

# Robert Jh Paynter

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

296  
citations

933447

10  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue and Fracture behaviour of AZ31b Mg alloy plastically deformed by Constrained Groove Pressing in the Presence of Overloads. <i>Procedia Structural Integrity</i> , 2016, 2, 3772-3781.	0.8	12
2	Edge conditions under a bearing load: Use of asymptotic solutions. <i>Journal of Strain Analysis for Engineering Design</i> , 2016, 51, 233-236.	1.8	0
3	Asymptotic analysis of an adhered complete contact between elastically dissimilar materials. <i>Journal of Strain Analysis for Engineering Design</i> , 2014, 49, 607-617.	1.8	6
4	An overview of the quantification of fretting fatigue lives of complete contacts. <i>Engineering Fracture Mechanics</i> , 2012, 80, 3-12.	4.3	13
5	Long term wear of complete contacts subject to fretting. <i>Wear</i> , 2011, 271, 2821-2825.	3.1	2
6	The effect of wear on nucleation of cracks at the edge of an almost complete contact. <i>Wear</i> , 2010, 268, 900-904.	3.1	5
7	Determining the coefficient of friction between solids without sliding. <i>Wear</i> , 2010, 269, 339-343.	3.1	3
8	Separation and slip at the edge of a complete contact: An asymptotic solution. <i>International Journal of Solids and Structures</i> , 2010, 47, 2613-2619.	2.7	4
9	Optical methods for measurement of fatigue crack closure: moiré interferometry and digital image correlation. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2010, 33, 778-790.	3.4	29
10	Residual stress measurement by deep hole drilling and trepanning "analysis with distributed dislocations. <i>Journal of Strain Analysis for Engineering Design</i> , 2009, 44, 45-54.	1.8	12
11	Features of the stress field at the surface of a flush shrink-fit shaft. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2009, 223, 2241-2247.	2.1	7
12	The effect of path cut on Somigliana ring dislocations in a half-space. <i>International Journal of Solids and Structures</i> , 2009, 46, 412-432.	2.7	14
13	Simulation of Fretting Wear in Halfplane Geometries: Part 1 "The Solution for Long Term Wear. <i>Journal of Tribology</i> , 2009, 131, .	1.9	34
14	The state of stress induced by ring dislocations in a semi-infinite stepped shaft. <i>European Journal of Mechanics, A/Solids</i> , 2008, 27, 269-284.	3.7	1
15	The effect of path cut on Somigliana ring dislocation elastic fields. <i>International Journal of Solids and Structures</i> , 2007, 44, 6653-6677.	2.7	26
16	A comparison of two and three-dimensional analyses of fatigue crack closure. <i>International Journal of Fatigue</i> , 2007, 29, 222-231.	5.7	57
17	The penny crack beneath the surface of a half-space: with application to the blister test. <i>International Journal of Fracture</i> , 2007, 142, 173-182.	2.2	11
18	Improved Influence Functions For Uniform Triangular Dislocation Density Functions. <i>Journal of Strain Analysis for Engineering Design</i> , 2005, 40, 729-733.	1.8	1

#	ARTICLE	IF	CITATIONS
19	The Use of a Second Harmonic Correlation to Detect Damage in Composite Structures Using Thermoelastic Stress Measurements. <i>Strain</i> , 2003, 39, 73-78.	2.4	37
20	Design, Fatigue Test and NDE of a Sectional Wind Turbine Rotor Blade. <i>Journal of Thermoplastic Composite Materials</i> , 2002, 15, 267-277.	4.2	22