Jafar Albinmousa

List of Publications by Year in descending order

37 papers	456 citations	840119 11 h-index	752256 20 g-index
37 all docs	37 docs citations	37 times ranked	237 citing authors

#	Article	IF	Citations
1	Cyclic axial and cyclic torsional behaviour of extruded AZ31B magnesium alloy. International Journal of Fatigue, 2011, 33, 1403-1416.	2.8	70
2	Cyclic behaviour of wrought magnesium alloy under multiaxial load. International Journal of Fatigue, 2011, 33, 1127-1139.	2.8	60
3	Multiaxial effects on LCF behaviour and fatigue failure of AZ31B magnesium extrusion. International Journal of Fatigue, 2014, 67, 103-116.	2.8	56
4	Multiaxial behaviour of wrought magnesium alloys â€“ A review and suitability of energy-based fatigue life model. Theoretical and Applied Fracture Mechanics, 2014, 73, 97-108.	2.1	44
5	A model for calculating geometry factors for a mixed-mode Iâ€“II single edge notched tension specimen. Engineering Fracture Mechanics, 2011, 78, 3300-3307.	2.0	19
6	Friction Stir Processing Influence on Microstructure, Mechanical, and Corrosion Behavior of Steels: A Review. Materials, 2021, 14, 5023.	1.3	19
7	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
8	A method for assessing critical planeâ€based multiaxial fatigue damage models. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 235-245.	1.7	14
9	Multiaxial fatigue of extruded ZK60 magnesium alloy. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2276-2289.	1.7	14
10	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
11	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
12	Investigation on multiaxial fatigue crack path using polar stressâ€“strain representation. International Journal of Fatigue, 2016, 92, 406-414.	2.8	10
13	Influence of Friction Stir Processing on Mechanical Behavior of 2507 SDSS. Metals, 2020, 10, 369.	1.0	10
14	Polar damage sum concept for constant amplitude proportional and nonproportional multiaxial fatigue analysis. Forces in Mechanics, 2021, 4, 100025.	1.3	9
15	A Continuum-Based Cyclic Plasticity Model for AZ31B Magnesium Alloy under Proportional loading. Procedia Engineering, 2011, 10, 1366-1371.	1.2	8
16	Shear fatigue behavior of AW2099-T83 aluminum-lithium alloy. International Journal of Fatigue, 2018, 117, 101-110.	2.8	8
17	Fatigue crack growth behavior of friction stir processed super duplex stainless steels (SAF- 2507). Materials Today Communications, 2021, 26, 101937.	0.9	8
18	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

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19	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
20	On the application of polar representation for investigating high and low cycle fatigue of metals. International Journal of Fatigue, 2017, 100, 639-649.	2.8	6
21	Strain-controlled fatigue and fracture of AISI 410 stainless steel. Engineering Failure Analysis, 2019, 106, 104166.	1.8	6
22	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
23	Electrochemical Corrosion Resistance of Mg Alloy ZK60 in Different Planes with Respect to Extrusion Direction. Metals, 2022, 12, 782.	1.0	6
24	Monotonic and Fatigue Behavior of Magnesium Extrusion Alloy AM30: An International Benchmark Test in the â€œMagnesium Front End Research and Development Projectâ€•, 2010, , .		4
25	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
26	Fatigue Failure Prediction of U-Notched ZK60 Magnesium Samples Using the Strain Energy Density Approach. Metals, 2021, 11, 113.	1.0	4
27	Investigation on parametric representation of proportional and nonproportional multiaxial fatigue responses. Frattura Ed Integrita Strutturale, 2016, 10, 94-100.	0.5	3
28	Experimental characterization and theoretical prediction of quasiâ€static fracture behavior of notched ZK60â€T5â€‰Mg samples. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1484-1497.	1.7	2
29	Experimental and Numerical Determination of Mixed Mode Crack Extension Angle. Journal of Testing and Evaluation, 2009, 37, 95-107.	0.4	2
30	Fatigue of Magnesium-Based Materials. , 0, , .		2
31	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
32	Effect of phase angle on the cyclic behavior of AISI 410 alloy. MATEC Web of Conferences, 2019, 300, 12002.	0.1	1
33	Application of cyclic plasticity to fatigue modeling. , 2022, , 357-395.		1
34	Modeling Multiaxial Fatigue Damage Using Polar Equations. , 2017, , .		0
35	Multiaxial fatigue crack path prediction using critical plane concept. Frattura Ed Integrita Strutturale, 2016, 10, 182-186.	0.5	0
36	Analysis of the Fatigue Damage Behavior of AW2099-T83 Al-Li Alloy under Strain-Controlled Fatigue. Frattura Ed Integrita Strutturale, 2019, 13, 487-506.	0.5	0

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37	Characterizing Cohesive Zone Parameters to Model Crack Growth in Composite Materials. , 2022, , .		0