

# Jixi Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11944013/publications.pdf>

Version: 2024-02-01

18  
papers

1,250  
citations

566801

15  
h-index

839053

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmark experiments and characteristic cyclic plasticity deformation. International Journal of Plasticity, 2008, 24, 1481-1515.	4.1	192
2	Direct observation of twinningâ€“detwinningâ€“retwinning on magnesium single crystal subjected to strain-controlled cyclic tensionâ€“compression in [0â€“0â€“1] direction. Philosophical Magazine Letters, 2011, 91, 757-765.	0.5	131
3	An experimental study of cyclic deformation of extruded AZ61A magnesium alloy. International Journal of Plasticity, 2011, 27, 768-787.	4.1	127
4	A study of fatigue crack growth of 7075-T651 aluminum alloy. International Journal of Fatigue, 2008, 30, 1169-1180.	2.8	112
5	Multiaxial fatigue of extruded AZ61A magnesium alloy. International Journal of Fatigue, 2011, 33, 437-447.	2.8	91
6	An experimental study on cyclic deformation and fatigue of extruded ZK60 magnesium alloy. International Journal of Fatigue, 2012, 36, 47-58.	2.8	87
7	Constitutive modeling of cyclic plasticity deformation of a pure polycrystalline copper. International Journal of Plasticity, 2008, 24, 1890-1915.	4.1	86
8	Effect of strain amplitude on tensionâ€“compression fatigue behavior of extruded Mg6Al1ZnA magnesium alloy. Scripta Materialia, 2010, 62, 778-781.	2.6	77
9	Fatigue damage development in pure polycrystalline magnesium under cyclic tensionâ€“compression loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7816-7826.	2.6	74
10	An experimental investigation on cyclic plastic deformation and substructures of polycrystalline copper. International Journal of Plasticity, 2005, 21, 2191-2211.	4.1	58
11	Corrosion fatigue crack growth of AISI 4340 steel. International Journal of Fatigue, 2013, 48, 156-164.	2.8	47
12	Effect of strain ratio on cyclic deformation and fatigue of extruded AZ61A magnesium alloy. International Journal of Fatigue, 2012, 44, 225-233.	2.8	43
13	Fatigue of polycrystalline copper with different grain sizes and texture. International Journal of Plasticity, 2006, 22, 536-556.	4.1	36
14	A Study of Inhomogeneous Plastic Deformation of 1045 Steel. Journal of Engineering Materials and Technology, Transactions of the ASME, 2004, 126, 164-171.	0.8	24
15	An experimental study of inhomogeneous cyclic plastic deformation of 1045 steel under multiaxial cyclic loading. International Journal of Plasticity, 2005, 21, 2174-2190.	4.1	23
16	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.	1.1	15
17	An experimental study of the formation of typical dislocation patterns in polycrystalline copper under cyclic shear. Acta Materialia, 2007, 55, 1831-1842.	3.8	14
18	Stress-Corrosion Cracking of AISI 4340 Steel in Aqueous Environments. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 434-447.	1.1	13