Robert Jh Paynter

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4098577/publications.pdf

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20	296	933447 10	888059 17
papers	citations	h-index	g-index

20	20	20	237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparison of two and three-dimensional analyses of fatigue crack closure. International Journal of Fatigue, 2007, 29, 222-231.	5.7	57
2	The Use of a Second Harmonic Correlation to Detect Damage in Composite Structures Using Thermoelastic Stress Measurements. Strain, 2003, 39, 73-78.	2.4	37
3	Simulation of Fretting Wear in Halfplane Geometries: Part 1â€"The Solution for Long Term Wear. Journal of Tribology, 2009, 131, .	1.9	34
4	Optical methods for measurement of fatigue crack closure: moirÃ© interferometry and digital image correlation. Fatigue and Fracture of Engineering Materials and Structures, 2010, 33, 778-790.	3.4	29
5	The effect of path cut on Somigliana ring dislocation elastic fields. International Journal of Solids and Structures, 2007, 44, 6653-6677.	2.7	26
6	Design, Fatigue Test and NDE of a Sectional Wind Turbine Rotor Blade. Journal of Thermoplastic Composite Materials, 2002, 15, 267-277.	4.2	22
7	The effect of path cut on Somigliana ring dislocations in a half-space. International Journal of Solids and Structures, 2009, 46, 412-432.	2.7	14
8	An overview of the quantification of fretting fatigue lives of complete contacts. Engineering Fracture Mechanics, 2012, 80, 3-12.	4.3	13
9	Residual stress measurement by deep hole drilling and trepanning â€“ analysis with distributed dislocations. Journal of Strain Analysis for Engineering Design, 2009, 44, 45-54.	1.8	12
10	Fatigue and Fracture behaviour of AZ31b Mg alloy plastically deformed by Constrained Groove Pressing in the Presence of Overloads. Procedia Structural Integrity, 2016, 2, 3772-3781.	0.8	12
11	The penny crack beneath the surface of a half-space: with application to the blister test. International Journal of Fracture, 2007, 142, 173-182.	2.2	11
12	Features of the stress field at the surface of a flush shrink-fit shaft. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2009, 223, 2241-2247.	2.1	7
13	Asymptotic analysis of an adhered complete contact between elastically dissimilar materials. Journal of Strain Analysis for Engineering Design, 2014, 49, 607-617.	1.8	6
14	The effect of wear on nucleation of cracks at the edge of an almost complete contact. Wear, 2010, 268, 900-904.	3.1	5
15	Separation and slip at the edge of a complete contact: An asymptotic solution. International Journal of Solids and Structures, 2010, 47, 2613-2619.	2.7	4
16	Determining the coefficient of friction between solids without sliding. Wear, 2010, 269, 339-343.	3.1	3
17	Long term wear of complete contacts subject to fretting. Wear, 2011, 271, 2821-2825.	3.1	2
18	Improved Influence Functions For Uniform Triangular Dislocation Density Functions. Journal of Strain Analysis for Engineering Design, 2005, 40, 729-733.	1.8	1

#	Article	IF	Citations
19	The state of stress induced by ring dislocations in a semi-infinite stepped shaft. European Journal of Mechanics, A/Solids, 2008, 27, 269-284.	3.7	1
20	Edge conditions under a bearing load: Use of asymptotic solutions. Journal of Strain Analysis for Engineering Design, 2016, 51, 233-236.	1.8	0