Yong Xue

List of Publications by Year in descending order

42 papers	381 citations	933447 10 h-index	888059 17 g-index
42 all docs	42 docs citations	42 times ranked	128 citing authors

#	Article	IF	Citations
1	Low-cycle fatigue behaviour of Mg-9Gd-4Y-2Zn-0.5Zr alloys with different structures. Journal of Magnesium and Alloys, 2023, 11, 3382-3393.	11.9	2
2	Effect of heat treatment on mechanical properties and microstructure evolution of Mg-9.5Gd-4Y-2.2Zn-0.5Zr alloy. Journal of Magnesium and Alloys, 2022, 10, 1124-1132.	11.9	24
3	Microstructural Evolution and Anisotropic Weakening Mechanism of ZK60 Magnesium Alloy Processed by Isothermal Repetitive Upsetting Extrusion. Acta Metallurgica Sinica (English Letters), 2022, 35, 839-852.	2.9	14
4	Preparation of ultra-high strength Mg-Gd-Y-Zn-Zr alloy by pre-ageing treatment prior to extrusion. Journal of Alloys and Compounds, 2022, 894, 162490.	5.5	43
5	Effect of multi-pass deformation on hot flow behavior and microstructure evolution mechanism of Tiâ€“6Alâ€“4V alloy fabricated by hot isostatic pressing. Journal of Materials Research and Technology, 2022, 17, 2229-2248.	5.8	9
6	Hot Deformation Behaviour and Constitutive Equation of Mg-9Gd-4Y-2Zn-0.5Zr Alloy. Materials, 2022, 15, 1779.	2.9	2
7	Effect of Deformation Parameters on Recrystallization Behavior and Long-Period Stacking-Ordered Phase of Mg-9Gd-4Y-2Zn-0.5Zr Alloy. Materials, 2022, 15, 1822.	2.9	0
8	The Microstructure Evolution of Mg-RE Alloy Produced by Reciprocating Upsetting Extrusion during Hot Compression. Metals, 2022, 12, 888.	2.3	0
9	Effect of Annealing Before Aging on Microstructure and Mechanical Properties of Mg-Gd-Y-Zn-Zr Alloy. Journal of Materials Engineering and Performance, 2022, 31, 9829-9838.	2.5	2
10	Microstructure evolution, texture and mechanical properties of a Mgâ€“Gdâ€“Yâ€“Znâ€“Zr alloy fabricated by cyclic expansion extrusion with an asymmetrical extrusion cavity: The influence of passes and processing route. Journal of Magnesium and Alloys, 2021, 9, 964-982.	11.9	44
11	Effect of multi-pass deformation on microstructure and flow behavior of Ti-6Al-4V alloy fabricated through hot isostatic pressing. Materials Research Express, 2021, 8, 016519.	1.6	7
12	The improvement of grain refinement, texture modification and mechanical properties of pure Mg prepared by cyclic expansion extrusion with an asymmetric extrusion cavity. Materials Research Express, 2021, 8, 046530.	1.6	0
13	Reinforcing effects of cyclic expansion extrusion with an asymmetrical extrusion cavity (CEE-AEC) on pure magnesium. Materials Research Express, 2021, 8, 056502.	1.6	1
14	Influence of heat treatment on the tensile properties and fatigue properties of Mg-8.8Gd-3.5Y-1.5Zn-0.5Zr alloy. Materials Research Express, 2021, 8, 056518.	1.6	1
15	Microstructure and mechanical properties of pure magnesium prepared by CEE-AEC at different temperatures. Materials Research Express, 2021, 8, 066511.	1.6	0
16	Evolution of the Î± phase and microhardness for hot isostatic pressed Ti-6Al-4V alloy during multi-pass deformation. Materials Characterization, 2021, 178, 111263.	4.4	9
17	An alternating ageing-annealing process for enhancing strength and ductility of a Mg-Gd-Y-Zn-Zr alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 828, 142103.	5.6	31
18	Microstructure characterization of hot isostatic pressed Tiâ€“6Alâ€“4V alloy under uniaxial compression and post heat treatment. Journal of Materials Research and Technology, 2021, 15, 7070-7084.	5.8	11

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19	Effect of annealing temperature and time on recrystallization behavior of Mg-Gd-Y-Zn-Zr alloy. Materials Research Express, 2021, 8, 126503.	1.6	2
20	HOT DEFORMATION BEHAVIOR AND PROCESSING MAP OF A Mg-Gd-Y-Zn-Zr ALLOY. Materiali in Tehnologije, 2021, 55, .	0.5	2
21	Numerical Prediction and Experimental Validation of the Microstructure of Bearing Steel Ball Formation in Warm Skew Rolling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 1254-1263.	2.2	7
22	A novel severe plastic deformation method and its effect on microstructure, texture and mechanical properties of Mg-Gd-Y-Zn-Zr alloy. Journal of Alloys and Compounds, 2020, 822, 153698.	5.5	56
23	High Ductility with a Homogeneous Microstructure of a Mgâ€“Alâ€“Zn Alloy Prepared by Cyclic Expansion Extrusion with an Asymmetrical Extrusion Cavity. Metals, 2020, 10, 1102.	2.3	6
24	Microstructure and Texture Evolution of AZ31 Alloy Prepared by Cyclic Expansion Extrusion with Asymmetrical Extrusion Cavity at Different Temperatures. Materials, 2020, 13, 3757.	2.9	3
25	The effect of heat treatment on Î±/Î² phases evolution of TC4 titanium alloy fabricated by spark plasma sintering. Procedia Manufacturing, 2020, 50, 713-718.	1.9	14
26	Microstructure Evolution and Mechanical Properties of AQ80 Alloy During Forward Extrusion and Twist Deformation. Journal of Materials Engineering and Performance, 2020, 29, 6774-6783.	2.5	1
27	Effect of Different Deformation Methods on Microstructure Evolution of TC4 Titanium Alloy Prepared by Spark Plasma Sintering. Materials Science Forum, 2020, 993, 254-258.	0.3	1
28	Microstructure evolution of TC4 powder by spark plasma sintering after hot deformation. High Temperature Materials and Processes, 2020, 39, 457-465.	1.4	5
29	Effect of multi-pass deformation on microstructure evolution of spark plasma sintered TC4 titanium alloy. High Temperature Materials and Processes, 2020, 39, 328-339.	1.4	3
30	Influence of a novel SPD technique together with heat treatment on the microstructural characteristics and hardness of Mg-13Gd-4Y-2Zn-0.5Zr alloys. Materials Research Express, 2020, 7, 126518.	1.6	4
31	Microstructure and mechanical properties of Mg-Gd-Y-Zn-Zr alloy by cyclic expansion-extrusion with an asymmetrical extrusion cavity (CEE-AEC). Materials Research Express, 2019, 6, 1065c8.	1.6	10
32	An Investigation on Microstructure, Texture and Mechanical Properties of AZ80 Mg Alloy Processed by Annular Channel Angular Extrusion. Materials, 2019, 12, 1001.	2.9	14
33	Hot workability and microstructure evolution of Alâ€“0.2Scâ€“0.04Zr alloy. Journal of Materials Science, 2019, 54, 7908-7921.	3.7	3
34	Effect of Cyclic Expansion-Extrusion Process on Microstructure, Deformation and Dynamic Recrystallization Mechanisms, and Texture Evolution of AZ80 Magnesium Alloy. Advances in Materials Science and Engineering, 2019, 2019, 1-10.	1.8	4
35	Study on processing and structure property of Al-Cu-Mg-Zn alloy cup-shaped part produced by radial-backward extrusion. International Journal of Advanced Manufacturing Technology, 2018, 95, 687-696.	3.0	4
36	Effect of different cyclic expansionâ€“extrusion processes on microstructure and mechanical properties of AZ80 magnesium alloy. Advances in Mechanical Engineering, 2017, 9, 168781401769665.	1.6	3

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37	Processing Map of Powder Metallurgy Al-W Alloys at Elevated Temperatures. Journal of Materials Engineering and Performance, 2017, 26, 3216-3225.	2.5	5
38	An optimum design on rollers containing the groove with changeable inner diameter based on response surface methodology. Advances in Mechanical Engineering, 2016, 8, 168781401665179.	1.6	0
39	Study on Flow Stress Model and Processing Map of Homogenized Mg-Gd-Y-Zn-Zr Alloy During Thermomechanical Processes. Journal of Materials Engineering and Performance, 2015, 24, 964-971.	2.5	14
40	Spatiotemporal dynamics of a predatorâ€“prey model. Nonlinear Dynamics, 2012, 69, 71-77.	5.2	19
41	A Study on the Phenomenological Constitutive Model of Mg-12Gd-5Y-3Zn-0.6Zr Magnesium Alloy Forming at Elevated Temperature. Applied Mechanics and Materials, 0, 624, 71-76.	0.2	0
42	Multi-pass Hot Deformation Behavior and Microstructure Evolution of Spark Plasma-Sintered Ti-6Al-4V Alloy. Journal of Materials Engineering and Performance, 0, , 1.	2.5	1