

# Amir

## List of Publications by Year in descending order

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25  
papers

388  
citations

932766

10  
h-index

794141

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

270  
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	High-performance bio-inspired composite T-joints. <i>Composites Science and Technology</i> , 2019, 184, 107840.	3.8	33
5	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
6	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
7	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
8	Effects of Iron-Rich Intermetallics and Grain Structure on Semisolid Tensile Properties of Al-Cu 206 Cast Alloys near Solidus Temperature. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 6466-6480.	1.1	17
9	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
10	Characteristics of thixoformed A356 aluminum thin plates with microchannels. <i>Materials Characterization</i> , 2013, 82, 86-96.	1.9	12
11	Investigating polyethersulfone interleaved Glass/Carbon hybrid composite under impact and its comparison with GLARE. <i>Composite Structures</i> , 2019, 226, 111268.	3.1	12
12	Effects of shot peening and artificial surface defects on fatigue properties of 50CrV4 steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 2961-2970.	1.5	9
13	Semisolid Forming of Thin Plates with Microscale Features. <i>Procedia Engineering</i> , 2014, 81, 63-73.	1.2	8
14	Effect of forming conditions on mechanical properties of rheoformed thin plates with microchannels using electromagnetic stirring. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2014, 228, 399-412.	1.5	8
15	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
16	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
17	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
18	A New Design for Friction Stir Spot Joining of Al Alloys and Carbon Fiber-Reinforced Composites. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4913-4921.	1.2	7

#	ARTICLE	IF	CITATIONS
19	Processing of Low-Carbon Cast Steels for Offshore Structural Applications. Materials and Manufacturing Processes, 2013, 28, 1260-1267.	2.7	6
20	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
21	Mechanical Properties and Microstructure of Thin Plates of A6061 Wrought Aluminum Alloy Using Rheology Forging Process with Electromagnetic Stirring. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 1068-1080.	1.0	4
22	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
23	Tensile Deformation Behavior of Al-Cu 206 Cast Alloys near the Solidus Temperature. Materials Science Forum, 2016, 877, 90-96.	0.3	2
24	Rheoforging of thin case for IT devices with optimal process parameters and new type die design. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 1021-1028.	1.1	1
25	Thin-Plate Forming by Thixo- and Rheoforging. Advances in Mechanical Engineering, 2014, 6, 371469.	0.8	0