

Janice Dulieu-Barton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7090313/publications.pdf>

Version: 2024-02-01

32
papers

647
citations

687363

13
h-index

580821

25
g-index

34
all docs

34
docs citations

34
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and applications of thermoelastic stress analysis. Journal of Strain Analysis for Engineering Design, 1998, 33, 93-104.	1.8	184
2	Enhancement of the electrical and thermal properties of unidirectional carbon fibre/epoxy laminates through the addition of graphene oxide. Journal of Materials Science, 2019, 54, 8955-8970.	3.7	64
3	A Methodology for Obtaining Material Properties of Polymeric Foam at Elevated Temperatures. Experimental Mechanics, 2012, 52, 3-15.	2.0	44
4	Progress in Thermoelastic Residual Stress Measurement. Strain, 2004, 40, 127-133.	2.4	37
5	Assessment of Non-Adiabatic Behaviour in Thermoelastic Stress Analysis of Small Scale Components. Experimental Mechanics, 2010, 50, 449-461.	2.0	36
6	Paint coating characterization for thermoelastic stress analysis of metallic materials. Measurement Science and Technology, 2010, 21, 085502.	2.6	30
7	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. Polymer Composites, 2020, 41, 3510-3520.	4.6	29
8	Assessing the Feasibility of Monitoring Strain in Historical Tapestries Using Digital Image Correlation. Strain, 2010, 46, 19-32.	2.4	27
9	Damage Localisation in a Stiffened Composite Panel. Strain, 2008, 44, 298-307.	2.4	20
10	Application of Digital Image Correlation to Address Complex Motions in Thermoelastic Stress Analysis. Strain, 2015, 51, 405-418.	2.4	17
11	Thermoelastic studies on Nitinol stents. Journal of Strain Analysis for Engineering Design, 2006, 41, 481-495.	1.8	16
12	Observations during mechanical testing of Nitinol. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 97-105.	2.1	16
13	On the thermoelastic response of woven composite materials. Journal of Strain Analysis for Engineering Design, 2008, 43, 435-450.	1.8	16
14	Thermoelastic Stress and Damage Analysis Using Transient Loading. Experimental Mechanics, 2010, 50, 1075-1086.	2.0	14
15	The Potential for Assessing Residual Stress Using Thermoelastic Stress Analysis: A Study of Cold Expanded Holes. Experimental Mechanics, 2013, 53, 299-317.	2.0	14
16	Thermoelastic Stress Analysis of Structures Under Natural Vibrations. Experimental Mechanics, 2006, 46, 463-472.	2.0	10
17	Thermoelastic Stress Analysis of Vascular Devices. Strain, 2008, 44, 102-118.	2.4	9
18	The effect of elevated temperatures on the bending behaviour of foam cored sandwich structures. Journal of Composite Materials, 2015, 49, 3809-3822.	2.4	9

#	ARTICLE	IF	CITATIONS
19	Thermoelastic assessment of plastic deformation. Journal of Strain Analysis for Engineering Design, 2008, 43, 451-468.	1.8	8
20	Characterization of local effects at core junctions in sandwich structures using thermoelastic stress analysis. Journal of Strain Analysis for Engineering Design, 2008, 43, 469-492.	1.8	6
21	Assessment of Non-adiabatic Behaviour in Thermoelastic Stress Analysis of Composite Sandwich Panels. Experimental Mechanics, 2012, 52, 829-842.	2.0	6
22	A Methodology for Characterizing the Interfacial Fracture Toughness of Sandwich Structures using High Speed Infrared Thermography. Experimental Mechanics, 2016, 56, 121-132.	2.0	6
23	On the Effect of Dielectric Breakdown in UD CFRPs Subjected to Lightning Strike Using an Experimentally Validated Model. Applied Composite Materials, 2022, 29, 1321-1348.	2.5	6
24	Determination of Stress Concentration Factors for Holes in Cylinders Using Thermoelastic Stress Analysis. Strain, 2002, 38, 105-118.	2.4	5
25	A Pointwise Approach to the Analysis of Complex Composite Structures Using Digital Image Correlation and Thermoelastic Stress Analysis. Strain, 2015, 51, 311-323.	2.4	4
26	Development of High-Fidelity Imaging Procedures to Establish the Local Material Behavior in Friction Stir Welded Stainless Steel Joints. Metals, 2019, 9, 592.	2.3	4
27	Application of Imaging Techniques to Determine the Post-Yield Behaviour of the Heterogeneous Microstructure of Friction Stir Welds. Experimental Mechanics, 2021, 61, 1045.	2.0	4
28	Photoelastic Stress Analysis of a Leaf-spring Eyelet. Strain, 2005, 41, 163-166.	2.4	2
29	On the concept of a fully bonded coupon gauge for stress separation from thermoelastic data. Journal of Strain Analysis for Engineering Design, 2008, 43, 507-517.	1.8	0
30	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
31	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
32	Assessment of the heterogeneous microstructure in the vicinity of a weld using thermographic measurements of the full-field dissipative heat source. Strain, 2022, 58, .	2.4	0