

Jixi Zhang

List of Publications by Citations

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18
papers

1,036
citations

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h-index

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g-index

18
ext. papers

1,134
ext. citations

5.3
avg, IF

4.36
L-index

#	Paper	IF	Citations
18	Benchmark experiments and characteristic cyclic plasticity deformation. <i>International Journal of Plasticity</i> , 2008 , 24, 1481-1515	7.6	156
17	An experimental study of cyclic deformation of extruded AZ61A magnesium alloy. <i>International Journal of Plasticity</i> , 2011 , 27, 768-787	7.6	110
16	Direct observation of twinning detwinning etwinning on magnesium single crystal subjected to strain-controlled cyclic tension compression in [0 0 1] direction. <i>Philosophical Magazine Letters</i> , 2011 , 91, 757-765	1	108
15	A study of fatigue crack growth of 7075-T651 aluminum alloy. <i>International Journal of Fatigue</i> , 2008 , 30, 1169-1180	5	89
14	An experimental study on cyclic deformation and fatigue of extruded ZK60 magnesium alloy. <i>International Journal of Fatigue</i> , 2012 , 36, 47-58	5	75
13	Multiaxial fatigue of extruded AZ61A magnesium alloy. <i>International Journal of Fatigue</i> , 2011 , 33, 437-447	5	74
12	Constitutive modeling of cyclic plasticity deformation of a pure polycrystalline copper. <i>International Journal of Plasticity</i> , 2008 , 24, 1890-1915	7.6	74
11	Effect of strain amplitude on tension compression fatigue behavior of extruded Mg6Al1ZnA magnesium alloy. <i>Scripta Materialia</i> , 2010 , 62, 778-781	5.6	71
10	Fatigue damage development in pure polycrystalline magnesium under cyclic tension compression loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 7816-7826	5.3	65
9	An experimental investigation on cyclic plastic deformation and substructures of polycrystalline copper. <i>International Journal of Plasticity</i> , 2005 , 21, 2191-2211	7.6	45
8	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
7	Corrosion fatigue crack growth of AISI 4340 steel. <i>International Journal of Fatigue</i> , 2013 , 48, 156-164	5	36
6	Fatigue of polycrystalline copper with different grain sizes and texture. <i>International Journal of Plasticity</i> , 2006 , 22, 536-556	7.6	31
5	A Study of Inhomogeneous Plastic Deformation of 1045 Steel. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2004 , 126, 164-171	1.8	18
4	An experimental study of inhomogeneous cyclic plastic deformation of 1045 steel under multiaxial cyclic loading. <i>International Journal of Plasticity</i> , 2005 , 21, 2174-2190	7.6	17
3	Stress-Corrosion Cracking of AISI 4340 Steel in Aqueous Environments. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 434-447	2.3	10
2	An experimental study of the formation of typical dislocation patterns in polycrystalline copper under cyclic shear. <i>Acta Materialia</i> , 2007 , 55, 1831-1842	8.4	10

- 1 Effect of Loading History on Stress Corrosion Cracking of 7075-T651 Aluminum Alloy in Saline Aqueous Environment. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2011**, 42, 448-460 2.3 8