

Jie Sun

List of Publications by Year in descending order

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Version: 2024-02-01

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9
times ranked

216
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ investigation on the microstructure evolution and plasticity of two magnesium alloys during three-point bending. International Journal of Plasticity, 2015, 72, 218-232.	4.1	92
2	Towards high ductility in magnesium alloys - The role of intergranular deformation. International Journal of Plasticity, 2019, 123, 121-132.	4.1	76
3	A study of fatigue damage development in extruded Mg-Gd-Y magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 589, 209-216.	2.6	40
4	Asymmetry strain hardening behavior in Mg-3%Al-1%Zn and Mg-8%Gd-3%Y alloy tubes. Materials Letters, 2013, 107, 197-201.	1.3	29
5	A combined electron backscattered diffraction and visco-plastic self-consistent analysis on the anisotropic deformation behavior in a Mg-Gd-Y alloy. Materials and Design, 2017, 122, 164-171.	3.3	27
6	Microscopic deformation compatibility during monotonic loading in a Mg-Gd-Y alloy. Materials Characterization, 2016, 119, 195-199.	1.9	17
7	Effects of initial {10-12} twins on cyclic deformation and fatigue of magnesium alloy at low strain amplitudes. Materials Characterization, 2019, 149, 118-123.	1.9	17
8	Investigation of the Wear Behavior of Surface Welding AZ91 and AZ91+Gd Alloys under Variable Loading Conditions. Crystals, 2021, 11, 554.	1.0	4
9	Study of the Effect of Grain-Boundary Misorientation on Slip Transfer in Magnesium Alloy Using a Misorientation Distribution Map. Crystals, 2022, 12, 388.	1.0	3