

# Jixi Zhang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18  
papers

1,036  
citations

15  
h-index

18  
g-index

18  
ext. papers

1,134  
ext. citations

5.3  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
18	Corrosion fatigue crack growth of AISI 4340 steel. <i>International Journal of Fatigue</i> , <b>2013</b> , 48, 156-164	5	36
17	Effect of strain ratio on cyclic deformation and fatigue of extruded AZ61A magnesium alloy. <i>International Journal of Fatigue</i> , <b>2012</b> , 44, 225-233	5	39
16	An experimental study on cyclic deformation and fatigue of extruded ZK60 magnesium alloy. <i>International Journal of Fatigue</i> , <b>2012</b> , 36, 47-58	5	75
15	An experimental study of cyclic deformation of extruded AZ61A magnesium alloy. <i>International Journal of Plasticity</i> , <b>2011</b> , 27, 768-787	7.6	110
14	Stress-Corrosion Cracking of AISI 4340 Steel in Aqueous Environments. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2011</b> , 42, 434-447	2.3	10
13	Effect of Loading History on Stress Corrosion Cracking of 7075-T651 Aluminum Alloy in Saline Aqueous Environment. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2011</b> , 42, 448-460	2.3	8
12	Multiaxial fatigue of extruded AZ61A magnesium alloy. <i>International Journal of Fatigue</i> , <b>2011</b> , 33, 437-447	5.7	74
11	Fatigue damage development in pure polycrystalline magnesium under cyclic tension-compression loading. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2011</b> , 528, 7816-7826	5.3	65
10	Direct observation of twinning-detwinning- $\beta$ -twinning on magnesium single crystal subjected to strain-controlled cyclic tension-compression in [0 0 1] direction. <i>Philosophical Magazine Letters</i> , <b>2011</b> , 91, 757-765	1	108
9	Effect of strain amplitude on tension-compression fatigue behavior of extruded Mg6Al1ZnA magnesium alloy. <i>Scripta Materialia</i> , <b>2010</b> , 62, 778-781	5.6	71
8	Benchmark experiments and characteristic cyclic plasticity deformation. <i>International Journal of Plasticity</i> , <b>2008</b> , 24, 1481-1515	7.6	156
7	A study of fatigue crack growth of 7075-T651 aluminum alloy. <i>International Journal of Fatigue</i> , <b>2008</b> , 30, 1169-1180	5	89
6	Constitutive modeling of cyclic plasticity deformation of a pure polycrystalline copper. <i>International Journal of Plasticity</i> , <b>2008</b> , 24, 1890-1915	7.6	74
5	An experimental study of the formation of typical dislocation patterns in polycrystalline copper under cyclic shear. <i>Acta Materialia</i> , <b>2007</b> , 55, 1831-1842	8.4	10
4	Fatigue of polycrystalline copper with different grain sizes and texture. <i>International Journal of Plasticity</i> , <b>2006</b> , 22, 536-556	7.6	31
3	An experimental study of inhomogeneous cyclic plastic deformation of 1045 steel under multiaxial cyclic loading. <i>International Journal of Plasticity</i> , <b>2005</b> , 21, 2174-2190	7.6	17
2	An experimental investigation on cyclic plastic deformation and substructures of polycrystalline copper. <i>International Journal of Plasticity</i> , <b>2005</b> , 21, 2191-2211	7.6	45

- 1 A Study of Inhomogeneous Plastic Deformation of 1045 Steel. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **2004**, 126, 164-171 1.8 18