John W H Price

List of Publications by Year in descending order

43 papers	796 citations	516710 16 h-index	526287 27 g-index
45 all docs	45 docs citations	45 times ranked	692 citing authors

#	Article	IF	Citations
1	Hardness, Microstructure, and Residual Stresses in Low Carbon Steel Welding with Post-weld Heat Treatment and Temper Bead Welding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2030-2037.	2.2	21
2	Service loads in dragline tubular structures: a case study of cluster A5. Structural Control and Health Monitoring, 2013, 20, 210-229.	4.0	3
3	Role of Welding Parameters Using the Flux Cored Arc Welding Process of Low Alloy Steels on Bead Geometry and Mechanical Properties. Journal of Materials Engineering and Performance, 2012, 21, 540-547.	2.5	19
4	Evaluation of Residual Stress Measurements Before and After Post-Weld Heat Treatment in the Weld Repairs. Journal of Physics: Conference Series, 2010, 251, 012050.	0.4	2
5	Comparison of Neutron Diffraction Measurements of Residual Stress of Steel Butt Welds With Current Fitness-for-Purpose Assessments. Journal of Pressure Vessel Technology, Transactions of the ASME, 2010, 132, .	0.6	4
6	Influence of variations in geometric parameters and an alternative design for improved fatigue life of a mining dragline joint. Engineering Structures, 2010, 32, 1333-1340.	5.3	10
7	Weld repair practices without post weld heat treatment for ferritic alloys and their consequences on residual stresses: A review. International Journal of Pressure Vessels and Piping, 2010, 87, 127-133.	2.6	42
8	Weld-induced residual stresses in a prototype dragline cluster and comparison with design codes. Thin-Walled Structures, 2010, 48, 89-102.	5.3	16
9	Stress relieving and its effect on life of welded tubular joints. Engineering Failure Analysis, 2010, 17, 320-327.	4.0	21
10	Weld repair procedures of aged components in the refineries and power plants: Kuwait and Australia. Materials at High Temperatures, 2010, 27, 211-217.	1.0	1
11	Comparison of Neutron and Synchrotron Diffraction Measurements of Residual Stress in Bead-on-Plate Weldments. Journal of Pressure Vessel Technology, Transactions of the ASME, 2010, 132, .	0.6	16
12	A comparative study on application of design codes for prediction of fatigue life of a mining dragline cluster. Engineering Failure Analysis, 2009, 16, 1562-1569.	4.0	14
13	Residual stress distribution in steel butt welds measured using neutron and synchrotron diffraction. Journal of Physics Condensed Matter, 2009, 21, 124213.	1.8	24
14	Comparison of experimental and theoretical residual stresses in welds: The issue of gauge volume. International Journal of Mechanical Sciences, 2008, 50, 513-521.	6.7	55
15	A generic asset management framework for optimising maintenance investment decision. Production Planning and Control, 2008, 19, 287-300.	8.8	30
16	Neutron Diffraction Evaluation of Residual Stress for Several Welding Arrangements and Comparison With Fitness-for-Purpose Assessments. Journal of Pressure Vessel Technology, Transactions of the ASME, 2008, 130, .	0.6	4
17	Thermal Shock Cracking: Design and Assessment Guidelines. Journal of Pressure Vessel Technology, Transactions of the ASME, 2007, 129, 125-132.	0.6	7
18	Fracture Resistance of Electropolished Rotary Nickelâ€“Titanium Endodontic Instruments. Journal of Endodontics, 2007, 33, 1212-1216.	3.1	138

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19	Maintenance scheduling to support the operation of manufacturing and production assets. International Journal of Advanced Manufacturing Technology, 2007, 34, 399-405.	3.0	17
20	Optimal maintenance intervals for a multi-component system. Production Planning and Control, 2006, 17, 769-779.	8.8	47
21	Fracture mechanics of mining dragline booms. Engineering Failure Analysis, 2006, 13, 716-725.	4.0	22
22	An acetylene cylinder explosion: A most probable cause analysis. Engineering Failure Analysis, 2006, 13, 705-715.	4.0	17
23	Residual stresses measurement by neutron diffraction and theoretical estimation in a single weld bead. International Journal of Pressure Vessels and Piping, 2006, 83, 381-387.	2.6	39
24	The material property basis of bottle blowing: Stable axisymmetric aneurisms. Journal of Materials Processing Technology, 2006, 178, 76-81.	6.3	0
25	A risk approach to the management of boiler tube thinning. Nuclear Engineering and Design, 2006, 236, 405-414.	1.7	26
26	Residual Stresses Evaluation in Welds and Implications for Design for Pressure Vessel Applications. Journal of Pressure Vessel Technology, Transactions of the ASME, 2006, 128, 638-643.	0.6	8
27	An Approach for Analysing Boiler Tubes Ultrasonic Inspection Data to Support Decision Making. , 2005, , 103.		0
28	The material property basis of bottle blowing and balloons: stable axisymmetric aneurisms. Journal of Materials Processing Technology, 2005, 162-163, 248-253.	6.3	0
29	A neutron diffraction study of residual stress due to welding. Journal of Materials Processing Technology, 2005, 164-165, 1099-1105.	6.3	59
30	Case Study of the Use of API 581 on HK and HP Material Furnace Tubes. Journal of Pressure Vessel Technology, Transactions of the ASME, 2005, 127, 49-54.	0.6	4
31	Potential guidelines for design and fitness for purpose for carbon steel components subject to repeated thermal shock. International Journal of Pressure Vessels and Piping, 2004, 81, 173-180.	2.6	16
32	Using Sâ€“N curves to analyse cracking due to repeated thermal shock. Journal of Materials Processing Technology, 2004, 145, 118-125.	6.3	8
33	Thermal shock cracking guidelines for acceptance in service. Engineering Failure Analysis, 2004, 11, 267-277.	4.0	4
34	A two-stage model for predicting crack growth due to repeated thermal shock. Engineering Fracture Mechanics, 2003, 70, 721-730.	4.3	17
35	Features of fatigue crack growth due to repeated thermal shock. Fatigue and Fracture of Engineering Materials and Structures, 2002, 25, 215-222.	3.4	8
36	Using the ASME and BSI codes to predict crack growth due to repeated thermal shock. International Journal of Pressure Vessels and Piping, 2002, 79, 361-371.	2.6	9

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37	The economics of repeated tube thickness surveys. International Journal of Pressure Vessels and Piping, 2002, 79, 555-559.	2.6	9
38	Experimental apparatus for thermal shock fatigue investigations. International Journal of Pressure Vessels and Piping, 2000, 77, 425-434.	2.6	23
39	Crack growth in aluminium cylinders. International Journal of Pressure Vessels and Piping, 2000, 77, 831-836.	2.6	2
40	A new fuzzy-c-means and assignment technique-based cell formation algorithm to perform part- type clusters and machine-type clusters separately. Production Planning and Control, 1999, 10, 375-388.	8.8	15
41	Elastic analysis of semi-elliptical axial cracks in cylinders under thermal shock using the BS 7910 framework. International Journal of Pressure Vessels and Piping, 1999, 76, 831-837.	2.6	3
42	The failure of the Dartmouth turbine casing. International Journal of Pressure Vessels and Piping, 1998, 75, 559-566.	2.6	7
43	Sustained load crack growth leading to failure in aluminium gas cylinders in traffic. Engineering Failure Analysis, 1997, 4, 259-270.	4.0	4