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An experimental study on cyclic deformation and fatigue of extruded ZK60 magnesium alloy

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#	Paper	IF	Citations
83	Effect of strain ratio on cyclic deformation and fatigue of extruded AZ61A magnesium alloy. <i>International Journal of Fatigue</i> , 2012 , 44, 225-233	5	39
82	Lap shear strength and fatigue life of friction stir spot welded AZ31 magnesium and 5754 aluminum alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 556, 500-509	5.3	80
81	Improvement of fatigue strength of a MgZnZr alloy by integrated extrusion and equal-channel angular pressing. <i>Scripta Materialia</i> , 2012 , 67, 209-212	5.6	34
80	Cyclic deformation behavior of a super-vacuum die cast magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 546, 72-81	5.3	47
79	Microstructure and Fatigue Properties of a Friction Stir Lap Welded Magnesium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 3732-3746	2.3	34
78	Friction Stir Welded AZ31 Magnesium Alloy: Microstructure, Texture, and Tensile Properties. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 323-336	2.3	63
77	Uniaxial ratcheting and fatigue failure behaviors of hot-rolled AZ31B magnesium alloy under asymmetrical cyclic stress-controlled loadings. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 573, 234-244	5.3	79
76	Investigation of uniaxial low-cycle fatigue failure behavior of hot-rolled AZ91 magnesium alloy. <i>International Journal of Fatigue</i> , 2013 , 48, 122-132	5	91
75	Loading history effect on fatigue crack growth of extruded AZ31B magnesium alloy. <i>Engineering Fracture Mechanics</i> , 2013 , 114, 42-54	4.2	19
74	Low-cycle fatigue behaviors of hot-rolled AZ91 magnesium alloy under asymmetrical stress-controlled cyclic loadings. <i>Journal of Alloys and Compounds</i> , 2013 , 579, 540-548	5.7	44
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72	Lap shear strength and fatigue behavior of friction stir spot welded dissimilar magnesium-to-aluminum joints with adhesive. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 562, 53-60	5.3	81
71	Low cycle fatigue of a rare-earth containing extruded magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 575, 65-73	5.3	74
70	Cyclic deformation and fatigue of extruded MgCuZn magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 561, 403-410	5.3	40
69	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	3.7	33
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67	Influence of Nd in Extruded Mg10Gd Base Alloys on Fatigue Strength. <i>Materials Science Forum</i> , 2014 , 783-786, 419-424	0.4	3

66	Ambient Compression–Compression Fatigue Behavior of Magnesium Single Crystal. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 41-46	2.3	2
65	Low cycle fatigue and mechanical properties of magnesium alloy Mg ₉₂ Zn ₇ Y _{0.6} Ce _{0.6} Zr at different temperatures. <i>Materials & Design</i> , 2014 , 59, 287-295		18
64	Temperature evolution mechanism of AZ31B magnesium alloy during high-cycle fatigue process. <i>Theoretical and Applied Fracture Mechanics</i> , 2014 , 70, 30-38	3.7	17
63	An experimental study of cyclic plastic deformation of extruded ZK60 magnesium alloy under uniaxial loading at room temperature. <i>International Journal of Plasticity</i> , 2014 , 53, 107-124	7.6	96
62	Cyclic deformation and fatigue of extruded ZK60 magnesium alloy with aging effects. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 615, 262-272	5.3	35
61	Low cycle fatigue of an extruded Mg ₉₃ Nd _{0.2} Zn _{0.5} Zr magnesium alloy. <i>Materials & Design</i> , 2014 , 64, 63-73		26
60	Texture Development in a Friction Stir Lap-Welded AZ31B Magnesium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 4333-4349	2.3	17
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50	Crystal plasticity modeling of damage accumulation in dissimilar Mg alloy bi-crystals under high-cycle fatigue. <i>International Journal of Fatigue</i> , 2016 , 90, 99-108	5	3
49	High cycle fatigue behavior of extruded and double-aged Mg-6Zn-1Mn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 662, 1-8	5.3	11

48	Low cycle fatigue behavior of the extruded AZ80 magnesium alloy under different strain amplitudes and strain rates. <i>Journal of Magnesium and Alloys</i> , 2016 , 4, 181-187	8.8	15
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46	Cyclic deformation and fatigue of rolled AZ80 magnesium alloy along different material orientations. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 677, 58-67	5.3	42
45	Damage morphology study of high cycle fatigued as-cast Mg β .0Nd β .2ZnZr (wt.%) alloy. <i>Materials Characterization</i> , 2016 , 111, 93-105	3.9	12
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43	Characteristic cyclic plastic deformation in ZK60 magnesium alloy. <i>International Journal of Plasticity</i> , 2017 , 91, 25-47	7.6	47
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37	Pre-compression effect on microstructure evolution of extruded pure polycrystalline magnesium during reversed tension load. <i>Materials Characterization</i> , 2017 , 134, 41-48	3.9	16
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35	Effect of initial texture on fatigue properties of extruded ZK60 magnesium alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018 , 41, 1504-1513	3	9
34	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	3	11
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