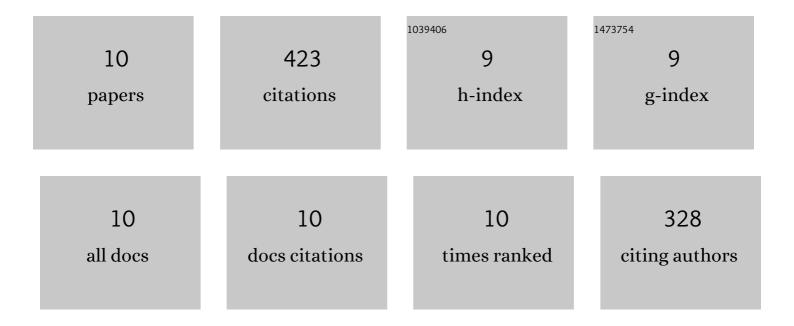
## Martin Lentz

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1585697/publications.pdf Version: 2024-02-01



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