

Hyun-Kyu Lim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hot Compression Behavior of New Al-6Mg and Al-8Mg Alloy with Improved Hot Workability Fabricated by Direct Chill Casting Method. <i>Metals</i> , 2021, 11, 288.	2.3	3
2	Influence of Si Content on Tensile Properties and Fractography of Al-Mg-Si Ternary Alloys. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2005-2009.	0.9	4
3	Stretch Forming Behavior and Constitutive Equation of a Modified 5083 Alloy with High Mg Content at Elevated Temperatures. <i>Metals</i> , 2021, 11, 410.	2.3	4
4	Effect of Cu Addition on the Precipitation Hardening and Mechanical Properties of Al-Mg Based Cast Alloys. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 1943-1947.	0.9	3
5	Inverse Design of Fe-Based Bulk Metallic Glasses Using Machine Learning. <i>Metals</i> , 2021, 11, 729.	2.3	14
6	Intergranular Corrosion and Microstructural Evolution in a Newly Designed Al-6Mg Alloy. <i>Materials</i> , 2021, 14, 3314.	2.9	4
7	Effect of Al ₂ Ca Addition and Heat Treatment on the Microstructure Modification and Tensile Properties of Hypo-Eutectic Al-Mg-Si Alloys. <i>Materials</i> , 2021, 14, 4588.	2.9	6
8	Effect of Si Addition on Flow Behavior in Al-Mg and Al-Mg-Si Molten Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 6670-6678.	2.2	4
9	Experimental Investigation of MgAl ₂ O ₄ Spinel Formation in Oxidation of Al-Mg Alloys. <i>Minerals, Metals and Materials Series</i> , 2020, , 460-464.	0.4	1
10	Oxide Scale Behavior and Surface Protection of Al-Mg Alloys Containing a Trace of Ca. <i>International Journal of Metalcasting</i> , 2019, 13, 121-129.	1.9	12
11	Effect of Zr Addition on the Corrosion Behavior of Extruded Mg Alloys in NaCl Solution. <i>Materials Transactions</i> , 2018, 59, 499-502.	1.2	1
12	Effect of Ca addition on selective oxidation of Al ₃ Mg ₂ phase in Al-5% mass% Mg alloy. <i>Materials Letters</i> , 2018, 228, 108-111.	2.6	18
13	Pilling-Bedworth Ratio Approach to Surface Oxidation of Al ₂ Ca and Its Experimental Verification. <i>Science of Advanced Materials</i> , 2018, 10, 697-700.	0.7	8
14	Microstructural characterization of oxide layers in CaO added AZ31 Mg alloy. <i>Journal of Alloys and Compounds</i> , 2017, 714, 397-408.	5.5	17
15	Effect of Heat Treatment on Microstructure and Hardness of Cu-Mg Alloy with a Trace of Ca. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7820-7823.	0.9	2
16	Optimization of Nitrogen Bubbling Conditions for Mg Extruded Alloy with Balanced Mechanical Properties. <i>Minerals, Metals and Materials Series</i> , 2017, , 335-339.	0.4	0
17	Microstructure and Creep Behavior of CaO added Mg-Al-Si Alloys. <i>Journal of Korean Institute of Metals and Materials</i> , 2014, 52, 805-811.	1.0	1
18	Mechanical Properties and Bio-Corrosion Properties of CaO added ZM21 alloys as Biodegradable Materials. <i>Journal of Korean Institute of Metals and Materials</i> , 2014, 52, 949-956.	1.0	0