

# Amir Hossein Baghdadi

## List of Publications by Year in descending order

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21  
papers

351  
citations

933447

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839539

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docs citations

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times ranked

243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite Element Analysis and Optimization of Equal-Channel Angular Rolling Process by Using Taguchi Methodology. <i>Journal of Materials Engineering and Performance</i> , 2023, 32, 176-184.	2.5	4
2	Challenges and solutions in the synthesis of nano-TiCN: A review. <i>Ceramics International</i> , 2022, 48, 8921-8929.	4.8	5
3	Mechanical Property Improvement in Dissimilar Friction Stir Welded Al5083/Al6061 Joints: Effects of Post-Weld Heat Treatment and Abnormal Grain Growth. <i>Materials</i> , 2022, 15, 288.	2.9	13
4	Mechanical properties and microstructures of a modified Al-Si-Cu alloy prepared by thixoforming process for automotive connecting rods. <i>Journal of Materials Research and Technology</i> , 2021, 10, 1086-1102.	5.8	29
5	Effect of Laser Metal Deposition Parameters on the Characteristics of Stellite 6 Deposited Layers on Precipitation-Hardened Stainless Steel. <i>Materials</i> , 2021, 14, 5662.	2.9	19
6	Microstructural evolution, dislocation density and tensile properties of Al-6.5Si-2.1Cu-0.35Mg alloy produced by different casting processes. <i>Journal of Materials Science and Technology</i> , 2021, 95, 145-157.	10.7	19
7	Effects of rapid heating and uniaxial loading on the phase transformation and mechanical properties of direct partial remelted butt joint of AISI D2 tool steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 797, 140250.	5.6	6
8	Friction Stir Welding Parameters: Impact of Abnormal Grain Growth during Post-Weld Heat Treatment on Mechanical Properties of Al-Mg-Si Welded Joints. <i>Metals</i> , 2020, 10, 1607.	2.3	17
9	Effects of Pre-Weld Heat Treatment and Heat Input on Metallurgical and Mechanical Behaviour in HAZ of Multi-Pass Welded IN-939 Superalloy. <i>Metals</i> , 2020, 10, 1453.	2.3	9
10	Effect of Partial Solution Treatment Temperature on Microstructure and Tensile Properties of 440C Martensitic Stainless Steel. <i>Metals</i> , 2020, 10, 694.	2.3	9
11	Cold-Rolling Strain Hardening Effect on the Microstructure, Serration-Flow Behaviour and Dislocation Density of Friction Stir Welded AA5083. <i>Metals</i> , 2020, 10, 70.	2.3	23
12	Effect of intermetallic compounds on the fracture behavior of dissimilar friction stir welding joints of Mg and Al alloys. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 1285-1298.	4.9	27
13	Synthesis, Characterization, and Antibacterial Activity of Ag <sub>2</sub> O-Loaded Polyethylene Terephthalate Fabric via Ultrasonic Method. <i>Nanomaterials</i> , 2019, 9, 450.	4.1	28
14	Effect of post-weld heat treatment on the mechanical behavior and dislocation density of friction stir welded Al6061. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 728-734.	5.6	66
15	Effect of Process Parameters on Interfacial Bonding Properties of Aluminium-Copper Clad Sheet Processed by Multi-Pass Friction Stir-Welding Technique. <i>Metals</i> , 2019, 9, 1159.	2.3	16
16	WELDABILITY AND MECHANICAL PROPERTIES OF DISSIMILAR AL-MGSI TO PURE ALUMINIUM AND AL-MG USING FRICTION STIR WELDING PROCESS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018, 81, .	0.4	7
17	Effect of Travel Speed on Quality and Welding Efficiency of Friction Stir Welded AZ31B Magnesium Alloy. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 94.	0.3	8
18	Effect of tool offsetting on microstructure and mechanical properties dissimilar friction stir welded Mg-Al alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 238, 012018.	0.6	15

#	ARTICLE	IF	CITATIONS
19	Friction stir welding of similar and dissimilar aluminium alloys for automotive applications. International Journal of Automotive and Mechanical Engineering, 2016, 13, 3401-3412.	0.9	24
20	Study on Microstructure and Tensile Properties of New Cu-Al Bi-Metal Tubes Versus Pure Copper Tubes. Applied Mechanics and Materials, 2013, 420, 160-166.	0.2	1
21	Fatigue and Mechanical Properties of Aluminium-Copper Bi-Metal Tubes. Advanced Materials Research, 0, 896, 626-629.	0.3	6