

Tingting Liu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

941
citations

687363

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794594

19
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all docs

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docs citations

20
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition-Metal Phosphides: Activity Origin, Energy-Related Electrocatalysis Applications, and Synthetic Strategies. <i>Advanced Functional Materials</i> , 2020, 30, 2004009.	14.9	309
2	Ionothermal Route to Phase-Pure RuB ₂ Catalysts for Efficient Oxygen Evolution and Water Splitting in Acidic Media. <i>ACS Energy Letters</i> , 2020, 5, 2909-2915.	17.4	116
3	Effects of Mn addition on the microstructures, mechanical properties and work-hardening of Mg-1Sn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 778-785.	5.6	75
4	Stability of twins in Mg alloys – A short review. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 66-77.	11.9	70
5	Effect of Sc addition on the work-hardening behavior of ZK60 magnesium alloy. <i>Materials & Design</i> , 2013, 43, 572-577.	5.1	69
6	Ru ₂ P Nanoparticle Decorated P/N-Doped Carbon Nanofibers on Carbon Cloth as a Robust Hierarchical Electrocatalyst with Platinum-Comparable Activity toward Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2018, 1, 3143-3150.	5.1	49
7	Nanostructured Metal Borides for Energy-Related Electrocatalysis: Recent Progress, Challenges, and Perspectives. <i>Small Methods</i> , 2021, 5, e2100699.	8.6	47
8	Benchmarking Three Ruthenium Phosphide Phases for Electrocatalysis of the Hydrogen Evolution Reaction: Experimental and Theoretical Insights. <i>Chemistry - A European Journal</i> , 2019, 25, 7826-7830.	3.3	42
9	Versatile Route To Fabricate Precious-Metal Phosphide Electrocatalyst for Acid-Stable Hydrogen Oxidation and Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11737-11744.	8.0	37
10	Electrocatalytic Oxygen Evolution Reaction in Acidic Conditions: Recent Progress and Perspectives. <i>ChemSusChem</i> , 2021, 14, 4636-4657.	6.8	28
11	Effect of Mn Addition on Melt Purification and Fe Tolerance in Mg Alloys. <i>Jom</i> , 2021, 73, 892-902.	1.9	24
12	Dynamic Recrystallization and Grain Refinement in Extruded AZ31 Rod During Hot Torsion Deformation at 150°C. <i>Metals and Materials International</i> , 2019, 25, 147-158.	3.4	20
13	Influence of Torsion Route on the Microstructure and Mechanical Properties of Extruded AZ31 Rods. <i>Advanced Engineering Materials</i> , 2017, 19, 1700267.	3.5	14
14	Study on the effects of manganese on the grain structure and mechanical properties of Mg-0.5Ce alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 821, 141567.	5.6	11
15	Achieving High Yield Strength and Ductility in As-Extruded Mg-0.5Sr Alloy by High Mn Alloying. <i>Materials</i> , 2020, 13, 4176.	2.9	7
16	Influence of Torsion on Precipitation and Hardening Effects during Aging of an Extruded AZ91 Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 4403-4414.	2.5	6
17	Role of Al in the Solution Strengthening of Mg-Al Binary Alloys. <i>Metals</i> , 2022, 12, 84.	2.3	6
18	Influence of Wavy Bending on Microstructure and Mechanical Properties of a Rolled AZ31 Sheet. <i>Metals</i> , 2020, 10, 173.	2.3	5

#	ARTICLE	IF	CITATIONS
19	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
20	Deformation Behavior and Dynamic Recrystallization of Mg-1Li-1Al Alloy. Metals, 2021, 11, 1696.	2.3	3