Tingting Liu

List of Publications by Year
in descending order

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20 papers	941 citations	687363 13 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	938 citing authors

#	Article	IF	Citations
1	Role of Al in the Solution Strengthening of Mgâ€“Al Binary Alloys. Metals, 2022, 12, 84.	2.3	6
2	Effect of Mn Addition on Melt Purification and Fe Tolerance in Mg Alloys. Jom, 2021, 73, 892-902.	1.9	24
3	Revealing the Texture Evolution and Compressive Anisotropy in Free-End Twisted AZ31 Rods. Journal of Materials Engineering and Performance, 2021, 30, 1157-1166.	2.5	3
4	Study on the effects of manganese on the grain structure and mechanical properties of Mg-0.5Ce alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 821, 141567.	5.6	11
5	Electrocatalytic Oxygen Evolution Reaction in Acidic Conditions: Recent Progress and Perspectives. ChemSusChem, 2021, 14, 4636-4657.	6.8	28
6	Nanostructured Metal Borides for Energyâ€Related Electrocatalysis: Recent Progress, Challenges, and Perspectives. Small Methods, 2021, 5, e2100699.	8.6	47
7	Deformation Behavior and Dynamic Recrystallization of Mg-1Li-1Al Alloy. Metals, 2021, 11, 1696.	2.3	3
8	Achieving High Yield Strength and Ductility in As-Extruded Mg-0.5Sr Alloy by High Mnâ€“Alloying. Materials, 2020, 13, 4176.	2.9	7
9	Ionothermal Route to Phase-Pure RuB₂ Catalysts for Efficient Oxygen Evolution and Water Splitting in Acidic Media. ACS Energy Letters, 2020, 5, 2909-2915.	17.4	116
10	Transitionâ€Metal Phosphides: Activity Origin, Energyâ€Related Electrocatalysis Applications, and Synthetic Strategies. Advanced Functional Materials, 2020, 30, 2004009.	14.9	309
11	Stability of twins in Mg alloys â€“ A short review. Journal of Magnesium and Alloys, 2020, 8, 66-77.	11.9	70
12	Influence of Wavy Bending on Microstructure and Mechanical Properties of a Rolled AZ31 Sheet. Metals, 2020, 10, 173.	2.3	5
13	Versatile Route To Fabricate Precious-Metal Phosphide Electrocatalyst for Acid-Stable Hydrogen Oxidation and Evolution Reactions. ACS Applied Materials & Interfaces, 2020, 12, 11737-11744.	8.0	37
14	Dynamic Recrystallization and Grain Refinement in Extruded AZ31 Rod During Hot Torsion Deformation at 150ÂÂ°C. Metals and Materials International, 2019, 25, 147-158.	3.4	20
15	Influence of Torsion on Precipitation and Hardening Effects during Aging of an Extruded AZ91 Alloy. Journal of Materials Engineering and Performance, 2019, 28, 4403-4414.	2.5	6
16	Benchmarking Three Ruthenium Phosphide Phases for Electrocatalysis of the Hydrogen Evolution Reaction: Experimental and Theoretical Insights. Chemistry - A European Journal, 2019, 25, 7826-7830.	3.3	42
17	Effects of Mn addition on the microstructures, mechanical properties and work-hardening of Mg-1Sn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 754, 778-785.	5.6	75
18	Ru₂P Nanoparticle Decorated P/N-Doped Carbon Nanofibers on Carbon Cloth as a Robust Hierarchical Electrocatalyst with Platinum-Comparable Activity toward Hydrogen Evolution. ACS Applied Energy Materials, 2018, 1, 3143-3150.	5.1	49

#	Article	IF	Citations
19	Influence of Torsion Route on the Microstructure and Mechanical Properties of Extruded AZ31 Rods. Advanced Engineering Materials, 2017, 19, 1700267.	3.5	14
20	Effect of Sc addition on the work-hardening behavior of ZK60 magnesium alloy. Materials & Design, 2013, 43, 572-577.	5.1	69