

# Guangjie Huang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Initial Microstructure on the Hot Deformation Behavior and Microstructure Evolution of Aluminum Alloy AA2060. <i>Metals and Materials International</i> , 2022, 28, 1561-1574.	1.8	2
2	A quantitative study on planar mechanical anisotropy of a Mg-2Zn-1Ca alloy. <i>Journal of Materials Science and Technology</i> , 2022, 109, 30-48.	5.6	15
3	Solute atom mediated Hall-Petch relations for magnesium binary alloys. <i>Scripta Materialia</i> , 2022, 210, 114451.	2.6	24
4	Microstructure and Texture of an Aluminum Plate Produced by Multipass Cold Rolling and Graded Annealing Process. <i>Metals</i> , 2022, 12, 260.	1.0	6
5	Effect of Residual Deformation Energy and Critical Heating Rate on Cubic Texture and Grain Growth Behavior of Severely Deformed Aluminum Foil. <i>Materials</i> , 2022, 15, 1395.	1.3	1
6	Microstructure refinement, strengthening and ductilization mechanisms in Al-Mg-Mn-Er-Zr alloy with high Mn content by friction stir processing. <i>Materials Characterization</i> , 2022, 189, 111939.	1.9	11
7	Tailoring the microstructure and texture of a dual-phase Mg-Li alloy by varying the rolling path. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 844, 143202.	2.6	5
8	The evolution of main textures and the formation of P orientation with nanoprecipitates after friction stir processing. <i>Journal of Manufacturing Processes</i> , 2022, 80, 591-599.	2.8	2
9	Quantitative analysis of grain structure and texture evolution of dissimilar AA2024/7075 joints manufactured by friction stir welding. <i>Materials Today Communications</i> , 2021, 26, 101920.	0.9	6
10	Orientation-Dependent Characteristics for Residual Grains during Hot Deformation of Nickel-Based Alloy 925. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 1296-1306.	1.5	4
11	Research on local corrosion behavior of thermo-mechanically affected zone in dissimilar AA2024/7075 friction stir welds. <i>Intermetallics</i> , 2021, 130, 107081.	1.8	21
12	Effect of Two-Stage Homogenization Heat Treatment on Microstructure and Mechanical Properties of AA2060 Alloy. <i>Crystals</i> , 2021, 11, 40.	1.0	3
13	Fracture morphology and crack mechanism in pure polycrystalline magnesium under tension-compression fatigue testing. <i>Rare Metals</i> , 2020, 39, 162-168.	3.6	6
14	Influence of tool rotational speed on local microstructure, mechanical and corrosion behavior of dissimilar AA2024/7075 joints fabricated by friction stir welding. <i>Journal of Manufacturing Processes</i> , 2020, 49, 214-226.	2.8	52
15	Characterizations of microstructure, crystallographic texture and mechanical properties of dissimilar friction stir welding joints for AA2024 and AA7075 under different tool shoulder end profiles. <i>Materials Today Communications</i> , 2020, 25, 101435.	0.9	11
16	Investigation on microstructure and localized corrosion behavior in the stir zone of dissimilar friction-stir-welded AA2024/7075 joint. <i>Journal of Materials Science</i> , 2020, 55, 15005-15032.	1.7	18
17	Microstructure and mechanical properties in dissimilar friction stir welded AA2024/7075 joints at high heat input: effect of post-weld heat treatment. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14771-14782.	2.6	17
18	Hot Deformation Behavior and Microstructure Characterization of an Al-Cu-Li-Mg-Ag Alloy. <i>Crystals</i> , 2020, 10, 416.	1.0	16

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19	Microstructure evolution of thermo-mechanically affected zone in dissimilar AA2024/7075 joint produced by friction stir welding. <i>Vacuum</i> , 2020, 179, 109515.	1.6	20
20	Dynamic behavior and modified artificial neural network model for predicting flow stress during hot deformation of Alloy 925. <i>Materials Today Communications</i> , 2020, 25, 101329.	0.9	26
21	Microstructure and mechanical properties of dissimilar friction stir welded AA2024-7075 joints: Influence of joining material direction. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 766, 138368.	2.6	26
22	Effect of Heat Treatment Condition on the Flow Behavior and Recrystallization Mechanisms of Aluminum Alloy 7055. <i>Materials</i> , 2019, 12, 311.	1.3	25
23	On the microstructure and mechanical properties of similar and dissimilar AA7075 and AA2024 friction stir welding joints: Effect of rotational speed. <i>Journal of Manufacturing Processes</i> , 2019, 37, 470-487.	2.8	48
24	Optimization of Tensile and Corrosion Properties of Dissimilar Friction Stir Welded AA2024-7075 Joints. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 183-199.	1.2	16
25	Effect of dynamic strain aging and precipitation on the hot deformation behavior of 253MA heat-resistant alloy. <i>Journal of Materials Science</i> , 2019, 54, 1716-1727.	1.7	12
26	Effect of pre-recovery on subsequent recrystallization kinetics in moderately deformed and supersaturated Al-Mn alloys. <i>Journal of Central South University</i> , 2018, 25, 534-542.	1.2	2
27	Influence of dynamic strain aging on the mechanical properties and microstructural evolution for Alloy 800H during hot deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 724, 37-44.	2.6	21
28	Effect of ageing temperature on precipitation of Al-Cu-Li-Mn-Zr alloy. <i>Journal of Central South University</i> , 2018, 25, 1340-1349.	1.2	8
29	Partial transient-liquid-phase bonding of TiC cermet to stainless steel using impulse pressuring with Ti/Cu/Nb interlayer. <i>Journal of Central South University</i> , 2018, 25, 1025-1032.	1.2	7
30	The effect of hot rolling regime on texture and mechanical properties of an as-cast Mg <sub>2</sub> Zn <sub>2</sub> Gd plate. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 731, 288-295.	2.6	22
31	Hot deformation behavior and microstructure of AA2195 alloy under plane strain compression. <i>Materials Characterization</i> , 2017, 131, 500-507.	1.9	55
32	Evaluation of Textural Effect on the Rollability of AZ31 Alloys by Wedge-Shaped Sample Design. <i>Advanced Engineering Materials</i> , 2017, 19, 1700035.	1.6	2
33	Tailoring the microstructure and mechanical properties of the final Al-Mn foils by different intermediate annealing process. <i>Journal of Materials Science and Technology</i> , 2017, 33, 961-970.	5.6	7
34	Investigation on formation mechanism of T1 precipitate in an Al-Cu-Li alloy. <i>Journal of Alloys and Compounds</i> , 2017, 723, 661-666.	2.8	72
35	Influence of pre-recovery on the subsequent recrystallization and mechanical properties of a twin-roll cast Al-Mn alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 682, 63-72.	2.6	25
36	Tailoring the texture and mechanical anisotropy of a Mg <sub>2</sub> Zn <sub>2</sub> Gd plate by varying the rolling path. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 653, 93-98.	2.6	39

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37	Heat Transfer Modeling of an Annular On-Line Spray Water Cooling Process for Electric-Resistance-Welded Steel Pipe. PLoS ONE, 2015, 10, e0131574.	1.1	4
38	Influence of extrusion ratio on microstructure and texture developments of high-temperature extruded AZ31 Mg alloy. Science China Technological Sciences, 2012, 55, 490-495.	2.0	11
39	Tailoring the texture of magnesium alloy by twinning deformation to improve the rolling capability. Scripta Materialia, 2011, 64, 986-989.	2.6	168
40	Influence of rolling ways on microstructure and anisotropy of AZ31 alloy sheet. Transactions of Nonferrous Metals Society of China, 2010, 20, s589-s593.	1.7	28
41	Dislocation Boundary Structure from Low to Medium Strain of Cold Rolling AA3104 Aluminum Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 1487-1497.	1.1	18
42	Microstructure evolution of cast Al-Si-Cu alloys in solution treatment. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 184-188.	0.4	3
43	Computation model for corrosion resistance of nanocrystalline zircaloy-4. Frontiers of Energy and Power Engineering in China, 2008, 2, 386-389.	0.4	1