehicles. Sensors, 2019, 19, 1824.	2.1	11
13	Application of NDT thermographic imaging of aerospace structures. Infrared Physics and Technology, 2019, 97, 456-466.	1.3	52
14	Autonomous systems thermographic NDT of composite structures. , 2019, , .		0
15	Impact Modelling and A Posteriori Non-destructive Evaluation of Homogeneous Particleboards of Sugarcane Bagasse. Journal of Nondestructive Evaluation, 2018, 37, 1.	1.1	13
16	Optical and Mechanical Excitation Thermography for Impact Response in Basalt-Carbon Hybrid Fiber-Reinforced Composite Laminates. IEEE Transactions on Industrial Informatics, 2018, 14, 514-522.	7.2	81
17	A Comparative Study of Enhanced Infrared Image Processing for Foreign Object Detection in Lightweight Composite Honeycomb Structures. International Journal of Thermophysics, 2018, 39, 1.	1.0	6
18	Thermographic Non-Destructive Evaluation for Natural Fiber-Reinforced Composite Laminates. Applied Sciences (Switzerland), 2018, 8, 240.	1.3	20

#	ARTICLE	IF	CITATIONS
19	Multispectral Applications of Infrared Thermography in the Diagnosis and Protection of Built Cultural Heritage. Applied Sciences (Switzerland), 2018, 8, 284.	1.3	34
20	Enhanced Infrared Image Processing for Impacted Carbon/Glass Fiber-Reinforced Composite Evaluation. Sensors, 2018, 18, 45.	2.1	15
21	IR Thermography as a Non-destructive Tool for Materials Characterisation and Structural Assessment of Buildings and Historic Structures. , 2018, , 71-78.		1
22	A novel optical air-coupled ultrasound NDE sensing technique compared with infrared thermographic NDT on impacted composite materials. , 2018, , .		4
23	Nondestructive evaluation using eddy current pulsed thermographic imaging of basalt-carbon hybrid fiber-reinforced composite laminates subjected to low-velocity impact loadings. , 2018, , .		1
24	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
25	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
26	Quantitative analysis of plastered mosaics by means of active infrared thermography. Construction and Building Materials, 2014, 73, 417-425.	3.2	38
27	Nondestructive Assessment of Glass Fibre Composites by Mid-Wave and Near Infrared Vision. Materials Transactions, 2012, 53, 601-603.	0.4	7
28	Delamination detection and impact damage assessment of GLARE by active thermography. International Journal of Materials and Product Technology, 2011, 41, 5.	0.1	43
29	Comparative Study of Active Thermography Techniques for the Nondestructive Evaluation of Honeycomb Structures. Research in Nondestructive Evaluation, 2009, 20, 1-31.	0.5	226
30	Quantitative inspection of non-planar composite specimens by pulsed phase thermography. Quantitative InfraRed Thermography Journal, 2006, 3, 25-40.	2.1	15
31	Assessment of Cleaning Conservation Interventions on Architectural Surfaces Using an Integrated Methodology. Materials Research Society Symposia Proceedings, 2002, 712, 251.	0.1	4
32	Non-Destructive Techniques for the Characterization of Structural Materials: Materials Science & Engineering Curriculum for the Education of an Innovative Model. Materials Research Society Symposia Proceedings, 2002, 760, 1.	0.1	2
33	Damage Detectability on Aluminum Alloy Panels Under Composite Patching by Various NDT Techniques. Materials Research Society Symposia Proceedings, 2001, 699, 231.	0.1	1
34	Automatic Segmentation of Aircraft Dents in Point Clouds (SAE Paper 2022-01-0022). , 0, , .		1