

Yingchun Wan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

121
citations

5
h-index

10
g-index

21
ext. papers

225
ext. citations

4
avg, IF

3.01
L-index

#	Paper	IF	Citations
20	Effect of yttrium on nanocrystallization of magnesium alloys during cold rotary swaging. <i>Materials Characterization</i> , 2022 , 184, 111696	3.9	0
19	Achieving high-strength nanocrystalline WE43 Mg alloy by a combination of cold rotary swaging and aging treatment. <i>Vacuum</i> , 2022 , 197, 110840	3.7	1
18	Nanocrystallization of the cast AZ31 Mg alloy by low-strain rotary swaging. <i>Materials Letters</i> , 2022 , 307, 130995	3.3	1
17	Stress-accelerated softening in bulk nanocrystalline Mg-Gd-Y-Zr alloys. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164347	5.7	
16	Deformation Mechanism, Microstructure, and Mechanical Properties Evolution of Mg-Gd-Y-Zr Alloy during Cold Torsion. <i>Materials</i> , 2021 , 14,	3.5	2
15	Grain Refinement Mechanisms in Gradient Nanostructured AZ31B Mg Alloy Prepared via Rotary Swaging. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021 , 52, 4053-4065	2.3	7
14	Strengthening the Mg ₇₀ Zn alloy through the formation of nanoscale lamellar structures and nanograins. <i>Journal of Alloys and Compounds</i> , 2021 , 886, 161148	5.7	3
13	Dislocation arrays, precipitate bands and free zones in forged Mg-Gd-Y-Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 775, 138789	5.3	5
12	Bulk nanocrystalline high-strength magnesium alloys prepared via rotary swaging. <i>Acta Materialia</i> , 2020 , 200, 274-286	8.4	43
11	Strengthening against {101 $\bar{1}$ 2} twinning by discontinuous and continuous precipitate in a strongly textured Mg-9Al alloy. <i>Materials Characterization</i> , 2020 , 167, 110523	3.9	5
10	Enhanced Mechanical and Corrosion Performance by Forming Micro Shear Bands in Cold Forged Mg-Gd-Y-Zr Alloy. <i>Materials</i> , 2020 , 13,	3.5	3
9	Dislocations-induced precipitates and their effect on mechanical properties of Mg-Gd-Y-Zr alloy. <i>Journal of Magnesium and Alloys</i> , 2019 , 7, 414-418	8.8	25
8	Age-hardening and age-softening in nanocrystalline Mg-Gd-Y-Zr alloy. <i>Materials Characterization</i> , 2019 , 156, 109841	3.9	9
7	Influence of Heat Treatment on Microstructures and Impact Toughness of Mg-Al-Zn Alloy. <i>Jom</i> , 2019 , 71, 2874-2883	2.1	3
6	Improving the Ductility of Mg ₇₀ Zr Alloy through Extrusion and a Following Rolling. <i>Advanced Engineering Materials</i> , 2018 , 20, 1701041	3.5	4
5	Manufacturing high-performance Mg alloy through hot extrusion. <i>Materials and Manufacturing Processes</i> , 2018 , 33, 863-866	4.1	6
4	Effect of Dy and Nd on ZK10 alloy processed by hot extrusion. <i>Materials and Manufacturing Processes</i> , 2017 , 32, 1360-1362	4.1	4

3	Nanocrystallization of Mg-Y-Zn Alloy Containing Long-Period Stacking-Ordered Phase during Cold Rotary Swaging. <i>Journal of Materials Engineering and Performance</i> ,1	1.6	o
2	Loading Mode Dependence of $\{10\bar{1}2\}$ Twin Variant Selection in a Rolled Mg-Al-Zn Alloy. <i>Journal of Materials Engineering and Performance</i> ,1	1.6	
1	Fabrication of Nanocrystalline High-Strength Magnesium-Lithium Alloy by Rotary Swaging. <i>Advanced Engineering Materials</i> ,2100666	3.5	o