Jinshan Zhang

List of Publications by Year
in descending order

41	734	471509 17	552781 26
papers	citations	h-index	g-index

41	41	41	358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Sr on the microstructure and corrosion properties of the as-cast Mgâ€“Znâ€“Zr alloy. International Journal of Materials Research, 2022, 113, 194-204.	0.3	0
2	Microstructure and mechanical properties of Mgâ€“Znâ€“Yâ€“Mn magnesium alloys with different Zn/Y atomic ratio. Journal of Materials Research and Technology, 2022, 19, 1650-1657.	5.8	14
3	Effect of Microalloyed Al on Microstructure and Corrosion Behaviors of Asâ€Cast Mgâ€“Znâ€“Yâ€“Mn Alloys. Advanced Engineering Materials, 2021, 23, .	3.5	5
4	Effects of 14H LPSO phase on the dynamic recrystallization and work hardening behaviors of an extruded Mgâ€“Znâ€“Yâ€“Mn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140727.	5.6	32
5	Research of the microstructure, mechanical property and corrosion behaviours of Mgâ€“Yâ€“Znâ€“Mn(â€“Mo) alloy with solution treatment. Corrosion Engineering Science and Technology, 2021, 56, 427-438.	1.4	1
6	Hot deformation behavior and workfability of the homogenized Mg-5.8Zn-1.2Yâ€“1Mn alloy containing I and W phases. Journal of Materials Research and Technology, 2021, 15, 2202-2212.	5.8	10
7	Effect of Alloyed Mo on Mechanical Properties, Biocorrosion and Cytocompatibility of As-Cast Mgâ€“Znâ€“Yâ€“Mn Alloys. Acta Metallurgica Sinica (English Letters), 2020, 33, 500-513.	2.9	33
8	Modification of Mn on corrosion and mechanical behavior of biodegradable Mg88Y4Zn2Li5 alloy with long-period stacking ordered structure. Journal of Materials Science and Technology, 2020, 42, 130-142.	10.7	9
9	Research on Dynamic Corrosion Behavior and the Microstructure of Biomedical Mgâ€“Yâ€“Znâ€“Zrâ€“Sr in Simulated Body Fluid Solution after Processing by Solution Treatment. Advanced Engineering Materials, 2020, 22, 1901146.	3.5	9
10	Dynamic precipitation behavior and mechanical properties of hot-extruded Mg89Y4Zn2Li5 alloys with different extrusion ratio and speed. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 798, 140121.	5.6	17
11	Enhanced Performance of Mgâ€“Znâ€“Yâ€“Mn Alloy via Minor Ca Addition. Advanced Engineering Materials, 2019, 21, 1900908.	3.5	4
12	Influence of Ni Alloying on the Precipitation of Quasicrystal Phase in Asâ€Cast Mg 96.5 Zn 1 Y 1.5 Mn 1 Alloy. Advanced Engineering Materials, 2019, 21, 1801238.	3.5	3
13	Influence of micro-alloying with Cd on growth pattern, mechanical properties and microstructure of as-cast Mg94Y2.5Zn2.5Mn1 alloy containing LPSO structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 748, 294-300.	5.6	17
14	Synergistic Effects of B₄C and Sn on the Coupled Growth Pattern and Mechanical Properties of Mgâ€“Yâ€“Znâ€“Mn Alloy Containing LPSO and W Phases. Advanced Engineering Materials, 2018, 20, 1800131.	3.5	5
15	Microstructure and properties of SiC/Gr composite reinforced aluminum matrix composites material. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 171-176.	1.0	1
16	Optimum parameters and kinetic analysis for hot working of a solution-treated Mg-Zn-Y-Mn magnesium alloy. Journal of Alloys and Compounds, 2018, 754, 283-296.	5.5	39
17	Corrosion Behaviors of Longâ€Period Stacking Ordered Structure in Mg Alloys Used in Biomaterials: A Review. Advanced Engineering Materials, 2018, 20, 1800017.	3.5	18
18	Effect of ZRB2-modified on microstructure and mechanical properties of Mg-Zn-Y-Mn alloy. Journal of Magnesium and Alloys, 2018, 6, 255-262.	11.9	8

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19	Microstructures and biocorrosion properties of biodegradable Mgâ€“Znâ€“Yâ€“Caâ€“xZr alloys. International Journal of Materials Research, 2018, 109, 621-628.	0.3	3
20	High-strength Mg₉₅Y₃Zn₁Ni₁ alloy with LPSO structure processed by hot rolling. Materials and Manufacturing Processes, 2017, 32, 62-68.	4.7	13
21	Two dynamic recrystallization processes in a high-performance extruded Mg94.5Y2Gd1Zn2Mn0.5 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 690, 132-136.	5.6	28
22	Effects of Phase Content and Evolution on the Mechanical Properties of Mg₉₅Y_{2.5}Zn_{2.5} and Mg_{93.1}Y_{2.5}Zn_{2.5}Ti_{1.6}Zr_{0.3} Alloys Containing LPSO and W Phases. Advanced Engineering Materials, 2017, 19, 1700185.	3.5	3
23	Effect of Ti and Zr Combined Modification on Microstructures and Mechanical Properties of Mg₉₅Y_{2.5}Zn_{2.5} Alloy Containing LPSO and W Phases. Advanced Engineering Materials, 2017, 19, 1600839.	3.5	9
24	Extensive dynamic recrystallized grains at kink boundary of 14H LPSO phase in extruded Mg92Gd3Zn1Li4 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 681, 97-102.	5.6	34
25	The influence of minor boron on the precipitation behavior of LPSO phase and dynamic recrystallization in the Mg94Y2.5Zn2.5Mn1 alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 705, 257-264.	5.6	17
26	Precipitation behaviors of 14H LPSO lamellae in Mg96Gd3Zn0.5Ni0.5 alloys during severe plastic deformation. Journal of Materials Science, 2017, 52, 13271-13283.	3.7	23
27	Effects of Li on Microstructures, Mechanical, and Biocorrosion Properties of Biodegradable Mg_{94â€x}Zn₂Y₄Li_x Alloys with Long Period Stacking Ordered Phase. Advanced Engineering Materials, 2017, 19, 1600606.	3.5	19
28	Effect of microalloying with boron on the microstructure and mechanical properties of Mgâ€“Znâ€“Yâ€“Mn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 669, 340-343.	5.6	30
29	High-performance extruded Mg89Y4Zn2Li5 alloy with deformed LPSO structures plus fine dynamical recrystallized grains. Materials and Design, 2016, 110, 1-9.	7.0	36
30	Microstructure characterization and indentation hardness testing behavior of Mg-8Sn-xAl-1Zn alloys. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 1043-1048.	1.0	2
31	Effects of Ti addition on the microstructure and mechanical properties of Mgâ€“Znâ€“Zrâ€“Ca alloys. Journal of Magnesium and Alloys, 2015, 3, 121-126.	11.9	19
32	Microstructure Evolution and Mechanical Properties of Long Period Stacking Ordered Mg96Gd3Ni1 Alloy with Al and Sr Additions. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2710-2717.	2.2	4
33	A high strength and good ductility Mgâ€“Yâ€“Niâ€“Tl alloy with long period stacking ordered structure processed by hot rolling and aging treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 648, 134-139.	5.6	30
34	Effects of Ca on the formation of LPSO phase and mechanical properties of Mg-Zn-Y-Mn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 648, 37-40.	5.6	54
35	Microstructural characterizations and mechanical properties of Mg-8Sn-1Al-1Zn-xCu alloys. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 803-807.	1.0	4
36	Abundant long period stacking ordered structure induced by Ni addition into Mgâ€“Gdâ€“Zn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 618, 355-358.	5.6	33

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37	Effect of heat-treatment on the microstructures and mechanical properties of Mg-10Zn-5Al-0.1Sb-xCu magnesium alloy. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 834-839.	1.0	1
38	Study of Mgâ€“Gdâ€“Znâ€“Zr alloys with long period stacking ordered structures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 585, 268-276.	5.6	55
39	Effects of Mn on the microstructure and mechanical properties of long period stacking ordered Mg95Zn2.5Y2.5 alloy. Materials Letters, 2013, 109, 46-50.	2.6	34
40	18R and 14H long-period stacking ordered structures in the Mg93.96Zn2Y4Sr0.04 alloy and the modification effect of Sr on X-phase. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 81-88.	5.6	53
41	Microstructure and mechanical properties of ultrafine grained Mg15Al alloy processed by equal-channel angular pressing. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 238-242.	1.0	5