

# Ahmed Al-mukhtar

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

230  
citations

1163117

8  
h-index

1199594

12  
g-index

31  
all docs

31  
docs citations

31  
times ranked

78  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Some Parameters for Fatigue Life in Welded Joints Using Fracture Mechanics Method. Journal of Materials Engineering and Performance, 2010, 19, 1225-1234.	2.5	29
2	Comparison of the Stress Intensity Factor of Load-Carrying Cruciform Welded Joints with Different Geometries. Journal of Materials Engineering and Performance, 2010, 19, 802-809.	2.5	23
3	Review of Resistance Spot Welding Sheets: Processes and Failure Mode. Advanced Engineering Forum, 0, 17, 31-57.	0.3	19
4	Simulation of the Crack Propagation in Rocks Using Fracture Mechanics Approach. Journal of Failure Analysis and Prevention, 2015, 15, 90-100.	0.9	18
5	Residual Stresses and Stress Intensity Factor Calculations in T-Welded Joints. Journal of Failure Analysis and Prevention, 2013, 13, 619-623.	0.9	17
6	The Effect of Weld Profile and Geometries of Butt Weld Joints on Fatigue Life Under Cyclic Tensile Loading. Journal of Materials Engineering and Performance, 2011, 20, 1385-1391.	2.5	15
7	The Spot Weldability of Carbon Steel Sheet. Advances in Materials Science and Engineering, 2013, 2013, 1-6.	1.8	15
8	Investigation of the Thickness Effect on the Fatigue Strength Calculation. Journal of Failure Analysis and Prevention, 2013, 13, 63-71.	0.9	12
9	Consideration of the residual stress distributions in fatigue crack growth calculations for assessing welded steel joints. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 1352-1361.	3.4	12
10	Experimental and Analytical Study of the Hyperelastic Behavior of the Hydrogel under Unconfined Compression. Procedia Structural Integrity, 2020, 25, 3-7.	0.8	8
11	Fracturing in HDR Geothermal System. Advanced Engineering Forum, 0, 20, 57-60.	0.3	7
12	Failure Mechanisms and Modeling of Spot Welded Joints in Low Carbon Mild Sheets Steel and High Strength Low Alloy Steel. Procedia Structural Integrity, 2018, 9, 71-85.	0.8	7
13	Case Studies of Aircraft Fuselage Cracking. Advanced Engineering Forum, 0, 33, 11-18.	0.3	7
14	Cracking Phenomenon in Spot Welded Joints of Austenitic Stainless Steel. Materials Sciences and Applications, 2013, 04, 656-662.	0.4	7
15	Mixed-Mode Crack Propagation in Cruciform Joint using Franc2D. Journal of Failure Analysis and Prevention, 2016, 16, 326-332.	0.9	6
16	Effect of Heat Treatments on 302 Austenitic Stainless Steel Spot Weld. Advanced Engineering Forum, 2018, 29, 19-25.	0.3	4
17	Numerical study of the natural fracture using dual porosity-dual permeability model for Rumaila Field, southern Iraq. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	4
18	Fracturing Parameters in Petroleum Reservoirs and Simulation. Lecture Notes in Mechanical Engineering, 2020, , 491-498.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Aircraft Fuselage Cracking and Simulation. <i>Procedia Structural Integrity</i> , 2020, 28, 124-131.	0.8	4
20	Experimental investigation of the effects of infusing a foam into hydrogels on the hyperelastic coefficients. <i>Material Design and Processing Communications</i> , 2020, 3, e180.	0.9	3
21	Fracture Mechanism in Human Teeth. <i>Procedia Structural Integrity</i> , 2020, 25, 8-12.	0.8	3
22	Spot Welding Joint's Fracture Behavior and Fundamental. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 18-27.	0.4	3
23	Performance of the Subsurface Hydraulics in a Doublet System Using the ThermoGIS Calculator. <i>Journal of Geography and Geology</i> , 2014, 6, .	0.4	2
24	Crack simulation in human teeth. <i>Material Design and Processing Communications</i> , 2021, 3, e200.	0.9	1
25	Investigate the Effect of Different Kinds of Discontinuous Fibers on the Mechanical Properties of Epoxy Matrix Composite Materials. <i>Engineering and Technology Journal</i> , 2018, 36, .	0.7	0