

Amir Reza Shahani

List of Publications by Year in descending order

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papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mode III stress intensity factors for edge-cracked circular shafts, bonded wedges, bonded half planes and DCBâ€™s. International Journal of Solids and Structures, 2003, 40, 6567-6576.	2.7	29
2	Effect of residual stress redistribution and weld reinforcement geometry on fatigue crack growth of butt welded joints. International Journal of Fatigue, 2020, 139, 105780.	5.7	28
3	Closed form stress intensity factors for a semi-elliptical crack in a thick-walled cylinder under thermal stress. International Journal of Fatigue, 2006, 28, 926-933.	5.7	27
4	Computation of mixed mode stress intensity factors in a four-point bend specimen. Applied Mathematical Modelling, 2008, 32, 1281-1288.	4.2	27
5	Some problems in the antiplane shear deformation of bi-material wedges. International Journal of Solids and Structures, 2005, 42, 3093-3113.	2.7	26
6	Experimental evaluation of the effect of preload on the fatigue life of bolts. International Journal of Steel Structures, 2015, 15, 693-701.	1.3	25
7	A unified model for the fatigue crack growth rate in variable stress ratio. Fatigue and Fracture of Engineering Materials and Structures, 2009, 32, 105-118.	3.4	21
8	Assessment of equivalent initial flaw size estimation methods in fatigue life prediction using compact tension specimen tests. Engineering Fracture Mechanics, 2013, 99, 48-61.	4.3	19
9	Analysis of wear in deep-drawing process of a cylindrical cup. Journal of Materials Processing Technology, 2008, 200, 451-459.	6.3	16
10	Analytical Solution of the Coupled Thermo-Elasticity Problem in a Pressurized Sphere. Journal of Thermal Stresses, 2013, 36, 1283-1307.	2.0	16
11	The effect of adherent thickness on fatigue life of adhesively bonded joints. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 561-571.	3.4	16
12	Fatigue crack growth of butt welded joints subjected to mixed mode loading and overloading. Engineering Fracture Mechanics, 2021, 241, 107376.	4.3	14
13	Determination of the thermal stress wave propagation in orthotropic hollow cylinder based on classical theory of thermoelasticity. Continuum Mechanics and Thermodynamics, 2018, 30, 509-527.	2.2	13
14	Damage tolerance and classic fatigue life prediction of a helicopter main rotor blade. Meccanica, 2016, 51, 1869-1886.	2.0	11
15	On the determination of the critical J-integral in rubber-like materials by the single specimen test method. Engineering Fracture Mechanics, 2017, 184, 101-120.	4.3	11
16	Two engineering models for predicting the retardation of fatigue crack growth caused by mixed mode overload. International Journal of Fatigue, 2020, 132, 105378.	5.7	11
17	Thermal stress intensity factors for a cracked cylinder under transient thermal loading. International Journal of Pressure Vessels and Piping, 2009, 86, 153-163.	2.6	10
18	Calculation of stress intensity factors for a longitudinal semi-elliptical crack in a finite-length thick-walled cylinder. Fatigue and Fracture of Engineering Materials and Structures, 2008, 31, 85-94.	3.4	9

#	ARTICLE	IF	CITATIONS
19	Finite element simulation of dynamic crack propagation process using an arbitrary Lagrangian Eulerian formulation. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 533-547.	3.4	8
20	Experimental evaluation of fatigue behaviour of thin Al5456 welded joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 965-977.	3.4	8
21	The crack propagation path for a system of surface and subsurface cracks and their interactions due to rolling contact fatigue. <i>Acta Mechanica</i> , 2020, 231, 1751-1764.	2.1	8
22	Experimental Investigation and Finite Element Analysis of Fatigue Crack Growth in Pipes Containing a Circumferential Semi-elliptical Crack Subjected to Bending. <i>Experimental Mechanics</i> , 2010, 50, 563-573.	2.0	6
23	Investigation on the mechanical properties and fracture toughness of graphite. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2015, 38, 1209-1218.	3.4	6
24	Analysis of bonded finite wedges with an interfacial crack under antiplane shear loading. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2009, 223, 2213-2223.	2.1	5
25	Non-symmetrical plane contact of a wedge indenter. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2007, 221, 1233-1239.	2.1	4
26	Analytical modelling of dynamic fracture and crack arrest in DCB specimens under fixed displacement conditions. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2010, 33, 436-451.	3.4	4
27	Investigation of Heat Source Models and Process Factors on Temperature and Residual Stress in GTAW of Aluminum Plates. <i>Russian Journal of Non-Ferrous Metals</i> , 2019, 60, 450-462.	0.6	4
28	Study of the effective parameters on welding residual stress relaxation in aluminum cylindrical shells under cyclic pressure. <i>Thin-Walled Structures</i> , 2019, 143, 106235.	5.3	4
29	Fatigue crack growth of Al 5083-H111 subjected to mixed-mode loading. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	4
30	An improvement to the single specimen test method for fracture characterization of elastomer materials using DENT specimen. <i>Polymer Testing</i> , 2020, 87, 106435.	4.8	4
31	Fatigue crack growth analysis of a reinforced cylindrical shell under random loading. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2014, 37, 1197-1210.	3.4	3
32	Analysis of bonded anisotropic wedges with interface crack under anti-plane shear loading. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014, 35, 637-654.	3.6	2
33	Development of a two-scale damage model for incorporating the fatigue crack nucleation from surface inclusions. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 109, 102754.	4.7	0