

Rosa De Finis

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Influence of Second-Order Effects on Thermoelastic Behaviour in the Proximity of Crack Tips on Titanium. <i>Experimental Mechanics</i> , 2022, 62, 521.	2.0	4
2	Crack tip position evaluation and Paris's law assessment of a propagating crack by means of temperature-based approaches. <i>Procedia Structural Integrity</i> , 2022, 39, 528-545.	0.8	3
3	Infrared Thermography to Study Damage During Static and Cyclic Loading of Composites. <i>Lecture Notes in Civil Engineering</i> , 2021, , 309-318.	0.4	1
4	Study of Damage Behavior of T-Joint Components by Means of Different Non-destructive Techniques. <i>Lecture Notes in Civil Engineering</i> , 2021, , 319-328.	0.4	0
5	Fatigue behaviour assessment of C45 steel by means of energy-based methods. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1038, 012015.	0.6	4
6	Investigation of the plastic zone around the crack tip in small-scale pure Titanium specimens by means of Thermal Signal Analysis and Digital Image Correlation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1038, 012011.	0.6	3
7	On the relationship between mechanical energy rate and heat dissipated rate during fatigue for a C45 steel depending on stress ratio. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2781-2799.	3.4	8
8	Thermoelastic stress analysis as a method for the quantitative non-destructive evaluation of bonded CFRP T-joints. <i>NDT and E International</i> , 2021, 124, 102526.	3.7	5
9	Considerations on the Thermoelastic Effect in proximity of crack tips on Titanium and Aluminium: a new formulation. <i>Procedia Structural Integrity</i> , 2021, 33, 528-543.	0.8	0
10	Assessment of TSA Technique for the Estimation of CFRP T-Joint Debonding. <i>Journal of Nondestructive Evaluation</i> , 2021, 40, 1.	2.4	2
11	An experimental procedure based on infrared thermography for the assessment of crack density in quasi-isotropic CFRP. <i>Engineering Fracture Mechanics</i> , 2021, 258, 108108.	4.3	10
12	Estimation of the Dissipative Heat Sources Related to the Total Energy Input of a CFRP Composite by Using the Second Amplitude Harmonic of the Thermal Signal. <i>Materials</i> , 2020, 13, 2820.	2.9	11
13	Evaluation of damage in composites by using thermoelastic stress analysis: A promising technique to assess the stiffness degradation. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2085-2100.	3.4	18
14	A multianalysis thermography-based approach for fatigue and damage investigations of ASTM A182 F6NM steel at two stress ratios. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 267-283.	3.4	30
15	A Thermoelastic Stress Analysis General Model: Study of the Influence of Biaxial Residual Stress on Aluminium and Titanium. <i>Metals</i> , 2019, 9, 671.	2.3	11
16	Fatigue damage analysis of composite materials using thermography-based techniques. <i>Procedia Structural Integrity</i> , 2019, 18, 781-791.	0.8	12
17	Study of the thermo-elastic stress analysis (TSA) sensitivity in the evaluation of residual stress in non-ferrous metal. , 2019, , .		2
18	Fatigue behaviour assessment of automated fiber placement composites by adopting the thermal signal analysis. , 2019, , .		0

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19	Is the temperature plateau of a self-heating test a robust parameter to investigate the fatigue limit of steels with thermography?. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 917-934.	3.4	21
20	Correlation between Thermal Behaviour of AA5754-H111 during Fatigue Loading and Fatigue Strength at Fixed Number of Cycles. <i>Materials</i> , 2018, 11, 719.	2.9	8
21	Capability of infrared thermography for studying the friction stir welding process. , 2018, , .		1
22	Potentialities of thermal signal analysis approach for a rapid mechanical characterisation of high diffusivity materials. , 2018, , .		1
23	Thermographic signal analysis of friction stir welded AA 5754 H111 joints. , 2018, , .		1
24	Study of damage evolution in composite materials based on the Thermoelastic Phase Analysis (TPA) method. <i>Composites Part B: Engineering</i> , 2017, 117, 49-60.	12.0	40
25	Energetic approach based on IRT to assess plastic behaviour in CT specimens. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
26	Damage monitoring in fracture mechanics by evaluation of the heat dissipated in the cyclic plastic zone ahead of the crack tip with thermal measurements. <i>Engineering Fracture Mechanics</i> , 2017, 181, 65-76.	4.3	41
27	Optimization and Characterization of the Friction Stir Welded Sheets of AA 5754-H111: Monitoring of the Quality of Joints with Thermographic Techniques. <i>Materials</i> , 2017, 10, 1165.	2.9	28
28	Early Detection of Damage Mechanisms in Composites During Fatigue Tests. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 133-141.	0.5	6
29	Fatigue Behaviour of Stainless Steels: A Multi-parametric Approach. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 1-8.	0.5	5
30	Mechanical Behaviour of Stainless Steels under Dynamic Loading: An Investigation with Thermal Methods. <i>Journal of Imaging</i> , 2016, 2, 32.	3.0	20
31	Study of the plastic behavior around the crack tip by means of thermal methods. <i>Procedia Structural Integrity</i> , 2016, 2, 2113-2122.	0.8	8
32	Automatic procedure for evaluating the Paris Law of martensitic and austenitic stainless steels by means of thermal methods. <i>Engineering Fracture Mechanics</i> , 2016, 163, 206-219.	4.3	32
33	A new rapid thermographic method to assess the fatigue limit in GFRP composites. <i>Composites Part B: Engineering</i> , 2016, 103, 60-67.	12.0	67
34	Crack Growth Monitoring in Stainless Steels by Means of TSA Technique. <i>Procedia Engineering</i> , 2015, 109, 89-96.	1.2	13
35	Experimental Study of the Crack Growth in Stainless Steels Using Thermal Methods. <i>Procedia Engineering</i> , 2015, 109, 338-345.	1.2	12
36	Fatigue limit evaluation of various martensitic stainless steels with new robust thermographic data analysis. <i>International Journal of Fatigue</i> , 2015, 74, 88-96.	5.7	79

#	ARTICLE	IF	CITATIONS
37	Fatigue limit evaluation of martensitic steels with thermal methods. , 2014, , .		11