

# Tsuyoshi Mayama

## List of Publications by Year in descending order

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Version: 2024-02-01

8  
papers

335  
citations

1478505

6  
h-index

1588992

8  
g-index

8  
all docs

8  
docs citations

8  
times ranked

382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale mechanical characterization of 601 nickel-based superalloy fabricated using wire-arc additive manufacturing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 836, 142734.	5.6	4
2	Generalized Slip Operation Factor Considering Contribution of Secondary Slip Systems. <i>Materials Today Communications</i> , 2021, 26, 102041.	1.9	3
3	Extended ductility due to kink band formation and growth under tensile loading in single crystals of Mg-Zn-Y alloy with 18R-LPSO structure. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1384-1393.	5.5	24
4	Superior energy absorption in porous magnesium: Contribution of texture development triggered by intra-granular misorientations. <i>Acta Materialia</i> , 2019, 165, 62-72.	7.9	11
5	Strain-hardening behavior and microstructure development in polycrystalline as-cast Mg-Zn-Y alloys with LPSO phase subjected to cyclic loading. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 672, 49-58.	5.6	17
6	Crystal plasticity analysis of texture development in magnesium alloy during extrusion. <i>International Journal of Plasticity</i> , 2011, 27, 1916-1935.	8.8	193
7	Geometrically necessary dislocation structure organization in FCC bicrystal subjected to cyclic plasticity. <i>International Journal of Plasticity</i> , 2009, 25, 2122-2140.	8.8	23
8	Quantitative evaluations for strain amplitude dependent organization of dislocation structures due to cyclic plasticity in austenitic stainless steel 316L. <i>Acta Materialia</i> , 2008, 56, 2735-2743.	7.9	60