

Janice Dulieu-Barton

List of Publications by Year in descending order

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papers

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687363

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docs citations

34
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Effect of Dielectric Breakdown in UD CFRPs Subjected to Lightning Strike Using an Experimentally Validated Model. <i>Applied Composite Materials</i> , 2022, 29, 1321-1348.	2.5	6
2	Assessment of the heterogeneous microstructure in the vicinity of a weld using thermographic measurements of the full-field dissipative heat source. <i>Strain</i> , 2022, 58, .	2.4	0
3	Application of Imaging Techniques to Determine the Post-Yield Behaviour of the Heterogeneous Microstructure of Friction Stir Welds. <i>Experimental Mechanics</i> , 2021, 61, 1045.	2.0	4
4	The influence of graphene oxide filler on the electrical and thermal properties of unidirectional carbon fiber/epoxy laminates: Effect of out-of-plane alignment of the graphene oxide nanoparticles. <i>Polymer Composites</i> , 2020, 41, 3510-3520.	4.6	29
5	Development of High-Fidelity Imaging Procedures to Establish the Local Material Behavior in Friction Stir Welded Stainless Steel Joints. <i>Metals</i> , 2019, 9, 592.	2.3	4
6	Enhancement of the electrical and thermal properties of unidirectional carbon fibre/epoxy laminates through the addition of graphene oxide. <i>Journal of Materials Science</i> , 2019, 54, 8955-8970.	3.7	64
7	A Methodology for Characterizing the Interfacial Fracture Toughness of Sandwich Structures using High Speed Infrared Thermography. <i>Experimental Mechanics</i> , 2016, 56, 121-132.	2.0	6
8	A Point-wise Approach to the Analysis of Complex Composite Structures Using Digital Image Correlation and Thermoelastic Stress Analysis. <i>Strain</i> , 2015, 51, 311-323.	2.4	4
9	Application of Digital Image Correlation to Address Complex Motions in Thermoelastic Stress Analysis. <i>Strain</i> , 2015, 51, 405-418.	2.4	17
10	The effect of elevated temperatures on the bending behaviour of foam cored sandwich structures. <i>Journal of Composite Materials</i> , 2015, 49, 3809-3822.	2.4	9
11	The Potential for Assessing Residual Stress Using Thermoelastic Stress Analysis: A Study of Cold Expanded Holes. <i>Experimental Mechanics</i> , 2013, 53, 299-317.	2.0	14
12	Assessment of Non-adiabatic Behaviour in Thermoelastic Stress Analysis of Composite Sandwich Panels. <i>Experimental Mechanics</i> , 2012, 52, 829-842.	2.0	6
13	A Methodology for Obtaining Material Properties of Polymeric Foam at Elevated Temperatures. <i>Experimental Mechanics</i> , 2012, 52, 3-15.	2.0	44
14	OS03-1-2 Can Thermoelastic Stress Analysis be Used to Obtain Residual Stresses?. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS03-1-2-.	0.0	0
15	OS03-1-1 Thermoelastic Stress Analysis of Composite Materials and Structures. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS03-1-1-.	0.0	0
16	Assessment of Non-Adiabatic Behaviour in Thermoelastic Stress Analysis of Small Scale Components. <i>Experimental Mechanics</i> , 2010, 50, 449-461.	2.0	36
17	Thermoelastic Stress and Damage Analysis Using Transient Loading. <i>Experimental Mechanics</i> , 2010, 50, 1075-1086.	2.0	14
18	Assessing the Feasibility of Monitoring Strain in Historical Tapestries Using Digital Image Correlation. <i>Strain</i> , 2010, 46, 19-32.	2.4	27

#	ARTICLE	IF	CITATIONS
19	Paint coating characterization for thermoelastic stress analysis of metallic materials. <i>Measurement Science and Technology</i> , 2010, 21, 085502.	2.6	30
20	Damage Localisation in a Stiffened Composite Panel. <i>Strain</i> , 2008, 44, 298-307.	2.4	20
21	Thermoelastic Stress Analysis of Vascular Devices. <i>Strain</i> , 2008, 44, 102-118.	2.4	9
22	Observations during mechanical testing of Nitinol. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2008, 222, 97-105.	2.1	16
23	On the concept of a fully bonded coupon gauge for stress separation from thermoelastic data. <i>Journal of Strain Analysis for Engineering Design</i> , 2008, 43, 507-517.	1.8	0
24	Characterization of local effects at core junctions in sandwich structures using thermoelastic stress analysis. <i>Journal of Strain Analysis for Engineering Design</i> , 2008, 43, 469-492.	1.8	6
25	Thermoelastic assessment of plastic deformation. <i>Journal of Strain Analysis for Engineering Design</i> , 2008, 43, 451-468.	1.8	8
26	On the thermoelastic response of woven composite materials. <i>Journal of Strain Analysis for Engineering Design</i> , 2008, 43, 435-450.	1.8	16
27	Thermoelastic Stress Analysis of Structures Under Natural Vibrations. <i>Experimental Mechanics</i> , 2006, 46, 463-472.	2.0	10
28	Thermoelastic studies on Nitinol stents. <i>Journal of Strain Analysis for Engineering Design</i> , 2006, 41, 481-495.	1.8	16
29	Photoelastic Stress Analysis of a Leaf-spring Eyelet. <i>Strain</i> , 2005, 41, 163-166.	2.4	2
30	Progress in Thermoelastic Residual Stress Measurement. <i>Strain</i> , 2004, 40, 127-133.	2.4	37
31	Determination of Stress Concentration Factors for Holes in Cylinders Using Thermoelastic Stress Analysis. <i>Strain</i> , 2002, 38, 105-118.	2.4	5
32	Development and applications of thermoelastic stress analysis. <i>Journal of Strain Analysis for Engineering Design</i> , 1998, 33, 93-104.	1.8	184