

# Jiqiang Chen

## List of Publications by Year in descending order

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18  
papers

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citations

840728

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888047

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all docs

18  
docs citations

18  
times ranked

92  
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#	ARTICLE	IF	CITATIONS
1	Effect of crystal orientations and precipitates on the corrosion behavior of the Al-Cu alloy using single crystals. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161858.	5.5	9
2	Microstructure and properties of 7075 aluminum alloy welding joint using different filler metals. <i>Materials Today Communications</i> , 2022, 31, 103260.	1.9	10
3	The initial corrosion behavior of Al-Cu-Li bicrystals: effect of misorientation and precipitates. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3716-3724.	5.8	6
4	Effects of Sc and Zr addition on the solidification and mechanical properties of Al-Fe alloys. <i>Journal of Materials Research and Technology</i> , 2022, 18, 112-121.	5.8	14
5	Optimization of heat treatment for an Al-Mg-Sc-Mn-Zr alloy with ultrafine grains manufactured by laser powder bed fusion. <i>Materials Characterization</i> , 2022, 189, 111977.	4.4	17
6	Effect of erbium (Er) on the hot cracking behaviour of Al-5Cu alloy. <i>Materials Science and Technology</i> , 2022, 38, 1501-1509.	1.6	1
7	The microstructure and property of Al-Si alloy improved by the Sc-microalloying and $Y_2O_3$ nano-particles. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 205-217.	6.1	13
8	Effect of TiC nanoparticles on the hot deformation behavior of AA7075 aluminum alloy. <i>Materials Characterization</i> , 2021, 181, 111508.	4.4	11
9	Stress aging of Al-Cu-Mg-Ag single crystal: The effect of the loading orientations. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152635.	5.5	16
10	Effect of ageing treatments on the precipitation behavior and mechanical properties of Al-Cu-Li alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138885.	5.6	44
11	Effect of microalloying and tensile deformation on the internal structures of eutectic Si phase in Al-Si alloy. <i>Journal of Materials Research and Technology</i> , 2020, 9, 4682-4691.	5.8	22
12	Enhancing the Corrosion Resistance of Al-Cu-Li Alloys through Regulating Precipitation. <i>Materials</i> , 2020, 13, 2628.	2.9	7
13	Improving the comprehensive mechanical property of the rheo-extruded Al-Fe alloy by severe rolling deformation. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1768-1779.	5.8	12
14	A three-dimensional characterization method for the preferentially oriented precipitation of $\theta'$ -phase in stress-aged Al-Cu-Mg-Ag single crystal. <i>Materials Characterization</i> , 2019, 153, 184-189.	4.4	17
15	Microstructure and Mechanical Behavior of Friction Stir-Welded Sc-Modified Al-Zn-Mg Alloys Made Using Different Base Metal Tempers. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 916-925.	2.5	16
16	Revisit the stress-orienting effect of $\theta'$ in Al-Cu single crystal during stress aging. <i>Materials Characterization</i> , 2018, 135, 270-277.	4.4	25
17	Effect of loading orientations on the microstructure and property of Al-Cu single crystal during stress aging. <i>Materials Characterization</i> , 2016, 117, 35-40.	4.4	18
18	Changing distribution and geometry of $\theta'$ in Al-Cu-Mg single crystals during stress aging by controlling the loading orientation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 650, 154-160.	5.6	26