

# Di Zhang

## List of Publications by Year in descending order

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15  
papers

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citations

623734

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docs citations

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times ranked

268  
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#	ARTICLE	IF	CITATIONS
1	Quantifying early-stage precipitation strengthening of Al-Mg-Zn(-Cu) alloy by using particle size distribution. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 839, 142851.	5.6	19
2	The effect of Ag on the tensile strength and fracture toughness of novel Al-Mg-Zn alloys. <i>Journal of Alloys and Compounds</i> , 2022, 908, 164640.	5.5	15
3	Precipitation hardening and intergranular corrosion behavior of novel Al-Mg-Zn(-Cu) alloys. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157199.	5.5	52
4	Friction stir welding of novel T-phase strengthened Zn-modified Al-Mg alloy. <i>Journal of Materials Science</i> , 2021, 56, 5283-5295.	3.7	6
5	Dependence of microstructure, mechanical properties, and inter-granular corrosion behavior of Al-5.1Mg-3.0Zn-0.15Cu alloys with high temperature pre-treatment. <i>Materials Characterization</i> , 2020, 168, 110512.	4.4	24
6	Strengthening mechanism of age-hardenable Al-Mg-3Zn alloys. <i>Materials Science and Technology</i> , 2019, 35, 1071-1080.	1.6	21
7	Microstructure characterization in a sensitized Al-Mg-Mn-Zn alloy. <i>Rare Metals</i> , 2018, 37, 129-135.	7.1	15
8	Precipitation hardening behavior and microstructure evolution of Al-5.1Mg-0.15Cu alloy with 3.0Zn (wt%) addition. <i>Journal of Materials Science</i> , 2018, 53, 3846-3861.	3.7	72
9	The effect of grain boundary character evolution on the intergranular corrosion behavior of advanced Al-Mg-3wt%Zn alloy with Mg variation. <i>Materials Characterization</i> , 2018, 146, 47-54.	4.4	27
10	Intergranular corrosion resistance of Zn modified 5A series Al alloy during retrogression and re-aging treatment. <i>Materials Characterization</i> , 2018, 144, 264-273.	4.4	32
11	Improved age-hardening response and altered precipitation behavior of Al-5.2Mg-0.45Cu-2.0Zn (wt%) alloy with pre-aging treatment. <i>Journal of Alloys and Compounds</i> , 2017, 691, 40-43.	5.5	56
12	Effects of Cu addition on the precipitation hardening response and intergranular corrosion of Al-5.2Mg-2.0Zn (wt.%) alloy. <i>Materials Characterization</i> , 2016, 122, 177-182.	4.4	59
13	Enhanced and accelerated age hardening response of Al-5.2Mg-0.45Cu (wt%) alloy with Zn addition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 666, 34-42.	5.6	42
14	Correlations between stress corrosion cracking, grain boundary precipitates and Zn content of Al-Mg-Zn alloys. <i>Journal of Alloys and Compounds</i> , 2016, 655, 178-187.	5.5	78
15	Mechanical properties, intergranular corrosion behavior and microstructure of Zn modified Al-Mg alloys. <i>Journal of Alloys and Compounds</i> , 2014, 617, 925-932.	5.5	103