Mehrab Lotfpour

List of Publications by Year
in descending order

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12 papers	217 citations	1163117 8 h-index	1372567 10 g-index

12 all docs	12 docs citations	12 times ranked	123 citing authors

#	Article	IF	Citations
1	Enhanced mechanical properties of as-cast AZ91 magnesium alloy by combined RE-Sr addition and hot extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 792, 139817.	5.6	60
2	In- vitro corrosion behavior of the cast and extruded biodegradable Mg-Zn-Cu alloys in simulated body fluid (SBF). Journal of Magnesium and Alloys, 2021, 9, 2078-2096.	11.9	38
3	Influence of Cu Addition on the Structure, Mechanical and Corrosion Properties of Cast Mg-2%Zn Alloy. Journal of Materials Engineering and Performance, 2017, 26, 2136-2150.	2.5	26
4	Effect of microalloying by Ca on the microstructure and mechanical properties of as-cast and wrought Mgâ€“Mg2Si composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 820, 141574.	5.6	26
5	Microstructure Evolution and Mechanical Properties of the AZ91 Magnesium Alloy with Sr and Ti Additions in the As-Cast and As-Aged Conditions. Journal of Materials Engineering and Performance, 2019, 28, 6853-6863.	2.5	17
6	The Microstructure, and Mechanical and Corrosion Properties of As-Cast and As-Extruded Mg-2%Zn-x%Cu Alloys After Solution and Aging Heat Treatments. Journal of Materials Engineering and Performance, 2019, 28, 2305-2315.	2.5	14
7	Ca Addition Effects on the Microstructure, Tensile and Corrosion Properties of Mg Matrix Alloy Containing 8Âwt.% Mg2Si. Journal of Materials Engineering and Performance, 2018, 27, 411-422.	2.5	13
8	Influence of Cu Addition on the Microstructure, Mechanical, and Corrosion Properties of Extruded Mg-2%Zn Alloy. Journal of Materials Engineering and Performance, 2020, 29, 2991-3003.	2.5	13
9	Microstructure and mechanical properties of the Mgâ€“Znâ€“Cu/SiCp composite in the as-cast and as-extruded conditions. Journal of Materials Research, 2019, 34, 3707-3716.	2.6	4
10	Effects of Al3Ni and Al7Cr Intermetallics and T6 Heat Treatment on the Microstructure and Tensile Properties of Al-Zn-Mg-Cu Alloy. Journal of Materials Engineering and Performance, 2020, 29, 3432-3442.	2.5	4
11	Complex reaction behaviour of ceramic mould with the molten AZ91 alloy during investment casting. Materials Science and Technology, 2021, 37, 377-383.	1.6	1
12	Microstructure, tensile and bending behaviour of the as-cast AM50 alloy modified with different antimony and copper additions. Materials Science and Technology, 2021, 37, 86-102.	1.6	1