

Amir Reza Shahani

List of Publications by Year in descending order

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papers

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759233

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33
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue crack growth of butt welded joints subjected to mixed mode loading and overloading. <i>Engineering Fracture Mechanics</i> , 2021, 241, 107376.	4.3	14
2	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
3	Two engineering models for predicting the retardation of fatigue crack growth caused by mixed mode overload. <i>International Journal of Fatigue</i> , 2020, 132, 105378.	5.7	11
4	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
5	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
6	Effect of residual stress redistribution and weld reinforcement geometry on fatigue crack growth of butt welded joints. <i>International Journal of Fatigue</i> , 2020, 139, 105780.	5.7	28
7	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
8	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
9	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
10	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
11	The effect of adherent thickness on fatigue life of adhesively bonded joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 561-571.	3.4	16
12	Determination of the thermal stress wave propagation in orthotropic hollow cylinder based on classical theory of thermoelasticity. <i>Continuum Mechanics and Thermodynamics</i> , 2018, 30, 509-527.	2.2	13
13	On the determination of the critical J-integral in rubber-like materials by the single specimen test method. <i>Engineering Fracture Mechanics</i> , 2017, 184, 101-120.	4.3	11
14	Damage tolerance and classic fatigue life prediction of a helicopter main rotor blade. <i>Meccanica</i> , 2016, 51, 1869-1886.	2.0	11
15	Experimental evaluation of the effect of preload on the fatigue life of bolts. <i>International Journal of Steel Structures</i> , 2015, 15, 693-701.	1.3	25
16	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
17	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
18	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

#	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	Analytical Solution of the Coupled Thermo-Elasticity Problem in a Pressurized Sphere. <i>Journal of Thermal Stresses</i> , 2013, 36, 1283-1307.	2.0	16
21	Assessment of equivalent initial flaw size estimation methods in fatigue life prediction using compact tension specimen tests. <i>Engineering Fracture Mechanics</i> , 2013, 99, 48-61.	4.3	19
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	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
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	A unified model for the fatigue crack growth rate in variable stress ratio. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2009, 32, 105-118.	3.4	21
26	Thermal stress intensity factors for a cracked cylinder under transient thermal loading. <i>International Journal of Pressure Vessels and Piping</i> , 2009, 86, 153-163.	2.6	10
27	Analysis of wear in deep-drawing process of a cylindrical cup. <i>Journal of Materials Processing Technology</i> , 2008, 200, 451-459.	6.3	16
28	Computation of mixed mode stress intensity factors in a four-point bend specimen. <i>Applied Mathematical Modelling</i> , 2008, 32, 1281-1288.	4.2	27
29	Calculation of stress intensity factors for a longitudinal semi-elliptical crack in a finite-length thick-walled cylinder. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2008, 31, 85-94.	3.4	9
30	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
31	Closed form stress intensity factors for a semi-elliptical crack in a thick-walled cylinder under thermal stress. <i>International Journal of Fatigue</i> , 2006, 28, 926-933.	5.7	27
32	Some problems in the antiplane shear deformation of bi-material wedges. <i>International Journal of Solids and Structures</i> , 2005, 42, 3093-3113.	2.7	26
33	Mode III stress intensity factors for edge-cracked circular shafts, bonded wedges, bonded half planes and DCB TM s. <i>International Journal of Solids and Structures</i> , 2003, 40, 6567-6576.	2.7	29