

Yong-An Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Heat Transfer Behavior During Water Spray Quenching of 7xxx Aluminum Alloy Plates. Journal of Thermal Science and Engineering Applications, 2022, 14, .	1.5	2
2	Finite element simulation on residual stress during immersion quenching and pre-stretching of Al7055 thick plates. Materials Research Express, 2022, 9, 026525.	1.6	3
3	Microstructure, Texture, and Formability Control by Initial Hot-Rolling Temperature of Al-Mg-Si Alloy Sheets for Automotive Applications. Advanced Engineering Materials, 2022, 24, .	3.5	2
4	Prediction of residual stress field on the surface of quenched 7055 aluminium alloy plates. Materials Research Express, 2022, 9, 036502.	1.6	0
5	Influence of minor Sc additions on grain refinement and microstructure characteristics of a high Zn-containing Al-Zn-Mg-Cu-Zr alloy. Journal of Central South University, 2022, 29, 780-794.	3.0	8
6	Microstructure and mechanical properties of 7A56 aluminum alloy after solution treatment. Rare Metals, 2021, 40, 168-175.	7.1	22
7	Transformation behavior of precipitates during artificial aging at 170°C in Al-Mg-Si-Cu alloys with and without Zn addition. Rare Metals, 2021, 40, 1907-1914.	7.1	3
8	Aging precipitation characteristics and tensile properties of Al-Zn-Mg-Cu alloys with different additional Zn contents. Rare Metals, 2021, 40, 2160-2166.	7.1	8
9	Effect of Friction Coefficient on Deep Drawing of 6A16 Aluminum Alloy for Automobile Body. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 208-214.	1.0	3
10	Deep drawing of 6A16 aluminum alloy for automobile body with various blank-holder forces. Rare Metals, 2019, 38, 946-953.	7.1	7
11	Natural aging behavior in pre-aged Al-Mg-Si-Cu alloys with and without Zn addition. Journal of Alloys and Compounds, 2019, 773, 496-502.	5.5	26
12	Quenching residual stress distributions in aluminum alloy plates with different dimensions. Rare Metals, 2019, 38, 1051-1061.	7.1	14
13	Over-aging influenced matrix precipitate characteristics improve fatigue crack propagation in a high Zn-containing Al-Zn-Mg-Cu alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 716, 42-54.	5.6	58
14	Single-stage aging behaviour and precipitate evolution in a high Zn-containing Al-9.78Zn-2.02Mg-1.76Cu alloy. Materials Science and Technology, 2018, 34, 718-724.	1.6	7
15	Microstructure and electrolysis behavior of self-healing Cu-Ni-Fe composite inert anodes for aluminum electrowinning. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 1208-1216.	4.9	5
16	Effects of Zn addition on the age hardening behavior and precipitation evolution of an Al-Mg-Si-Cu alloy. Materials Characterization, 2018, 145, 258-267.	4.4	45
17	Mechanical properties, microstructure and surface quality of Al-1.2Mg-0.6Si-0.2Cu alloy after solution heat treatment. Rare Metals, 2017, 36, 550-555.	7.1	11
18	Microstructure of as-extruded 7136 aluminum alloy and its evolution during solution treatment. Rare Metals, 2017, 36, 256-262.	7.1	15

#	ARTICLE	IF	CITATIONS
19	Phases and microstructures of high Zn-containing Al–Zn–Mg–Cu alloys. <i>Rare Metals</i> , 2016, 35, 380-384.	7.1	25
20	Aging behavior and precipitate characterization of a high Zn-containing Al-Zn-Mg-Cu alloy with various tempers. <i>Materials and Design</i> , 2016, 101, 16-23.	7.0	126
21	Microstructural evolution of Al–0.66Mg–0.85Si alloy during homogenization. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 939-945.	4.2	26
22	Effect of Zn addition on microstructure and mechanical properties of an Al–Mg–Si alloy. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 97-100.	4.4	52
23	Thermodynamic calculation of high zinc-containing Al-Zn-Mg-Cu alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 1481-1487.	4.2	39
24	Investigation of microstructural evolution and mechanical properties during two-step ageing treatment at 115 and 160 °C in an Al–Zn–Mg–Cu alloy pre-stretched thick plate. <i>Materials Characterization</i> , 2008, 59, 278-282.	4.4	54
25	Microstructural evolution of aluminum alloy 7B04 thick plate by various thermal treatments. <i>Transactions of Nonferrous Metals Society of China</i> , 2008, 18, 40-45.	4.2	17
26	Microstructure and mechanical properties of spray-deposited Al–Zn–Mg–Cu alloy. <i>Materials & Design</i> , 2007, 28, 1154-1158.	5.1	37
27	Numerical Simulation on the Effect of Conveyor Velocity of the Roller Table on Stress Distribution and Evolution in Large Aluminum Alloy Thick Plates. <i>Journal of Shanghai Jiaotong University (Science)</i> , 0, , 1.	0.9	0