Jian-hua Zhao

List of Publications by Year
in descending order

27	251	1163117 8	1058476 14
papers	citations	h-index	g-index

28	28	28	145
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation on microstructures and properties of arc-sprayed-Al/AZ91D bimetallic material by solidâ€“liquid compound casting. Materials and Design, 2016, 112, 553-564.	7.0	40
2	The effects of neodymium addition on the intermetallic microstructure and mechanical properties of Al-7Si-0.3Mg-0.3Fe alloys. Journal of Alloys and Compounds, 2018, 741, 161-173.	5.5	25
3	Influence of Ni interlayer on interfacial microstructure and mechanical properties of Ti-6Al-4V/AZ91D bimetals fabricated by a solidâ€“liquid compound casting process. Journal of Magnesium and Alloys, 2021, 9, 1382-1382.	11.9	23
4	Microstructures and mechanical properties of AZ91D/0Cr19Ni9 bimetal composite prepared by liquid-solid compound casting. Transactions of Nonferrous Metals Society of China, 2019, 29, 51-58.	4.2	17
5	The Role of Bainite in Wear and Friction Behavior of Austempered Ductile Iron. Materials, 2019, 12, 767.	2.9	14
6	Influence of Metal-Coated Graphite Powders on Microstructure and Properties of the Bronze-Matrix/Graphite Composites. Journal of Materials Engineering and Performance, 2017, 26, 792-801.	2.5	12
7	Microstructure and Mechanical Properties of Galvanized-45 Steel/AZ91D Bimetallic Material by Liquid-Solid Compound Casting. Materials, 2019, 12, 1651.	2.9	12
8	Interfacial microstructure in joining of arc sprayed Al-Zn coating to AZ91D by solid-liquid compound casting. Surface and Coatings Technology, 2016, 307, 301-307.	4.8	11
9	Grain Refinement Efficiency in Commercial-Purity Aluminum Influenced by the Addition of Al-4Ti Master Alloys with Varying TiAl3 Particles. Materials, 2016, 9, 869.	2.9	9
10	Effect of Thickness on the Thermal Conductivity and Microstructure of Die-Cast AZ91D Magnesium Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 5969-5976.	2.2	9
11	Surface modification of die casting mold steel by a composite technique of hot-dipping and plasma electrolytic oxidation. Rare Metals, 2012, 31, 362-367.	7.1	8
12	Effect of Cooling Rate on Morphology of TiAl3 Particles in Alâ€“4Ti Master Alloy. Materials, 2017, 10, 238.	2.9	8
13	Effect of Microstructure Evolution of Iron-Rich Intermetallic Compounds on Mechanical Property of Alâ€“7Siâ€“0.3Mg Casting Alloy with Low Iron Content. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2022, 53, 548-560.	2.1	8
14	First Principles Study on the Electronic Properties of Zn64Sb64â^'xTex Solid Solution (x = 0, 2, 3, 4). International Journal of Molecular Sciences, 2011, 12, 3162-3169.	4.1	7
15	Effect of the Vacuum Heat Treatment on the Microstructure and Mechanical Properties of the Galvanized-Q235/AZ91D Bimetal Material Produced by Solidâ€“Liquid Compound Casting. Metals and Materials International, 2021, 27, 545-555.	3.4	7
16	Microstructures and mechanical properties of TC4/AZ91D bimetal prepared by solidâ€“liquid compound casting combined with Zn/Al composite interlayer. Transactions of Nonferrous Metals Society of China, 2022, 32, 1144-1158.	4.2	7
17	Effect of vacuum induction heat treatment on the formation of intermetallic compounds between electroplated Ni coating and TC4 alloy. Vacuum, 2021, 191, 110380.	3.5	6
18	Effect of electro-spark deposited ZA12 interlayer on the microstructure and mechanical property of A356/AZ91D by liquid-solid compound casting. Materials Chemistry and Physics, 2022, 278, 125595.	4.0	6

#	Article	IF	Citations
19	Influence of a Zn Interlayer on the Interfacial Microstructures and Mechanical Properties of Arc-Sprayed Al/AZ91D Bimetals Manufactured by the Solidâ€“Liquid Compound Casting Process. Materials, 2019, 12, 3273.	2.9	4
20	Effect of pouring temperature during a novel solidâ€“liquid compound casting process on microstructure and mechanical properties of AZ91D magnesium alloy parts with arc-sprayed aluminum coatings. Journal of Materials Science, 2020, 55, 6678-6695.	3.7	4
21	Effects of Zn Interlayer on Microstructures and Mechanical Properties of TC4/AZ91D Bimetal via Solidâ€“Liquid Compound Casting Process. International Journal of Metalcasting, 2022, 16, 419-434.	1.9	4
22	Investigation on the Microstructure and Mechanical Properties of Arc-Spray-Coated Q235/AZ91D by Solidâ€“Liquid Compound Casting. International Journal of Metalcasting, 2020, 14, 518-527.	1.9	2
23	Investigation of Cu Interlayer on Joint Formation of Ti/Mg Bimetal Fabricated by Liquidâ€“Solid Compound Casting Process. Metals and Materials International, 2022, 28, 1711-1724.	3.4	2
24	New Insights into Microstructure Characteristics and Tribological Property of Ti Alloy Processed by Hot-Dip Aluminizing and Heat Treatment. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 1035-1050.	2.2	2
25	Interface microstructure regulation of Mg/Ti bimetals by thermal diffusion treatment of Ni-coated TC4 alloy. Intermetallics, 2022, 147, 107594.	3.9	2
26	Improving Shear Strength of Ti/Mg Bimetal Composites Prepared by Hotâ€Dip Aluminizing and Solidâ€“Liquid Compound Casting. Advanced Engineering Materials, 2022, 24, .	3.5	2
27	Failure Process Observation and Failure Mechanism of Niâ€Coated TC4 Alloy by Gradually Changed Curvature Bending Method. Advanced Engineering Materials, 0, , 2101092.	3.5	0