Xiao-dong Peng

List of Publications by Year
in descending order

29	1,603	623734	477307
papers	citations	14 h-index	29 g-index

31	31	31	802
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructure and strengthening mechanism of hot-extruded ultralight Mg-Li-Al-Sn alloys with high strength. Journal of Materials Science and Technology, 2022, 103, 186-196.	10.7	48
2	Research advances of magnesium and magnesium alloys worldwide in 2021. Journal of Magnesium and Alloys, 2022, 10, 863-898.	11.9	224
3	Research advances in magnesium and magnesium alloys worldwide in 2020. Journal of Magnesium and Alloys, 2021, 9, 705-747.	11.9	499
4	Effect of Mn content on the microstructure and mechanical properties of Mgâ€“6Liâ€“4Zn-xMn alloys. Progress in Natural Science: Materials International, 2021, 31, 583-590.	4.4	13
5	Effects of annealing temperature on microstructure and mechanical properties of LZ91 alloy. Materials Science and Technology, 2020, 36, 2010-2017.	1.6	10
6	Overview of advancement and development trend on magnesium alloy. Journal of Magnesium and Alloys, 2019, 7, 536-544.	11.9	337
7	Effect of Ca Content on the Mechanical Properties and Corrosion Behaviors of Extruded Mgâ€“7Liâ€“3Al Alloys. Metals, 2019, 9, 1212.	2.3	11
8	Microstructure, tensile properties and corrosion behavior of friction stir processed Mg-9Li-1Zn alloy. Journal of Materials Processing Technology, 2019, 267, 393-402.	6.3	51
9	Influence of extrusion temperature on microstructure and mechanical behavior of duplex Mg-Li-Al-Sr alloy. Journal of Alloys and Compounds, 2018, 750, 696-705.	5.5	44
10	Effects of Welding Speed and Post-weld Hot Rolling on Microstructure and Mechanical Properties of Friction Stir-Welded AZ31 Magnesium Alloy. Acta Metallurgica Sinica (English Letters), 2018, 31, 853-864.	2.9	16
11	Microstructure and mechanical properties of as-cast and extrudedÂMg-8Li-1Al-0.5Sn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 709, 247-253.	5.6	34
12	Microstructure, dielectric and ferroelectric properties of (1â^'x) BaTiO3â€“xBiYbO3 ceramics fabricated by conventional and microwave sintering methods. Journal of Materials Science: Materials in Electronics, 2018, 29, 20017-20032.	2.2	14
13	Dynamic Recrystallization Behavior and Corrosion Resistance of a Dual-Phase Mg-Li Alloy. Materials, 2018, 11, 408.	2.9	23
14	Microstructure and mechanical properties of as-cast and extruded Mg-8Li-3Al-0.7Si alloy. Journal of Central South University, 2018, 25, 764-771.	3.0	5
15	Microstructure and mechanical properties of Mgâ€“6Liâ€“xAlâ€“0.8Sn alloys. Materials Science and Technology, 2018, 34, 2078-2086.	1.6	5
16	Study on the structure and properties of (1-x) BiYbO3-xBaTiO3 ceramics synthesized by solâ€“gel method. Ferroelectrics, 2017, 507, 127-138.	0.6	1
17	Influence of high dose Î³ irradiation on the calibration characteristics of type K mineral-insulated metal-sheathed thermocouples. Journal of Alloys and Compounds, 2017, 696, 1046-1052.	5.5	6
18	Microstructure, mechanical properties, and corrosion resistance of Mgâ€“9Liâ€“3Alâ€“1.6Y alloy. Rare Metals, 2016, 35, 374-379.	7.1	16

#	Article	IF	Citations
19	Sol-Gel Synthesis and Characterization of (1â€“xâ€“y)BiYbO₃-xLiNbO₃-yBaTiO₃ Ceramics. Transactions of the Indian Ceramic Society, 2016, 75, 220-224.	1.0	1
20	Microstructure evolution and simulation study of a duplex Mgâ€“Li alloy during Double Change Channel Angular Pressing. Materials and Design, 2016, 90, 266-275.	7.0	29
21	Kinetics of magnesium preparation by vacuum-assisted carbothermic reduction method. Rare Metals, 2016, 35, 192-197.	7.1	18
22	Effect of Sr addition on microstructure and elevated temperature mechanical properties of Mgâ€“3Znâ€“1Y alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 655, 331-338.	5.6	11
23	Influence of I-phase and W-phase on microstructure and mechanical properties of Mgâ€“8Liâ€“3Zn alloy. Transactions of Nonferrous Metals Society of China, 2015, 25, 713-720.	4.2	14
24	Comparative study on the microstructure and mechanical properties of Mg-Li-Al based alloys with yttrium and strontium addition. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 626-630.	1.0	2
25	Effect of Strontium Doping on the Microstructures and Dielectric Properties of Lanthanum Titanate Ceramics. Transactions of the Indian Ceramic Society, 2014, 73, 307-311.	1.0	12
26	Approaches to multiple attribute decision making based on the correlation coefficient with dual hesitant fuzzy information. Journal of Intelligent and Fuzzy Systems, 2014, 26, 2547-2556.	1.4	45
27	Effect of Sr content on microstructure and mechanical properties of Mg-Li-Al-Mn alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 2752-2760.	4.2	35
28	Influence of Extrusion on the Microstructure and Mechanical Behavior of Mg-9Li-3Al-xSr Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 1101-1113.	2.2	76
29	Microstructure and Dielectric Properties of Ta-doped La₂Ti₂O₇ Ceramics. Integrated Ferroelectrics, 2013, 141, 45-49.	0.7	3