

Xiaoqiang Li

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

547
citations

567144

15
h-index

677027

22
g-index

40
all docs

40
docs citations

40
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of extrusion speed on microstructure, mechanical properties and work-hardening of multi-microalloying MgAlCoCrFeNi alloy. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162706.	2.8	4
2	Mechanical Properties and Corrosion Behavior of Multi-Microalloying Mg Alloys Prepared by Adding AlCoCrFeNi Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 1301-1316.	1.5	7
3	Hot tensile deformation behaviour and microstructure evolution of Al3La phase reinforced Mg-5Li-3Al-2Zn alloy formed in-situ by La2O3 particle. <i>Materials Characterization</i> , 2022, 185, 111772.	1.9	5
4	Hot tensile deformation mechanism and microstructure evolution of Mg 2Nd alloy with heterostructure. <i>Materials Characterization</i> , 2022, 186, 111792.	1.9	7
5	Preparation of a novel robustness mineralized layer on surface of AZ80-0.38Nd (wt. %) alloy and investigation of its properties. <i>Applied Surface Science</i> , 2022, 600, 153970.	3.1	4
6	Hot tensile deformation behavior of extruded LAZ532 alloy with heterostructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 801, 140412.	2.6	30
7	The strengthening mechanism and deformation behavior of Mg-Li matrix composite reinforced by Al3La phase formed in-situ through La2O3 particle. <i>Composites Part B: Engineering</i> , 2021, 216, 108866.	5.9	26
8	The microstructure evolution and mechanical anisotropy of extruded Mg-2Zn-0.4Ce-0.4Mn alloy tube during tension in different directions. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159829.	2.8	16
9	The effect of electric pulse aided ultrasonic rolling processing on the microstructure evolution, surface properties, and fatigue properties of a titanium alloy Ti5Al4Mo6V2Nb1Fe. <i>Surface and Coatings Technology</i> , 2021, 421, 127408.	2.2	15
10	Effect of REs (Y, Nd) addition on high temperature oxidation kinetics, oxide layer characteristic and activation energy of AZ80 alloy. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 1281-1295.	5.5	22
11	CO2 absorption of anhydrous colloidal suspension based silica nanospheres with different microstructures. <i>Energy and Environment</i> , 2020, , 0958305X2094387.	2.7	1
12	Reducing the yield asymmetry in Mg-5Li-3Al-2Zn alloy by hot-extrusion and multi-pass rolling. <i>Journal of Magnesium and Alloys</i> , 2020, 9, 937-937.	5.5	41
13	Investigation of Portevin-Le Chatelier effect in rolled β -phase Mg-Li alloy during tensile and compressive deformation. <i>Journal of Materials Science and Technology</i> , 2020, 52, 152-161.	5.6	18
14	Superplastic deformation behavior of the as-extruded AZ110 magnesium alloy with La-rich Mish metal addition. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6777-6789.	2.6	17
15	Understanding on ignition mechanism of Mg-xAl (x=0, 3, 6 and 8wt. %) alloys in atmospheric environment. <i>Corrosion Science</i> , 2020, 168, 108565.	3.0	10
16	Effect of rolling with different amounts of deformation on microstructure and mechanical properties of the Mg-1Al-4Y alloy. <i>Materials Characterization</i> , 2020, 161, 110149.	1.9	12
17	The hot deformation behavior, microstructure evolution and texture types of as-cast Mg-Li alloy. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154868.	2.8	35
18	Fracture and deformation characteristics of AZ31 magnesium alloy plate during tension rolling. <i>Materials Today Communications</i> , 2020, 24, 101129.	0.9	8

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19	The microstructure and mechanical properties of Mg ₂ B ₂ O ₅ whisker-reinforced ZK60 composites fabricated by powder metallurgy. <i>Materials Research Express</i> , 2019, 6, 0965b9.	0.8	5
20	Ex-situ EBSD analysis of yield asymmetry, texture and twinning development in Mg-5Li-3Al-2Zn alloy during tensile and compressive deformation. <i>Journal of Alloys and Compounds</i> , 2019, 805, 947-956.	2.8	45
21	Room Temperature Ammonia Gas Sensor Based on Polyacrylonitrile/Silver@Polyaniline Nanofibers. <i>IEEE Sensors Journal</i> , 2019, 19, 11021-11026.	2.4	14
22	Effect of Ca and Gd combined addition on ignition temperature and oxidation resistance of AZ80. <i>Corrosion Science</i> , 2019, 160, 108176.	3.0	19
23	Investigation of microstructure and texture during continuous bending of rolled AZ31 sheet by experiment and FEM. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6232-6243.	2.6	14
24	Microstructure and mechanical properties of the ultra-fine grained ZK60 reinforced with low content of nano-diamond by powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2019, 778, 309-317.	2.8	37
25	The microstructures and mechanical properties of ultrafine-grained Mg-3Zn-3Zr alloys fabricated by powder metallurgy. <i>Materials Research Express</i> , 2019, 6, 036524.	0.8	4
26	Synthesis and sizing performances of water-soluble polyester based on bis(2-hydroxyethyl) terephthalate derived from depolymerized waste poly(ethylene terephthalate) fabrics. <i>Textile Research Journal</i> , 2019, 89, 572-579.	1.1	11
27	Decoloration of waste PET alcoholysis liquid by an electrochemical method. <i>Water Science and Technology</i> , 2018, 77, 2463-2473.	1.2	4
28	Effect of Ca Additions on Ignition Temperature and Multi-Stage Oxidation Behavior of AZ80. <i>Metals</i> , 2018, 8, 766.	1.0	24
29	Decolorization and reusing of PET depolymerization waste liquid by electrochemical method with magnetic nanoelectrodes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34531-34539.	2.7	9
30	Reducing the tension-compression yield asymmetry in an extruded ZK60 alloy by ultrafine grains. <i>Materials Research Express</i> , 2018, 5, 116518.	0.8	6
31	Er-doped titanium dioxide/silicon dioxide fibres with enhanced photodegradation performance. <i>Micro and Nano Letters</i> , 2018, 13, 297-301.	0.6	8
32	Highly fluorescent cotton fiber based on luminescent carbon nanoparticles via a two-step hydrothermal synthesis method. <i>Cellulose</i> , 2017, 24, 1669-1677.	2.4	15
33	Conjugating S-nitrosothiols with fluorescent nanofibers for the controlled release and real-time detection of nitric oxide. <i>Fibers and Polymers</i> , 2016, 17, 971-975.	1.1	1
34	Is the Hong Kong Liver Cancer staging system the best guide for hepatitis B virus-related hepatocellular carcinoma patients with multiple tumors?. <i>Oncotarget</i> , 2016, 7, 51598-51607.	0.8	1
35	Solvents Regulation and Thermodynamic Control the Morphologies of Cu ₂ O Nanocrystals. <i>Integrated Ferroelectrics</i> , 2015, 162, 77-84.	0.3	2
36	Characterizations and Cr (VI) adsorption properties of polyaniline/filter paper composite. <i>Polymer Composites</i> , 2014, 35, 993-998.	2.3	4

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37	Recycling of waste poly(ethylene terephthalate) into flame-retardant rigid polyurethane foams. Journal of Applied Polymer Science, 2014, 131, .	1.3	24
38	Electrochemical determination of ionization constants of tetrabutylammonium salt in acetonitrile and <i>l</i> -nitrophenyloctylether. Ionics, 2014, 20, 1777-1782.	1.2	2
39	1013 Fabricating PVDF Micro/nano-fibers Applicable to Flexible Self-powered Fabric (Part II). The Proceedings of Ibaraki District Conference, 2012, 2012.20, 295-296.	0.0	0
40	Sorbitan monooleate and poly(L-lactide- ϵ -caprolactone) electrospun nanofibers for endothelial cell interactions. Journal of Biomedical Materials Research - Part A, 2009, 91A, 878-885.	2.1	20