Salman Nourouzi

List of Publications by Year in descending order

48 papers	560 citations	686830 13 h-index	752256 20 g-index
48 all docs	48 docs citations	48 times ranked	263 citing authors

#	Article	IF	Citations
1	Investigation of hydrodynamic deep drawing for conicalâ€“cylindrical cups. International Journal of Advanced Manufacturing Technology, 2011, 56, 915-927.	1.5	45
2	Effect of ECAP on microstructure and tensile properties of A390 aluminum alloy. Transactions of Nonferrous Metals Society of China, 2019, 29, 931-940.	1.7	35
3	Effects of Ti particles and T6 heat treatment on the microstructure and mechanical properties of A356 alloy fabricated by compocasting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 818, 141443.	2.6	31
4	Predictions of the optimized friction stir welding process parameters for joining AA7075-T6 aluminum alloy using preheating system. International Journal of Advanced Manufacturing Technology, 2014, 73, 1717-1737.	1.5	27
5	Modeling and experimental study of friction surfacing of AA2024 alloy over AA1050 plates. Materials Research Express, 2019, 6, 0865g2.	0.8	26
6	The effect of heat treatment and cooling conditions on friction stir processing of A390-10Âwt% SiC aluminium matrix composite. Materials Chemistry and Physics, 2021, 263, 124423.	2.0	26
7	Microstructure, mechanical and tribological properties of A390/SiC composite produced by compocasting. Transactions of Nonferrous Metals Society of China, 2019, 29, 710-721.	1.7	23
8	Effect of Welding Parameters on Microstructure, Thermal, and Mechanical Properties of Friction-Stir Welded Joints of AA7075-T6 Aluminum Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2792-2807.	1.1	22
9	Effect of mechtrode rotational speed on friction surfacing of AA2024 on AA1050 substrate. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 209-221.	2.3	20
10	Effects of prior ECAP process on the dynamic impact behaviors of hypereutectic Al-Si alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 793, 139902.	2.6	19
11	Effects of pre-heat treatment of the consumable rod on the microstructural and mechanical properties of the friction surfaced Al-Cu-Mg alloy over pure aluminum. Surface and Coatings Technology, 2021, 410, 126954.	2.2	17
12	Effect of friction surfacing parameters on microstructure and mechanical properties of solid-solutionized AA2024 aluminium alloy cladded on AA1050. Materials Chemistry and Physics, 2021, 269, 124756.	2.0	17
13	EBSD study of the microstructure and texture evolution in an Alâ€“Siâ€“Cu alloy processed by route A ECAP. Journal of Alloys and Compounds, 2021, 858, 157651.	2.8	16
14	Determination of the effective parameters on the fuel cell efficiency, based on sealing behavior of the system. International Journal of Hydrogen Energy, 2016, 41, 18147-18156.	3.8	15
15	Evaluating the microstructure and mechanical properties of friction stir processed Alâ€“Si alloy. Materials Science and Technology, 2019, 35, 1061-1070.	0.8	14
16	Texture and microstructure evolution of A390 aluminum alloy during ECAP. Materials Research Express, 2019, 6, 076536.	0.8	13
17	Fabrication of a laminated aluminium matrix composite using friction stir processing as a cladding method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115326.	1.7	13
18	Microstructural, tribological, and texture analysis of friction surfaced Al-Mg-Cu clad on AA1050 alloy. Surface and Coatings Technology, 2020, 397, 125980.	2.2	12

#	Article	IF	Citations
19	Statistical modelling and optimization of friction stir processing of A390-10Âwt% SiC compo-cast composites. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108166.	2.5	11
20	Microstructure Evolution of A356 Aluminum Alloy Produced by Cooling Slope Method. Advanced Materials Research, 0, 402, 272-276.	0.3	10
21	Analysis of welding parameters effects on microstructural and mechanical properties of Ti6Al4V and AA5052 dissimilar joint. Journal of Mechanical Science and Technology, 2018, 32, 3371-3377.	0.7	10
22	Microstructure and mechanical properties of AA6063 aluminum alloy wire fabricated by friction stir back extrusion (FSBE) process. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 1005-1012.	2.4	10
23	Effect of route BC-ECAP on microstructural evolution and mechanical properties of Alâ€“Siâ€“Cu alloy. Journal of Materials Science, 2021, 56, 3535-3550.	1.7	10
24	Fabrication of the laminated Al-Zn-Cup/Al-Zn composite using friction stir additive manufacturing. Materials Today Communications, 2021, 27, 102268.	0.9	10
25	Manufacturing of gradient Al/SiC composite wire by friction stir back extrusion. CIRP Journal of Manufacturing Science and Technology, 2021, 35, 735-743.	2.3	10
26	An Investigation on the Microstructure and Mechanical Properties of Al-Zn-Mg-Cu/Ti Composite Produced by Compocasting. International Journal of Metalcasting, 2022, 16, 1397-1414.	1.5	10
27	Water-assisted crystallization of nanoporous tin oxide formed by anodic oxidation on cold sprayed tin coating. Journal of Alloys and Compounds, 2021, 876, 160207.	2.8	9
28	Microstructure and mechanical properties of AA7075/Al3Ni composites produced by compocasting. Materials Today Communications, 2021, 28, 102537.	0.9	9
29	FSBE process: A technique for fabrication of aluminum wire with randomly oriented fine grains. Materials Letters, 2019, 241, 68-71.	1.3	8
30	Behavior of A356 Alloy in Semi-Solid State Produced by Mechanical Stirring. Advanced Materials Research, 0, 402, 331-336.	0.3	7
31	Hot tensile deformation and fracture behavior of friction stir processed Al-Si-Cu alloy. CIRP Journal of Manufacturing Science and Technology, 2021, 35, 41-52.	2.3	7
32	Investigation of Simultaneous Effects of Cooling Slope Casting and Mold Vibration on Mechanical and Microstructural Properties of A356 Aluminum Alloy. Metals and Materials International, 2022, 28, 1508-1516.	1.8	6
33	Sandwich Method: Strategy to Fabricate Al/SiC Composites by FSP. Transactions of the Indian Institute of Metals, 2019, 72, 3249-3259.	0.7	5
34	In-vitro evaluation and antibacterial activity of ZnO nanoparticles deposited on hydroxyapatite tablets by RF magnetron sputtering. Materials Today Communications, 2021, 28, 102520.	0.9	5
35	Friction Stir Processing of AA3105/SiC Composites Constructed Through the Sandwich Method: The Effects of FSP Variables. Transactions of the Indian Institute of Metals, 2021, 74, 429-438.	0.7	5
36	Microstructural and mechanical properties of Al-Al<SUB align="right">2O<SUB align="right">3 composites focus on experimental techniques. International Journal of Microstructure and Materials Properties, 2016, 11, 383.	0.1	5

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37	Microstructural and mechanical properties of Al-Al<SUB align="right">2O<SUB align="right">3 composites focus on experimental techniques. International Journal of Microstructure and Materials Properties, 2016, 11, 383.	0.1	4
38	Formation of highly uniform tin oxide nanochannels by electrochemical anodization on cold sprayed tin coatings. Surface and Coatings Technology, 2021, 410, 126978.	2.2	4
39	Influence of Thermomechanical Processing on the Microstructure and Tensile Behavior of Solution-Treated Al-18%Si-4.5%Cu Alloy. Journal of Materials Engineering and Performance, 2021, 30, 4651-4668.	1.2	4
40	Nanoscale Multi-Layer Thin Film Fabricated by Cathodic Arc Evaporation (CAE) Method. Journal of Superhard Materials, 2020, 42, 78-89.	0.5	3
41	Textural Evaluation of Alâ€“Siâ€“Cu Alloy Processed by Route BC-ECAP. Metals and Materials International, 2021, 27, 2756-2772.	1.8	3
42	Effects of Multipass Additive Friction Stir Processing on Microstructure and Mechanical Properties of Al-Zn-Cup/Al-Zn Laminated Composites. Jom, 2021, 73, 2844-2858.	0.9	2
43	AA3105/SiC composites fabricated by sandwich method: effect of overlapping. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	1
44	Effect of Route BC Equal-Channel Angular Pressing on the Microstructure, Microtexture, and Homogeneity of Al-18%Si-4.5%Cu Alloy. Journal of Materials Engineering and Performance, 2021, 30, 1577-1601.	1.2	1
45	The Effect of Bending Radius on Thickness Distribution in Hydroforming of Conical-Cylindrical Cups. Advanced Materials Research, 0, 284-286, 1362-1365.	0.3	0
46	Finite Element Simulation and Experimental Study of the Effect of Cone Angle on Thickness Distribution in Hydroforming of Conical-Cylindrical Cups. Advanced Materials Research, 2011, 284-286, 1385-1388.	0.3	0
47	Computational investigation of powder coating of nanoparticles in supersonic and hypersonic impactors. Particuology, 2013, 11, 273-281.	2.0	0
48	The effect of pulse frequency on the microstructure and surface mechanical properties of composite coatings on the surface of AISI304. International Journal of Materials Research, 2020, 111, 237-245.	0.1	0