

Amir Bolouri

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Transient Rheological Behavior of Semisolid SEED-Processed 7075 Aluminum Alloys in Rapid Compression. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 2858-2867.	1.0	8
2	Semisolid Forming of Thin Plates with Microscale Features. Procedia Engineering, 2014, 81, 63-73.	1.2	8
3	Thixoforming A356 Aluminum Bipolar Plates at High Solid Fractions. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 363-371.	1.0	7
4	Thixoforging of Wrought Aluminum Thin Plates with Microchannels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2575-2589.	1.1	4
5	The effect of billets extruded by a curved and flat-face die on the semisolid characteristics and tensile properties of thixoformed products. International Journal of Advanced Manufacturing Technology, 2014, 70, 2139-2149.	1.5	7
6	Study on dimensional and corrosion properties of thixoformed A356 and AA7075 aluminum bipolar plates for proton exchange membrane fuel cells. Renewable Energy, 2014, 71, 616-628.	4.3	27
7	Tensile properties and microstructural characteristics of indirect rheoformed A356 aluminum alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 562, 1-8.	2.6	18
8	Characteristics of thixoformed A356 aluminum thin plates with microchannels. Materials Characterization, 2013, 82, 86-96.	1.9	12
9	Processing of Low-Carbon Cast Steels for Offshore Structural Applications. Materials and Manufacturing Processes, 2013, 28, 1260-1267.	2.7	6
10	The effect of heat treatment on the mechanical properties of a low carbon steel (0.1%) for offshore structural application. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2012, 226, 242-251.	0.7	3
11	Correlation between solid fraction and tensile properties of semisolid RAP processed aluminum alloys. Journal of Alloys and Compounds, 2012, 516, 192-200.	2.8	20
12	A study on semisolid processing of A356 aluminum alloy through vacuum-assisted electromagnetic stirring. International Journal of Advanced Manufacturing Technology, 2012, 58, 237-245.	1.5	35
13	Coarsening of equiaxed microstructure in the semisolid state of aluminum 7075 alloy through SIMA processing. Journal of Materials Science, 2012, 47, 3544-3553.	1.7	57
14	Study on the effects of the compression ratio and mushy zone heating on the thixotropic microstructure of AA 7075 aluminum alloy via SIMA process. Journal of Alloys and Compounds, 2011, 509, 402-408.	2.8	70
15	Microstructure and Rheological Properties of Semi-Solid 7075 Slurries Using SEED Rheocasting Process. Solid State Phenomena, 0, 256, 288-293.	0.3	13