

# Amir Bolouri

## List of Publications by Year in descending order

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15  
papers

295  
citations

1306789

7  
h-index

1058022

14  
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15  
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15  
docs citations

15  
times ranked

190  
citing authors

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