

# Yan Feng

## List of Publications by Citations

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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	Discharge behaviour of Mg-Al-Pb and Mg-Al-Pb-In alloys as anodes for Mg-air battery. <i>Electrochimica Acta</i> , <b>2014</b> , 149, 193-205	6.7	126
38	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> , <b>2012</b> , 64, 17-27	6.8	92
37	Electrochemical discharge performance of the Mg-Al-Pb-In alloy as the anode for Mg-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8658-8668	13	81
36	Enhancement of the discharge performance of AP65 magnesium alloy anodes by hot extrusion. <i>Corrosion Science</i> , <b>2014</b> , 81, 85-95	6.8	52
35	Activation of Mg-Hg anodes by Ga in NaCl solution. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 473, 215-219	5.7	46
34	Influence of aluminium and lead on activation of magnesium as anode. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2010</b> , 20, 1403-1411	3.3	40
33	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> , <b>2019</b> , 161, 434-442	3.7	32
32	Influence of Mg <sub>21</sub> Ga <sub>5</sub> Hg <sub>3</sub> compound on electrochemical properties of Mg-5%Hg-5%Ga alloy. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2009</b> , 19, 154-159	3.3	27
31	Effects of alloying elements on the microstructure and corrosion behavior of Mg-Al alloys. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 834, 154344	5.7	23
30	Corrosion Behavior of Magnesium Alloy AP65 in 3.5% Sodium Chloride Solution. <i>Journal of Materials Engineering and Performance</i> , <b>2012</b> , 21, 1300-1308	1.6	20
29	Effects of Sn and Y on the microstructure, texture, and mechanical properties of as-extruded Mg-5Li-3Al-2Zn alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 733, 429-439	5.3	20
28	Hot deformation behavior and microstructural evolution of as-quenched 7055 Al alloy fabricated by powder hot extrusion. <i>Materials Characterization</i> , <b>2019</b> , 156, 109833	3.9	19
27	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> , <b>2019</b> , 131, 158-168	3.3	18
26	Corrosion and discharge performance of Mg-9%Al-0.5%Pb alloy as anode for seawater activated battery. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2016</b> , 26, 2144-2151	3.3	18
25	Influence of Ga and In on microstructure and electrochemical properties of Mg anodes. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 2650-2656	3.3	17
24	Influence of zinc on electrochemical discharge activity of Mg-6%Al-5%Pb anode. <i>Journal of Central South University</i> , <b>2012</b> , 19, 9-16	2.1	12
23	Effect of indium addition on corrosion of AP65 magnesium alloy. <i>Journal of Central South University</i> , <b>2012</b> , 19, 2086-2093	2.1	11

22	Influence of Ga Content on Electrochemical Behavior of Mg-5 at%Hg Anode Materials. <i>Materials Transactions</i> , <b>2008</b> , 49, 1077-1080	1.3	11
21	Influence of aging on microstructure, mechanical properties and stress corrosion cracking of 7136 aluminum alloy. <i>Journal of Central South University</i> , <b>2021</b> , 28, 2687-2700	2.1	11
20	Thermal cycling reliability of Al/50SiP composite for thermal management in electronic packaging. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 4894-4901	2.1	9
19	Microstructural evolution of Au-Sn solder prepared by laminate rolling during annealing process. <i>Rare Metals</i> , <b>2011</b> , 30, 627-632	5.5	9
18	Postcasting Contraction: Improving the Density of Gelcast Nanoparticle Green Bodies with Heated Liquid Desiccants. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 1706-1710	3.8	7
17	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> , <b>2020</b> , 162, 110190	3.9	7
16	Discharge and Corrosion Performance of AP65 Magnesium Alloy in Simulated Seawater: Effect of Temperature. <i>Journal of Materials Engineering and Performance</i> , <b>2014</b> , 23, 4374-4384	1.6	7
15	Effects of h-BN content on properties of Ni-Cr/h-BN composite. <i>Journal of Central South University</i> , <b>2011</b> , 18, 1334-1339	2.1	7
14	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> , <b>2018</b> , 27, 6552-6563	1.6	6
13	Effect of Heat Treatment on Electrochemical Properties of Mg9 wt.%Al2.5 wt.%Pb Alloy in Sodium Chloride Solution. <i>Jom</i> , <b>2017</b> , 69, 2467-2470	2.1	5
12	Microstructures and Properties of the Copper-Coated SiCp Reinforced AlSi Alloy Composites. <i>Advanced Engineering Materials</i> , <b>2017</b> , 19, 1600816	3.5	5
11	Thermodynamic reassessment of Ga-Hg and Mg-Hg systems. <i>Central South University</i> , <b>2009</b> , 16, 32-37		5
10	Effect of minor scandium addition on the microstructure and properties of Al50Si alloys for electronic packaging. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 20770-20777	2.1	4
9	Microstructures and Properties of Ti-Coated SiCp Reinforced Al-Si Alloy Composites. <i>Jom</i> , <b>2017</b> , 69, 756-762	3.62	3
8	Effects of Cu and Mg alloying on the microstructure and properties of Al2Si alloy prepared by spray forming. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 5416-5424	2.1	3
7	Effect of Hot Extrusion on the Microstructure, Mechanical Properties, and Corrosion Behavior of Mg11Li3Al2Zn0.5Nd0.2Zr Alloy. <i>Transactions of the Indian Institute of Metals</i> , <b>2019</b> , 72, 2893-2899	1.2	3
6	Polymerization and Rheological Behavior of the Thermo-responsive Gelcasting System Based on N-isopropylacrylamide. <i>International Journal of Applied Ceramic Technology</i> , <b>2016</b> , 13, 966-972	2	3
5	Influence of Cu/Mg ratio on microstructure and mechanical properties of Al20MgCu alloys. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 3472-3487	4.3	3

4	Ultra-high strength Al-Zn-Mg-Cu alloys with high zinc content prepared via powder hot extrusion. <i>Micron</i> , <b>2021</b> , 144, 103015	2.3	2
3	Effect of Grp on Microstructure and Properties of SiCp/Al Composites for Brake Discs. <i>Tribology Transactions</i> , <b>2021</b> , 64, 873-882	1.8	2
2	Hot deformation behavior and finite element simulation of hot isostatic pressed Mo-50Cu composite. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 717-730	4.3	0
1	Precipitation behavior and properties of Al <sub>50</sub> Si <sub>0.5</sub> X (X = Sc, La, Nb) alloys. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 7380-7395	2.1	