

M S Salleh

List of Publications by Year in descending order

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423
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#	ARTICLE	IF	CITATIONS
1	Optimisation of mechanical stir casting parameters for fabrication of carbon nanotubes/aluminium alloy composite through Taguchi method. Journal of Materials Research and Technology, 2019, 8, 2223-2231.	5.8	66
2	The effects of Mg addition on the microstructure and mechanical properties of thixoformed Al-5%Si-Cu alloys. Journal of Alloys and Compounds, 2015, 621, 121-130.	5.5	65
3	An Overview of Semisolid Processing of Aluminium Alloys. ISRN Materials Science, 2013, 2013, 1-9.	1.0	60
4	Semisolid Metal Processing Techniques for Nondendritic Feedstock Production. Scientific World Journal, The, 2013, 2013, 1-16.	2.1	58
5	Microstructure and mechanical properties of thixoformed A319 aluminium alloy. Materials & Design, 2014, 64, 142-152.	5.1	44
6	Evaluation of the microstructure and dry sliding wear behaviour of thixoformed A319 aluminium alloy. Materials & Design, 2015, 76, 169-180.	5.1	42
7	Microstructural evolution during semisolid processing of Al-Si-Cu alloy with different Mg contents. Transactions of Nonferrous Metals Society of China, 2017, 27, 1483-1497.	4.2	35
8	Wear Properties of A356/Al ₂ O ₃ Metal Matrix Composites Produced by Semisolid Processing. Procedia Engineering, 2013, 68, 186-192.	1.2	33
9	Homogenous dispersion and interfacial bonding of carbon nanotube reinforced with aluminum matrix composite: A review. Reviews on Advanced Materials Science, 2019, 58, 295-303.	3.3	30
10	Influence of Cu content on microstructure and mechanical properties of thixoformed Al-Si-Cu-Mg alloys. Transactions of Nonferrous Metals Society of China, 2015, 25, 3523-3538.	4.2	23
11	Effects of Cu and Mg on thixoformability and mechanical properties of aluminium alloy 2014. Transactions of Nonferrous Metals Society of China, 2020, 30, 275-287.	4.2	23
12	Optimizing the processing conditions of sodium potassium niobate thin films prepared by sol-gel spin coating technique. Ceramics International, 2018, 44, 317-325.	4.8	22
13	Microstructural evolution and mechanical properties of thixoformed A319 alloys containing variable amounts of magnesium. Transactions of Nonferrous Metals Society of China, 2016, 26, 2029-2042.	4.2	20
14	A comprehensive review on cold work of AISI D2 tool steel. Metallurgical Research and Technology, 2018, 115, 104.	0.7	20
15	Study on Thixojoining Process Using Partial Remelting Method. Advances in Materials Science and Engineering, 2013, 2013, 1-8.	1.8	19
16	Effects of mechanical stirring and short heat treatment on thixoformed of carbon nanotube aluminium alloy composite. Journal of Alloys and Compounds, 2019, 788, 83-90.	5.5	16
17	Trend and Development of Semisolid Metal Joining Processing. Advances in Materials Science and Engineering, 2015, 2015, 1-13.	1.8	15
18	Microstructural Evolution during DPRM Process of Semisolid Ledeburitic D2 Tool Steel. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	13

#	ARTICLE	IF	CITATIONS
19	Dry sliding wear behaviour of thixoformed hypoeutectic Al-Si-Cu alloy with different amounts of magnesium. <i>Composite Interfaces</i> , 2016, 23, 519-531.	2.3	13
20	Effects of hybrid processing on microstructural and mechanical properties of thixoformed aluminum matrix composite. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155378.	5.5	13
21	Thermodynamic Modelling for Thixoformability of Al-Si Alloys for Semisolid Processing. <i>Advanced Science Letters</i> , 2013, 19, 3503-3507.	0.2	13
22	A New Design of Multi-Functional Portable Patient Bed. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 59, .	0.4	7
23	Microstructural Properties of Semisolid Welded Joints for AISI D2 Tool Steel. <i>Jurnal Kejuruteraan</i> , 2014, 26, 31-34.	0.3	7
24	Microstructural morphology of rheocast A319 aluminium alloy. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401664935.	1.6	6
25	Evolution of Globular Microstructures during Direct Partial Re-Melting Experiment of AISI D2 Tool Steel. <i>Applied Mechanics and Materials</i> , 0, 465-466, 829-833.	0.2	5
26	Spur Gear Design with an S-shaped Transition Curve Application Using Mathematica and CAD Tools. , 2009, , .		4
27	EFFECT OF THIXOFORMING ON THE WEAR PROPERTIES OF AL-SI-CU ALUMINUM ALLOY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2017, 79, .	0.4	4
28	Investigation of tangential force on ball nose rake face during high-speed milling of Inconel 718. <i>Advances in Materials and Processing Technologies</i> , 2018, 4, 378-384.	1.4	2
29	Spur Gear Design With an S-shaped Transition Curve Application Using MATHEMATICA and CAD Tools. , 2009, , .		1
30	Design consideration for design a flat and ring plastics part using Solidworks software. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 100, 012050.	0.6	1
31	MICROSTRUCTURAL CHANGES OF ALUMINIUM ALLOY A319 ON COOLING SLOPE PLATE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	1
32	EFFECT OF THIXOFORMING ON THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF AL-6%SI-3%CU ALLOY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2017, 79, .	0.4	1
33	Mamdani-Fuzzy Modeling Approach for Quality Prediction of Non-Linear Laser Lathing Process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 318, 012067.	0.6	1
34	MATHEMATICAL MODELLING AND CONCEPTUAL DESIGN OF NOVEL AUTOMATIC TYRE INFLATING SYSTEM. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018, 80, .	0.4	1
35	An extensive analysis of frequency and transient responses in S and C-shaped gears. <i>Australian Journal of Mechanical Engineering</i> , 2022, 20, 825-837.	2.1	1
36	Review on Experimental Design, Process Parameters and Responses of Compression Moulding Process. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 407-414.	0.4	1

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37	MICROSTRUCTURAL INVESTIGATION AND MECHANICAL PROPERTIES OF THIXOFORMED AL-6SI-XCU-0.3MG ALLOYS. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
38	Sugeno-Fuzzy Expert System Modeling for Quality Prediction of Non-Contact Machining Process. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012066.	0.6	0
39	Design and Optimization of Front Lower Control Arm (FLCA) for C-Segment Passenger Car. International Journal of Engineering and Technology(UAE), 2018, 7, 71.	0.3	0
40	Statistical analysis of second repair welding on dissimilar material using Taguchi method. Journal of Mechanical Engineering and Sciences, 2019, 13, 5021-5030.	0.6	0
41	Effect of Plunger Speed and Solid Fraction on Automotive Component by Thixoforming Simulation. International Journal of Automotive and Mechanical Engineering, 2020, 17, 7942-7955.	0.9	0