

Duncan Camilleri

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

318
citations

11
h-index

17
g-index

50
ext. papers

364
ext. citations

2.1
avg, IF

3.2
L-index

#	Paper	IF	Citations
41	Air damping of high performance resonating micro-mirrors with angular vertical comb-drive actuators. <i>Microsystem Technologies</i> , 2019 , 1	1.7	4
40	Theoretical and finite element analysis of dynamic deformation in resonating micromirrors. <i>Microsystem Technologies</i> , 2018 , 24, 445-455	1.7	3
39	Failure Envelopes for Composite Fiber Reinforced Pipe Elbows Subject to Combined Loading: A Numerical Assessment. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2018 , 140,	1.2	1
38	A Parametric Analysis on Hull Penetration Position and Frame Spacing Leading to Minimal Welding Distortion. <i>Journal of Ship Production and Design</i> , 2018 , 34, 211-225	0.3	
37	The applicability and implementation of the discrete Big Bang-Big Crunch optimisation technique for discontinuous objective function in multi-material laminated composite pressure vessels. <i>International Journal of Pressure Vessels and Piping</i> , 2018 , 168, 39-48	2.4	0
36	Design optimization of a dynamically flat resonating micro-mirror for pico-projection applications. <i>Microsystem Technologies</i> , 2018 , 1	1.7	2
35	Local heat generation and material flow in friction stir welding of mild steel assemblies. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2016 , 230, 586-602	1.3	5
34	Filament Wound Composite Pressure Vessels and Pipes Subject to an Internal Pressure: An Experimental and Material Characterization Study. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2016 , 138,	1.2	11
33	Thermal Stresses and Distortion Developed in Mild Steel DH36 Friction Stir-Welded Plates: An Experimental and Numerical Assessment. <i>Journal of Thermal Stresses</i> , 2015 , 38, 485-508	2.2	12
32	The influence of manufacturing variances on the progressive failure of filament wound cylindrical pressure vessels. <i>Composite Structures</i> , 2015 , 133, 853-862	5.3	14
31	A Progressive Failure Analysis Applied to Fiber-Reinforced Composite Plates Subject to Out-of-Plane Bending. <i>Mechanics of Composite Materials</i> , 2014 , 49, 605-620	1.1	11
30	Introduction: development of computational welding mechanics approach to welding distortion 2014 , 1-13		
29	Fabrication of stiffened thin-plate structures and the problem of welding distortion 2014 , 14-38		1
28	Tools to deal with welding distortion: predictive modelling and research on in-process techniques 2014 , 39-52		
27	Understanding welding distortion: thermal fields thermo-mechanical effects 2014 , 53-76		1
26	Computational simulation of welding distortion: an overview 2014 , 77-101		
25	Experimental investigation of models of welding distortion: methods, results and comparisons 2014 , 102-125		

24	Modelling thermal processes in welding 2014 , 126-155		
23	Computationally efficient methods for modelling welding processes 2014 , 156-176		
22	Finite-element thermo-mechanical techniques for welding distortion prediction 2014 , 177-198		
21	Simulating welding distortion in butt welding of thin plates 2014 , 199-232		
20	Exploiting welding distortion models: examples of design and manufacturing strategies to optimise fabrication 2014 , 265-319		
19	Simulating welding distortion in fillet welding of stiffened plate structures 2014 , 233-264		
18	Design-by-Analysis Methods for Asymmetric or Unbalanced Cylindrical Composite Pressure Vessels 2014 ,		2
17	The applicability of using low transformation temperature welding wire to minimize unwanted residual stresses and distortions. <i>International Journal of Pressure Vessels and Piping</i> , 2013 , 110, 2-8	2.4	11
16	Simplified Thermo-Elastoplastic Numerical Modelling Techniques Applied to Friction Stir Welding of Mild Steel 2013 ,		1
15	Thermo-mechanical behaviour of DBC substrate assemblies subject to soldering fabrication processes. <i>Soldering and Surface Mount Technology</i> , 2012 , 24, 100-111	1.4	9
14	Experimental investigation and finite element analysis of welding induced residual stresses. <i>Journal of Strain Analysis for Engineering Design</i> , 2012 , 47, 140-152	1.3	4
13	Shakedown of a Thick Cylinder With a Radial Crosshole. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2009 , 131,	1.2	6
12	Evaluating Plastic Loads in Torispherical Heads Using a New Criterion of Collapse. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2008 , 130,	1.2	4
11	Design by analysis of ductile failure and buckling in torispherical pressure vessel heads. <i>Thin-Walled Structures</i> , 2008 , 46, 963-974	4.7	12
10	Procedural influences on non-linear distortions in welded thin-plate fabrication. <i>Thin-Walled Structures</i> , 2008 , 46, 1021-1034	4.7	20
9	Gross Plastic Deformation of a Hemispherical Head With Cylindrical Nozzle: A Comparative Study 2007 ,		2
8	Gross Plastic Deformation of Axisymmetric Pressure Vessel Heads. <i>Journal of Strain Analysis for Engineering Design</i> , 2006 , 41, 427-441	1.3	3
7	Alternative simulation techniques for distortion of thin plate due to fillet-welded stiffeners. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2006 , 14, 1307-1327	2	18

6	Thermal Distortion of Stiffened Plate due to Fillet Welds Computational and Experimental Investigation. <i>Journal of Thermal Stresses</i> , 2006 , 29, 111-137	2.2	27
5	Shakedown of a Thick Cylinder With a Radial Crosshole 2006 , 281		
4	Simple thermo-elastic-plastic models for welding distortion simulation. <i>Journal of Materials Processing Technology</i> , 2006 , 176, 77-86	5.3	51
3	Computationally efficient welding distortion simulation techniques. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2005 , 13, 1365-1382	2	25
2	Computational prediction of out-of-plane welding distortion and experimental investigation. <i>Journal of Strain Analysis for Engineering Design</i> , 2005 , 40, 161-176	1.3	48
1	Design Support Tool for Prediction of Welding Distortion in Multiply Stiffened Plate Structures: Experimental and Computational Investigation. <i>Journal of Ship Production</i> , 2005 , 21, 219-234		9