

# Jafar Albinmousa

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Application of cyclic plasticity to fatigue modeling. , 2022, , 357-395.		1
2	Characterizing Cohesive Zone Parameters to Model Crack Growth in Composite Materials. , 2022, , .		0
3	Electrochemical Corrosion Resistance of Mg Alloy ZK60 in Different Planes with Respect to Extrusion Direction. Metals, 2022, 12, 782.	1.0	6
4	Evaluation of residual stress in thick metallic coatings using the combination of hole drilling and micro-indentation methods. Journal of Materials Research and Technology, 2022, 20, 867-881.	2.6	7
5	Analyzing quasi-static fracture of notched magnesium ZK60 using notch fracture toughness and support vector machine. Theoretical and Applied Fracture Mechanics, 2022, 121, 103463.	2.1	2
6	Influence of Friction Stir Processing on Wear, Corrosion, and Fracture Toughness Behavior of 2507 Super Duplex Stainless Steel. Journal of Materials Engineering and Performance, 2021, 30, 89-102.	1.2	6
7	Fatigue crack growth behavior of friction stir processed super duplex stainless steels (SAF- 2507). Materials Today Communications, 2021, 26, 101937.	0.9	8
8	Experimental characterization and theoretical prediction of quasi-static fracture behavior of notched ZK60-5%Mg samples. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1484-1497.	1.7	2
9	Fatigue crack growth in laser-treated adhesively bonded composite joints: An experimental examination. International Journal of Adhesion and Adhesives, 2021, 105, 102784.	1.4	14
10	Estimation of Mode I Fracture of U-Notched Polycarbonate Specimens Using the Equivalent Material Concept and Strain Energy Density. Applied Sciences (Switzerland), 2021, 11, 3370.	1.3	4
11	Multiaxial low-cycle-fatigue of stainless steel 410 alloy under proportional and non-proportional loading. International Journal of Pressure Vessels and Piping, 2021, 192, 104393.	1.2	8
12	Analysis of crack initiation and propagation in Thermal Barrier Coatings using SEM-Based geometrical model with extended finite element method. Ceramics International, 2021, 47, 33140-33151.	2.3	17
13	Friction Stir Processing Influence on Microstructure, Mechanical, and Corrosion Behavior of Steels: A Review. Materials, 2021, 14, 5023.	1.3	19
14	Polar damage sum concept for constant amplitude proportional and nonproportional multiaxial fatigue analysis. Forces in Mechanics, 2021, 4, 100025.	1.3	9
15	Fatigue Failure Prediction of U-Notched ZK60 Magnesium Samples Using the Strain Energy Density Approach. Metals, 2021, 11, 113.	1.0	4
16	Fatigue of V-notched ZK60 magnesium samples: X-ray damage evolution characterization and failure prediction. International Journal of Fatigue, 2020, 139, 105734.	2.8	12
17	Influence of Friction Stir Processing on Mechanical Behavior of 2507 SDSS. Metals, 2020, 10, 369.	1.0	10
18	Strain-controlled fatigue and fracture of AISI 410 stainless steel. Engineering Failure Analysis, 2019, 106, 104166.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Multiaxial fatigue of extruded ZK60 magnesium alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2276-2289.	1.7	14
20	Effect of phase angle on the cyclic behavior of AISI 410 alloy. <i>MATEC Web of Conferences</i> , 2019, 300, 12002.	0.1	1
21	Analysis of the Fatigue Damage Behavior of AW2099-T83 Al-Li Alloy under Strain-Controlled Fatigue. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 487-506.	0.5	0
22	A method for assessing critical plane-based multiaxial fatigue damage models. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 235-245.	1.7	14
23	Shear fatigue behavior of AW2099-T83 aluminum-lithium alloy. <i>International Journal of Fatigue</i> , 2018, 117, 101-110.	2.8	8
24	On the application of polar representation for investigating high and low cycle fatigue of metals. <i>International Journal of Fatigue</i> , 2017, 100, 639-649.	2.8	6
25	Modeling Multiaxial Fatigue Damage Using Polar Equations. , 2017, , .		0
26	Investigation on multiaxial fatigue crack path using polar stress-strain representation. <i>International Journal of Fatigue</i> , 2016, 92, 406-414.	2.8	10
27	Investigation on parametric representation of proportional and nonproportional multiaxial fatigue responses. <i>Frattura Ed Integrita Strutturale</i> , 2016, 10, 94-100.	0.5	3
28	Multiaxial fatigue crack path prediction using critical plane concept. <i>Frattura Ed Integrita Strutturale</i> , 2016, 10, 182-186.	0.5	0
29	Multiaxial behaviour of wrought magnesium alloys – A review and suitability of energy-based fatigue life model. <i>Theoretical and Applied Fracture Mechanics</i> , 2014, 73, 97-108.	2.1	44
30	Multiaxial effects on LCF behaviour and fatigue failure of AZ31B magnesium extrusion. <i>International Journal of Fatigue</i> , 2014, 67, 103-116.	2.8	56
31	A model for calculating geometry factors for a mixed-mode II single edge notched tension specimen. <i>Engineering Fracture Mechanics</i> , 2011, 78, 3300-3307.	2.0	19
32	Cyclic behaviour of wrought magnesium alloy under multiaxial load. <i>International Journal of Fatigue</i> , 2011, 33, 1127-1139.	2.8	60
33	Cyclic axial and cyclic torsional behaviour of extruded AZ31B magnesium alloy. <i>International Journal of Fatigue</i> , 2011, 33, 1403-1416.	2.8	70
34	A Continuum-Based Cyclic Plasticity Model for AZ31B Magnesium Alloy under Proportional loading. <i>Procedia Engineering</i> , 2011, 10, 1366-1371.	1.2	8
35	Monotonic and Fatigue Behavior of Magnesium Extrusion Alloy AM30: An International Benchmark Test in the “Magnesium Front End Research and Development Project”, 2010, , .		4
36	Experimental and Numerical Determination of Mixed Mode Crack Extension Angle. <i>Journal of Testing and Evaluation</i> , 2009, 37, 95-107.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Fatigue of Magnesium-Based Materials. , 0, , .		2