

Martin Lentz

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

423
citations

1039406

9
h-index

1473754

9
g-index

10
all docs

10
docs citations

10
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	A modified processing route for high strength Al-Mg-Si aluminum conductors based on twin-roll cast strip. <i>Journal of Materials Processing Technology</i> , 2020, 278, 116463.	3.1	14
2	Elevated Temperature Effects on the Plastic Anisotropy of an Extruded Mg-4 Wt Pct Li Alloy: Experiments and Polycrystal Modeling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 446-458.	1.1	39
3	Characterization of second-phase particles in two aluminium foil alloys. <i>Journal of Alloys and Compounds</i> , 2016, 660, 276-288.	2.8	37
4	In situ X-ray diffraction and crystal plasticity modeling of the deformation behavior of extruded Mg-Li (Al) alloys: An uncommon tension-compression asymmetry. <i>Acta Materialia</i> , 2015, 86, 254-268.	3.8	123
5	Effect of age hardening on the deformation behavior of an Mg-Y-Nd alloy: In-situ X-ray diffraction and crystal plasticity modeling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 628, 396-409.	2.6	76
6	Analysis of the Deformation Behavior of Magnesium-Rare Earth Alloys Mg-2 Mn-1 Rare Earth and Mg-5 Y-4 Rare Earth by In Situ Energy-Dispersive X-ray Synchrotron Diffraction and Elasto-Plastic Self-Consistent Modeling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 5721-5735.	1.1	33
7	Grain Size Effects on Primary, Secondary, and Tertiary Twin Development in Mg-4wt Li (-1wt Al) Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 4737-4741.	1.1	30
8	Analyses of deformation twinning in the extruded magnesium alloy AZ31 after compressive and cyclic loading. <i>Journal of Materials Science</i> , 2011, 46, 938-950.	1.7	28
9	Fatigue properties of the hot extruded magnesium alloy AZ31. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5514-5521.	2.6	37
10	Through Process Microchemistry Effects on the Properties of 8xxx Sheet. <i>Materials Science Forum</i> , 0, 706-709, 323-328.	0.3	6