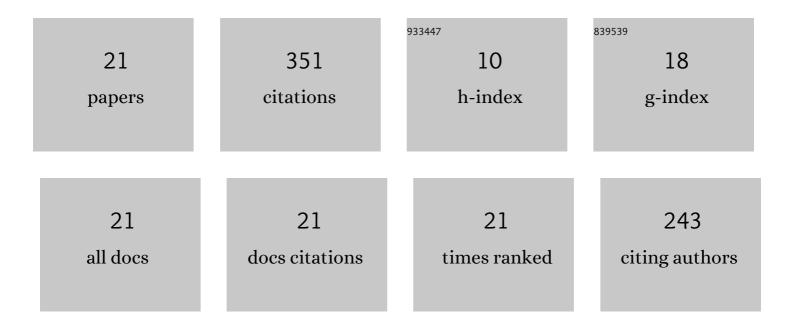
## Amir Hossein Baghdadi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Finite Element Analysis and Optimization of Equal-Channel Angular Rolling Process by Using Taguchi Methodology. Journal of Materials Engineering and Performance, 2023, 32, 176-184.	2.5	4
2	Challenges and solutions in the synthesis of nano-TiCN: A review. Ceramics International, 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. Materials, 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. Journal of Materials Research and Technology, 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. Materials, 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. Journal of Materials Science and Technology, 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Metals, 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. Metals, 2020, 10, 1453.	2.3	9
10	Effect of Partial Solution Treatment Temperature on Microstructure and Tensile Properties of 440C Martensitic Stainless Steel. Metals, 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. Metals, 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. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 1285-1298.	4.9	27
13	Synthesis, Characterization, and Antibacterial Activity of Ag2O-Loaded Polyethylene Terephthalate Fabric via Ultrasonic Method. Nanomaterials, 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Metals, 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. Jurnal Teknologi (Sciences and Engineering), 2018, 81, .	0.4	7
17	Effect of Travel Speed on Quality and Welding Efficiency of Friction Stir Welded AZ31B Magnesium Alloy. International Journal of Engineering and Technology(UAE), 2018, 7, 94.	0.3	8
18	Effect of tool offsetting on microstructure and mechanical properties dissimilar friction stir welded Mg-Al alloys. IOP Conference Series: Materials Science and Engineering, 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