

Yan Feng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

766
citations

15
h-index

27
g-index

39
ext. papers

917
ext. citations

3.5
avg, IF

4.28
L-index

#	Paper	IF	Citations
39	Hot deformation behavior and finite element simulation of hot isostatic pressed Mo-50Cu composite. <i>Journal of Materials Science</i> , 2022 , 57, 717-730	4.3	0
38	Precipitation behavior and properties of Al ₅₀ Si _{0.5} X (X = Sc, La, Nb) alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 7380-7395	2.1	
37	Influence of aging on microstructure, mechanical properties and stress corrosion cracking of 7136 aluminum alloy. <i>Journal of Central South University</i> , 2021 , 28, 2687-2700	2.1	11
36	Ultra-high strength Al-Zn-Mg-Cu alloys with high zinc content prepared via powder hot extrusion. <i>Micron</i> , 2021 , 144, 103015	2.3	2
35	Effect of Grp on Microstructure and Properties of SiCp/Al Composites for Brake Discs. <i>Tribology Transactions</i> , 2021 , 64, 873-882	1.8	2
34	Influence of Cu/Mg ratio on microstructure and mechanical properties of Al ₇₀ Mg ₁₀ Cu alloys. <i>Journal of Materials Science</i> , 2021 , 56, 3472-3487	4.3	3
33	Effects of alloying elements on the microstructure and corrosion behavior of Mg ₉₀ Al ₁₀ alloys. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 154344	5.7	23
32	Effects of Cu and Mg alloying on the microstructure and properties of Al ₇₀ Si ₂₀ alloy prepared by spray forming. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 5416-5424	2.1	3
31	Effect of repetitious retrogression and re-aging treatment on the microstructure, strength and corrosion behavior of powder hot-extruded 7055 Al alloy. <i>Materials Characterization</i> , 2020 , 162, 110190	3.9	7
30	Microstructure evolution and mechanical properties of an ultrahigh strength Al-Zn-Mg-Cu-Zr-Sc (7055) alloy processed by modified powder hot extrusion with post aging. <i>Vacuum</i> , 2019 , 161, 434-442	3.7	32
29	Hot deformation behavior of Mg-8Li-3Al-2Zn-0.2Zr alloy based on constitutive analysis, dynamic recrystallization kinetics, and processing map. <i>Mechanics of Materials</i> , 2019 , 131, 158-168	3.3	18
28	Hot deformation behavior and microstructural evolution of as-quenched 7055 Al alloy fabricated by powder hot extrusion. <i>Materials Characterization</i> , 2019 , 156, 109833	3.9	19
27	Effect of Hot Extrusion on the Microstructure, Mechanical Properties, and Corrosion Behavior of Mg ₉₀ Li ₁₀ Al ₁₀ Zn ₁₀ .5Nd _{0.2} Zr Alloy. <i>Transactions of the Indian Institute of Metals</i> , 2019 , 72, 2893-2899	1.2	3
26	Effect of minor scandium addition on the microstructure and properties of Al ₅₀ Si alloys for electronic packaging. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 20770-20777	2.1	4
25	Effect of Lithium on the Discharge and Corrosion Behavior of Mg-3 wt.% Al Alloy as the Anode for Seawater Activated Battery. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 6552-6563	1.6	6
24	Effects of Sn and Y on the microstructure, texture, and mechanical properties of as-extruded Mg-5Li-3Al-2Zn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 733, 429-439	5.3	20
23	Microstructures and Properties of Ti-Coated SiCp Reinforced Al-Si Alloy Composites. <i>Jom</i> , 2017 , 69, 756-762	3.62	3

22	Effect of Heat Treatment on Electrochemical Properties of Mg9 wt.%Al0.5 wt.%Pb Alloy in Sodium Chloride Solution. <i>Jom</i> , 2017 , 69, 2467-2470	2.1	5
21	Microstructures and Properties of the Copper-Coated SiCp Reinforced AlSi Alloy Composites . <i>Advanced Engineering Materials</i> , 2017 , 19, 1600816	3.5	5
20	Electrochemical discharge performance of the MgAlPbIn alloy as the anode for Mgair batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8658-8668	13	81
19	Polymerization and Rheological Behavior of the Thermoresponsive Gelcasting System Based on N-isopropylacrylamide. <i>International Journal of Applied Ceramic Technology</i> , 2016 , 13, 966-972	2	3
18	Corrosion and discharge performance of Mg9%Al0.5%Pb alloy as anode for seawater activated battery. <i>Transactions of Nonferrous Metals Society of China</i> , 2016 , 26, 2144-2151	3.3	18
17	Postcasting Contraction: Improving the Density of Gelcast Nanoparticle Green Bodies with Heated Liquid Desiccants. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1706-1710	3.8	7
16	Thermal cycling reliability of Al/50SiP composite for thermal management in electronic packaging. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 4894-4901	2.1	9
15	Discharge behaviour of Mg-Al-Pb and Mg-Al-Pb-In alloys as anodes for Mg-air battery. <i>Electrochimica Acta</i> , 2014 , 149, 193-205	6.7	126
14	Discharge and Corrosion Performance of AP65 Magnesium Alloy in Simulated Seawater: Effect of Temperature. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 4374-4384	1.6	7
13	Enhancement of the discharge performance of AP65 magnesium alloy anodes by hot extrusion. <i>Corrosion Science</i> , 2014 , 81, 85-95	6.8	52
12	Influence of Ga and In on microstructure and electrochemical properties of Mg anodes. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 2650-2656	3.3	17
11	Influence of zinc on electrochemical discharge activity of Mg-6%Al-5%Pb anode. <i>Journal of Central South University</i> , 2012 , 19, 9-16	2.1	12
10	Effect of hot rolling and subsequent annealing on electrochemical discharge behavior of AP65 magnesium alloy as anode for seawater activated battery. <i>Corrosion Science</i> , 2012 , 64, 17-27	6.8	92
9	Effect of indium addition on corrosion of AP65 magnesium alloy. <i>Journal of Central South University</i> , 2012 , 19, 2086-2093	2.1	11
8	Corrosion Behavior of Magnesium Alloy AP65 in 3.5% Sodium Chloride Solution. <i>Journal of Materials Engineering and Performance</i> , 2012 , 21, 1300-1308	1.6	20
7	Microstructural evolution of Au-Sn solder prepared by laminate rolling during annealing process. <i>Rare Metals</i> , 2011 , 30, 627-632	5.5	9
6	Effects of h-BN content on properties of Ni-Cr/h-BN composite. <i>Journal of Central South University</i> , 2011 , 18, 1334-1339	2.1	7
5	Influence of aluminium and lead on activation of magnesium as anode. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 1403-1411	3.3	40

- 4 Thermodynamic reassessment of Ga-Hg and Mg-Hg systems. *Central South University*, **2009**, 16, 32-37 5
- 3 Activation of Mg/Hg anodes by Ga in NaCl solution. *Journal of Alloys and Compounds*, **2009**, 473, 215-219 5,7 46
- 2 Influence of Mg₂₁Ga₅Hg₃ compound on electrochemical properties of Mg-5%Hg-5%Ga alloy. *Transactions of Nonferrous Metals Society of China*, **2009**, 19, 154-159 3,3 27
- 1 Influence of Ga Content on Electrochemical Behavior of Mg-5 at%Hg Anode Materials. *Materials Transactions*, **2008**, 49, 1077-1080 1,3 11