

Xiao-dong Peng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9578171/publications.pdf>

Version: 2024-02-01

29
papers

1,603
citations

623734

14
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	Research advances in magnesium and magnesium alloys worldwide in 2020. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 705-747.	11.9	499
2	Overview of advancement and development trend on magnesium alloy. <i>Journal of Magnesium and Alloys</i> , 2019, 7, 536-544.	11.9	337
3	Research advances of magnesium and magnesium alloys worldwide in 2021. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 863-898.	11.9	224
4	Influence of Extrusion on the Microstructure and Mechanical Behavior of Mg-9Li-3Al-xSr Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 1101-1113.	2.2	76
5	Microstructure, tensile properties and corrosion behavior of friction stir processed Mg-9Li-1Zn alloy. <i>Journal of Materials Processing Technology</i> , 2019, 267, 393-402.	6.3	51
6	Microstructure and strengthening mechanism of hot-extruded ultralight Mg-Li-Al-Sn alloys with high strength. <i>Journal of Materials Science and Technology</i> , 2022, 103, 186-196.	10.7	48
7	Approaches to multiple attribute decision making based on the correlation coefficient with dual hesitant fuzzy information. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 26, 2547-2556.	1.4	45
8	Influence of extrusion temperature on microstructure and mechanical behavior of duplex Mg-Li-Al-Sr alloy. <i>Journal of Alloys and Compounds</i> , 2018, 750, 696-705.	5.5	44
9	Effect of Sr content on microstructure and mechanical properties of Mg-Li-Al-Mn alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 2752-2760.	4.2	35
10	Microstructure and mechanical properties of as-cast and extruded Mg-8Li-1Al-0.5Sn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 709, 247-253.	5.6	34
11	Microstructure evolution and simulation study of a duplex Mg-Li alloy during Double Change Channel Angular Pressing. <i>Materials and Design</i> , 2016, 90, 266-275.	7.0	29
12	Dynamic Recrystallization Behavior and Corrosion Resistance of a Dual-Phase Mg-Li Alloy. <i>Materials</i> , 2018, 11, 408.	2.9	23
13	Kinetics of magnesium preparation by vacuum-assisted carbothermic reduction method. <i>Rare Metals</i> , 2016, 35, 192-197.	7.1	18
14	Microstructure, mechanical properties, and corrosion resistance of Mg-9Li-3Al-1.6Y alloy. <i>Rare Metals</i> , 2016, 35, 374-379.	7.1	16
15	Effects of Welding Speed and Post-weld Hot Rolling on Microstructure and Mechanical Properties of Friction Stir-Welded AZ31 Magnesium Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 853-864.	2.9	16
16	Influence of I-phase and W-phase on microstructure and mechanical properties of Mg-8Li-3Zn alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 713-720.	4.2	14
17	Microstructure, dielectric and ferroelectric properties of $(1-x)$ BaTiO ₃ - x BiYbO ₃ ceramics fabricated by conventional and microwave sintering methods. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20017-20032.	2.2	14
18	Effect of Mn content on the microstructure and mechanical properties of Mg-6Li-4Zn-xMn alloys. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 583-590.	4.4	13

#	ARTICLE	IF	CITATIONS
19	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
20	Effect of Sr addition on microstructure and elevated temperature mechanical properties of Mg ₃ Zn ₁ Y alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 655, 331-338.	5.6	11
21	Effect of Ca Content on the Mechanical Properties and Corrosion Behaviors of Extruded Mg ₇ Li ₃ Al Alloys. Metals, 2019, 9, 1212.	2.3	11
22	Effects of annealing temperature on microstructure and mechanical properties of LZ91 alloy. Materials Science and Technology, 2020, 36, 2010-2017.	1.6	10
23	Influence of high dose ⁶⁰ Co 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
24	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
25	Microstructure and mechanical properties of Mg ₆ Li _x Al _{0.8Sn} alloys. Materials Science and Technology, 2018, 34, 2078-2086.	1.6	5
26	Microstructure and Dielectric Properties of Ta-doped La ₂ Ti ₂ O ₇ Ceramics. Integrated Ferroelectrics, 2013, 141, 45-49.	0.7	3
27	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
28	Sol-Gel Synthesis and Characterization of (1-x)BiYbO ₃ -xLiNbO ₃ -yBaTiO ₃ Ceramics. Transactions of the Indian Ceramic Society, 2016, 75, 220-224.	1.0	1
29	Study on the structure and properties of (1-x) BiYbO ₃ -xBaTiO ₃ ceramics synthesized by sol-gel method. Ferroelectrics, 2017, 507, 127-138.	0.6	1