

Carosena Meola

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/735475/publications.pdf>

Version: 2024-02-01

115
papers

2,990
citations

201674

27
h-index

182427

51
g-index

119
all docs

119
docs citations

119
times ranked

2332
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-smooth evolutive laws in multisurface elastoplasticity with experimental evidence by infrared thermography. <i>Composite Structures</i> , 2021, 265, 113156.	5.8	5
2	Health Monitoring of Brushless Motors for Unmanned Aircraft Systems Through Infrared Thermography. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 69-75.	0.4	0
3	Nondestructive Testing in Composite Materials. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5123.	2.5	5
4	Lock-in Thermography for Non-destructive Testing of 3D Printed PLA Items. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 149-155.	0.4	3
5	Lock-In Thermography and Ultrasonic Testing of Impacted Basalt Fibers Reinforced Thermoplastic Matrix Composites. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3025.	2.5	13
6	The Contribution of Infrared Thermography in the Characterization of Glass/Epoxy Laminates through Remote Sensing of Thermal-Stress Coupled Effects. <i>Proceedings (mdpi)</i> , 2019, 15, .	0.2	0
7	Getting Information on Impact Damage of Carbon Fibre-Reinforced Composites from Thermal Signature Evolution. <i>Aerotecnica Missili & Spazio</i> , 2019, 98, 247-256.	0.9	0
8	Remote inline monitoring of thermal effects coupled with bending stresses of glass fibres composites. <i>Composites Part B: Engineering</i> , 2019, 174, 107042.	12.0	2
9	Inline monitoring of basalt-based composites under impact tests. <i>Composite Structures</i> , 2019, 210, 152-158.	5.8	8
10	The contribution of infrared thermography in the characterization of jute based composites. <i>Composite Structures</i> , 2018, 190, 119-126.	5.8	10
11	A quantitative approach to retrieve delamination extension from thermal images recorded during impact tests. <i>NDT and E International</i> , 2018, 100, 142-152.	3.7	12
12	The Added Value of Infrared Thermography to Assess the Impact Performance of Composites. <i>Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems</i> , 2018, 1, .	0.9	0
13	Infrared Thermography for Inline Monitoring of Glass/Epoxy under Impact and Quasi-Static Bending. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 301.	2.5	8
14	Composite material overview and its testing for aerospace components. , 2018, , 69-108.		7
15	Experimental technologies comparison for strain measurement of a composite main landing gear bay specimen. , 2018, , .		4
16	Infrared thermography for monitoring heat generation in a linear friction welding process of Ti6Al4V alloy. <i>Infrared Physics and Technology</i> , 2017, 81, 325-338.	2.9	16
17	Infrared thermography to impact damaging of composite materials. , 2017, , .		4
18	The role of polypropylene matrix in cyclic bending coupled thermal effects. <i>Polymer Engineering and Science</i> , 2017, 57, 680-684.	3.1	1

#	ARTICLE	IF	CITATIONS
19	Infrared thermography to locate impact damage in thin and thicker carbon/epoxy panels. Polymer Engineering and Science, 2017, 57, 657-664.	3.1	7
20	Evaluation of polypropylene based composites from thermal effects developing under cyclic bending tests. Composite Structures, 2017, 182, 628-635.	5.8	10
21	In-line monitoring of jute fiber-reinforced poly(lactic acid) composite subjected to impact loading using infrared thermography. Journal of Applied Polymer Science, 2017, 134, 45579.	2.6	5
22	Composite Materials in the Aeronautical Industry. , 2017, , 1-24.		22
23	Nondestructive Evaluation. , 2017, , 25-56.		2
24	Infrared Thermography Basics. , 2017, , 57-83.		27
25	Nondestructive Testing With Infrared Thermography. , 2017, , 85-125.		9
26	Monitoring Load Events. , 2017, , 127-160.		0
27	Impact damaging of composites through online monitoring and non-destructive evaluation with infrared thermography. NDT and E International, 2017, 85, 34-42.	3.7	70
28	Graphene-polymer coating for the realization of strain sensors. Beilstein Journal of Nanotechnology, 2017, 8, 21-27.	2.8	8
29	An Excursus on Infrared Thermography Imaging. Journal of Imaging, 2016, 2, 36.	3.0	3
30	Basic temperature correction of QWIP cameras in thermoelastic/plastic tests of composite materials. Applied Optics, 2016, 55, D87.	2.1	8
31	Evaluation of impact-affected areas of glass fibre thermoplastic composites from thermographic images. Measurement Science and Technology, 2016, 27, 075602.	2.6	19
32	Infrared Thermography to an Aluminium Foam Sandwich Structure Subjected to Low Velocity Impact Tests. Procedia Engineering, 2016, 167, 23-29.	1.2	1
33	Ultrasonic and IR Thermographic Detection of a Defect in a Multilayered Composite Plate. Procedia Engineering, 2016, 167, 71-79.	1.2	22
34	Visualization of Thermal Effects in Polypropylene-based Composites under Cyclic Bending Tests. Procedia Engineering, 2016, 167, 270-275.	1.2	4
35	New perspectives on impact damaging of thermoset- and thermoplastic-matrix composites from thermographic images. Composite Structures, 2016, 152, 746-754.	5.8	32
36	Nondestructive Testing and Evaluation: Overview. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Characterization of piezoresistive properties of graphene-supported polymer coating for strain sensor applications. <i>Sensors and Actuators A: Physical</i> , 2016, 252, 26-34.	4.1	23
38	Monitoring thermoplastic composites under cyclic bending tests. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
39	Visualization of impact damaging of carbon/epoxy panels. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	3
40	Effects of interface strength gradation on impact damage mechanisms in polypropylene/woven glass fabric composites. <i>Composites Part B: Engineering</i> , 2016, 90, 179-187.	12.0	29
41	Lock-in thermography for investigation of impact damage in hybrid polypropylene/glass composites. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2016, 31, 26-30.	1.3	2
42	The Added Value of Infrared Thermography to Impact Damaging Assessment of Carbon Fibre Reinforced Composites. <i>NDT World</i> , 2016, 19, 49-53.	0.1	0
43	Infrared thermography and ultrasonics to evaluate composite materials for aeronautical applications. <i>Journal of Physics: Conference Series</i> , 2015, 658, 012007.	0.4	15
44	Monitoring impact damaging of thermoplastic composites. <i>Journal of Physics: Conference Series</i> , 2015, 658, 012005.	0.4	5
45	Lock-in thermography for investigation of impact damage in hybrid polypropylene/glass composites: LT to hybrid thermoplastic composites. , 2015, , .		0
46	Measurements of very small temperature variations with LWIR QWIP infrared camera. <i>Infrared Physics and Technology</i> , 2015, 72, 195-203.	2.9	23
47	Nondestructive evaluation of carbon fibre reinforced composites with infrared thermography and ultrasonics. <i>Composite Structures</i> , 2015, 134, 845-853.	5.8	147
48	Infrared thermography to evaluate thermoplastic composites under bending load. <i>Composite Structures</i> , 2015, 134, 900-904.	5.8	16
49	On the use of lock-in thermography to monitor delamination growth in composite panels under compression. <i>Science and Engineering of Composite Materials</i> , 2014, 21, 485-492.	1.4	9
50	Flash Thermography to Evaluate Porosity in Carbon Fiber Reinforced Polymer (CFRPs). <i>Materials</i> , 2014, 7, 1483-1501.	2.9	25
51	The role of interface strength on the low velocity impact behaviour of PP/glass fibre laminates. <i>Composites Part B: Engineering</i> , 2014, 62, 88-96.	12.0	72
52	Infrared thermography to evaluate impact damage in glass/epoxy with manufacturing defects. <i>International Journal of Impact Engineering</i> , 2014, 67, 1-11.	5.0	102
53	Convective heat transfer by a row of jets impinging on a concave surface. <i>International Journal of Thermal Sciences</i> , 2014, 75, 153-163.	4.9	46
54	Nondestructive Evaluation of Fiber Reinforced Polymers with Lockin Thermography. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2014, , 207-213.	0.5	1

#	ARTICLE	IF	CITATIONS
55	Infrared thermography for non-destructive evaluation of thermoplastic composites. , 2014, , .		6
56	Infrared thermography to monitor composites under bending tests. , 2014, , .		5
57	Monitoring Materials Under Impact with Infrared Thermography. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 177-185.	0.5	1
58	Comparison between tungsten and steel polypectomy snares: evaluation of depth of colonic thermal wall injury in a pig model. Endoscopy, 2013, 45, 121-126.	1.8	12
59	Non-destructive evaluation (NDE) of aerospace composites: detecting impact damage. , 2013, , 367-396.		5
60	Porosity Distribution in Composite Structures with Infrared Thermography. Journal of Composites, 2013, 2013, 1-8.	0.8	12
61	Infrared Thermography in the Architectural Field. Scientific World Journal, The, 2013, 2013, 1-8.	2.1	24
62	New Insights for Conservation of Villa Imperiale (Pompeii, Italy) Through Nondestructive Exploration. International Journal of Architectural Heritage, 2012, 6, 562-578.	3.1	12
63	Monitoring Composites under Bending Tests with Infrared Thermography. Advances in Optical Technologies, 2012, 2012, 1-7.	0.8	14
64	Porosity and Inclusion Detection in CFRP by Infrared Thermography. Advances in Optical Technologies, 2012, 2012, 1-6.	0.8	10
65	NonDestructive Evaluation of Carbon Fiber Reinforced Polymers with Ultrasonics and Infrared Thermography: An Overview on Historical Steps and Patents. Recent Patents on Materials Science, 2012, 5, 48-67.	0.5	2
66	NDT of polymer nanocomposite for structural applications using electromagnetic techniques. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 363-368.	0.6	5
67	Monitoring of impact damage in Carbon Fibre Reinforced Polymers. , 2012, , .		4
68	NonDestructive Evaluation of Carbon Fiber Reinforced Polymers with Ultrasonics and Infrared Thermography: An Overview on Historical Steps and Patents. Recent Patents on Materials Science, 2012, 5, 48-67.	0.5	7
69	Integration of infrared thermography and high-frequency electromagnetic methods in archaeological surveys. Journal of Geophysics and Engineering, 2011, 8, S93-S105.	1.4	33
70	Detection of Delamination in Carbon-Fibre-Reinforced Polymers with Lock-In Thermography. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2010, 224, 1219-1227.	1.3	9
71	Impact damage in GFRP: New insights with infrared thermography. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1839-1847.	7.6	145
72	A New Correlation of Nusselt Number for Impinging Jets. Heat Transfer Engineering, 2009, 30, 221-228.	1.9	42

#	ARTICLE	IF	CITATIONS
73	Non-destructive testing of a carbon-nanotube-reinforced composite using HTS-SQUID and electromagnetic techniques. <i>Superconductor Science and Technology</i> , 2009, 22, 095001.	3.5	7
74	Infrared thermography of impact-driven thermal effects. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 759-762.	2.3	46
75	Infrared thermography to detect residual ceramic in gas turbine blades. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 91, 685-691.	2.3	18
76	Nondestructive Evaluation of Materials With Rear Heating Lock-In Thermography. <i>IEEE Sensors Journal</i> , 2007, 7, 1388-1389.	4.7	18
77	Infrared thermography of masonry structures. <i>Infrared Physics and Technology</i> , 2007, 49, 228-233.	2.9	67
78	A new approach for estimation of defects detection with infrared thermography. <i>Materials Letters</i> , 2007, 61, 747-750.	2.6	53
79	Application of infrared thermography to adhesion science. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 589-632.	2.6	49
80	Non-destructive evaluation of aerospace materials with lock-in thermography. <i>Engineering Failure Analysis</i> , 2006, 13, 380-388.	4.0	113
81	Analysis of Composites with Infrared Thermography. <i>Macromolecular Symposia</i> , 2005, 228, 273-286.	0.7	6
82	Application of infrared thermography and geophysical methods for defect detection in architectural structures. <i>Engineering Failure Analysis</i> , 2005, 12, 875-892.	4.0	69
83	On numerical flux evaluation using coupled reconstruction based on entropic redundant variables. <i>International Journal for Numerical Methods in Fluids</i> , 2005, 47, 947-953.	1.6	0
84	Infrared thermography and geophysical techniques in cultural heritage conservation. <i>Quantitative InfraRed Thermography Journal</i> , 2005, 2, 5-24.	4.2	25
85	Using infrared thermography to analyze substrate and adhesive effects in bonded structures. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 617-634.	2.6	11
86	Chemical and Irradiation Cross-Linking of Polyethylene. <i>Technological Performance over Costs. Polymer-Plastics Technology and Engineering</i> , 2004, 43, 631-648.	1.9	9
87	Geometrical Limitations to Detection of Defects in Composites by Means of Infrared Thermography. <i>Journal of Nondestructive Evaluation</i> , 2004, 23, 125-132.	2.4	62
88	The use of infrared thermography for materials characterization. <i>Journal of Materials Processing Technology</i> , 2004, 155-156, 1132-1137.	6.3	79
89	Analysis of stainless steel welded joints: a comparison between destructive and non-destructive techniques. <i>Journal of Materials Processing Technology</i> , 2004, 155-156, 1893-1899.	6.3	24
90	The use of infrared thermography for nondestructive evaluation of joints. <i>Infrared Physics and Technology</i> , 2004, 46, 93-99.	2.9	54

#	ARTICLE	IF	CITATIONS
91	Application of lock-in thermography in nondestructive evaluation of adhesively-bonded aluminum joints. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 635-654.	2.6	10
92	Recent advances in the use of infrared thermography. <i>Measurement Science and Technology</i> , 2004, 15, R27-R58.	2.6	426
93	NONDESTRUCTIVE CONTROL OF POLYETHYLENE BLANKET INSULATION BY MEANS OF LOCK-IN THERMOGRAPHY. <i>Research in Nondestructive Evaluation</i> , 2004, 15, 55-63.	1.1	7
94	Technological characterisation of thermoshinking cross-linked polyethylene by destructive and non-destructive techniques. <i>Journal of Materials Processing Technology</i> , 2003, 133, 353-358.	6.3	7
95	Non-destructive evaluation of bonded structures with lock-in thermography. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 1207-1222.	2.6	15
96	Experimental Evaluation of Properties of Cross-Linked Polyethylene. <i>Materials and Manufacturing Processes</i> , 2003, 18, 135-144.	4.7	18
97	Infrared thermography in the quality assurance of manufacturing systems. <i>Nondestructive Testing and Evaluation</i> , 2002, 18, 83-90.	2.1	18
98	Non-destructive control of industrial materials by means of lock-in thermography. <i>Measurement Science and Technology</i> , 2002, 13, 1583-1590.	2.6	85
99	Comparison between pulsed and modulated thermography in glass-epoxy laminates. <i>NDT and E International</i> , 2002, 35, 287-292.	3.7	79
100	Comparison between thermographic techniques for frescoes NDT. <i>NDT and E International</i> , 2002, 35, 559-565.	3.7	72
101	A survey on infrared thermography for convective heat transfer measurements. <i>Optics and Laser Technology</i> , 2000, 32, 593-610.	4.6	92
102	Analysis of Defective Carbon-Epoxy by Means of Lock-in Thermography. <i>Research in Nondestructive Evaluation</i> , 2000, 12, 241-250.	1.1	16
103	Analysis of Defective Carbon-Epoxy by Means of Lock-in Thermography. <i>Research in Nondestructive Evaluation</i> , 2000, 12, 241-250.	1.1	2
104	Location and Geometry of Defects in Composite Laminates from Infrared Images. <i>Journal of Materials Engineering and Performance</i> , 1998, 7, 367-374.	2.5	19
105	Infrared thermography as a tool for thermal surface flow visualization. <i>Journal of Visualization</i> , 1998, 1, 37-50.	1.8	12
106	On the relation between the entropy balance and the numerical solutions of systems of conservation laws. <i>International Journal for Numerical Methods in Fluids</i> , 1997, 25, 825-845.	1.6	1
107	Influence of shear layer dynamics on impingement heat transfer. <i>Experimental Thermal and Fluid Science</i> , 1996, 13, 29-37.	2.7	47
108	Azimuthal instability in an impinging jet: adiabatic wall temperature distribution. <i>Experiments in Fluids</i> , 1995, 18, 303-310.	2.4	32

#	ARTICLE	IF	CITATIONS
109	Surfactant effects on the dynamics of a thin liquid sheet. <i>Journal of Fluid Mechanics</i> , 1995, 300, 71-85.	3.4	26
110	Modelling of the homogeneous turbulence dynamics of stably stratified media. <i>International Journal of Heat and Mass Transfer</i> , 1993, 36, 1953-1968.	4.8	11
111	Stream-function based multiple Bluff Bodies 2D flow analysis. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1993, 50, 49-60.	3.9	2
112	MULTIDIMENSIONAL SINGLE-STEP VECTOR UPWIND SCHEMES FOR HIGHLY CONVECTIVE TRANSPORT PROBLEMS. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 1993, 23, 425-460.	0.9	21
113	A statistical turbulent reacting flow model. <i>International Journal of Heat and Mass Transfer</i> , 1987, 30, 517-526.	4.8	6
114	On the critical problem of F. D. pressure treatment for laminar flows confined by permeable walls. <i>International Journal for Numerical Methods in Fluids</i> , 1984, 4, 1027-1041.	1.6	2
115	Post-processing of time-sequences acquired during impact tests with the aid of a reference area. , 0, , .		4