Di Zhang

List of Publications by Year
in descending order

15 papers	621 citations	623734 14 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	268 citing authors

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