

# Lingbao Ren

## List of Publications by Year in descending order

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16  
papers

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citations

1040056

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Effect of heat treatment on the microstructure and mechanical properties of AZ80M magnesium alloy fabricated by wire arc additive manufacturing. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 1930-1940.	11.9	33
2	Formability, microstructure evolution and mechanical properties of wire arc additively manufactured AZ80M magnesium alloy using gas tungsten arc welding. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 192-201.	11.9	59
3	The effect of Y and Nd additions on the microstructure and creep behavior of AZ80. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 801, 140397.	5.6	2
4	Eutectic phase strengthening and strain rate sensitivity behavior of AZ80 magnesium alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 770, 138548.	5.6	14
5	The Effect of Equal Channel Angular Pressing on Coarsening Kinetics of AZ80â€“0.2Yâ€“0.15Ca Alloy in Semisolid State. <i>Advanced Engineering Materials</i> , 2020, 22, 2000415.	3.5	1
6	Effect of Graphene Nanoplatelets Content on the Mechanical and Wear Properties of AZ31 Alloy. <i>Metals</i> , 2020, 10, 1265.	2.3	6
7	Multi-microalloying mediated grain growth and texture evolution during the high-temperature static recrystallization of AZ80 alloys. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155077.	5.5	10
8	Microstructure and mechanical properties of wire arc additively manufactured AZ80M magnesium alloy. <i>Materials Letters</i> , 2019, 247, 4-6.	2.6	57
9	Effect of Zn interlayer thickness on the microstructure and mechanical properties of two-step diffusion bonded joint of ZK60Mg and 5083Al. <i>Vacuum</i> , 2019, 161, 353-360.	3.5	25
10	Effect of 0.4Âwt% yttrium addition and heat treatment on the high-temperature compression behavior of cast AZ80. <i>Journal of Materials Science</i> , 2019, 54, 5757-5772.	3.7	4
11	An investigation on plasma-MIG hybrid welding of 5083 aluminum alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 98, 1433-1440.	3.0	33
12	The Microstructure Evolution and Deformation Behavior of AZ80 During Gradient Increment Cyclic Loading. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 3692-3702.	2.2	3
13	Magnesium application in railway rolling stocks: A new challenge and opportunity for lightweighting. <i>International Journal of Lightweight Materials and Manufacture</i> , 2018, 1, 81-88.	2.1	24
14	The Effects of Carbon Nanotubes on the Mechanical and Wear Properties of AZ31 Alloy. <i>Materials</i> , 2017, 10, 1385.	2.9	49
15	Plastic behavior of AZ80 alloy during low strain rate tension at elevated temperature. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 612, 278-286.	5.6	17
16	Effects of the carbon nanotube length on its chemically modified electrode electrochemical performances. <i>Procedia Engineering</i> , 2012, 27, 1405-1410.	1.2	0