M S Salleh

List of Publications by Year
in descending order

41 papers	686 citations	567281 15 h-index	580821 25 g-index
41 all docs	41 docs citations	41 times ranked	423 citing authors

#	Article	IF	Citations
1	An extensive analysis of frequency and transient responses in S and C-shaped gears. Australian Journal of Mechanical Engineering, 2022, 20, 825-837.	2.1	1
2	Review on Experimental Design, Process Parameters and Responses of Compression Moulding Process. Lecture Notes in Mechanical Engineering, 2022, , 407-414.	0.4	1
3	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
4	Effects of hybrid processing on microstructural and mechanical properties of thixoformed aluminum matrix composite. Journal of Alloys and Compounds, 2020, 836, 155378.	5.5	13
5	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
6	Optimisation of mechanical stir casting parameters for fabrication of carbon nanotubesâ€“aluminium alloy composite through Taguchi method. Journal of Materials Research and Technology, 2019, 8, 2223-2231.	5.8	66
7	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
8	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
9	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
10	Investigation of tangential force on ball nose rake face during high-speed milling of Inconel 718. Advances in Materials and Processing Technologies, 2018, 4, 378-384.	1.4	2
11	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
12	A comprehensive review on cold work of AISIâ€‰D2 tool steel. Metallurgical Research and Technology, 2018, 115, 104.	0.7	20
13	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
14	Mamdani-Fuzzy Modeling Approach for Quality Prediction of Non-Linear Laser Lathing Process. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012067.	0.6	1
15	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
16	MATHEMATICAL MODELLING AND CONCEPTUAL DESIGN OF NOVEL AUTOMATIC TYRE INFLATING SYSTEM. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.4	1
17	Microstructural evolution during semisolid processing of Alâ€“Siâ€“Cu alloy with different Mg contents. Transactions of Nonferrous Metals Society of China, 2017, 27, 1483-1497.	4.2	35
18	EFFECT OF THIXOFORMING ON THE WEAR PROPERTIES OF AL-SI-CU ALUMINUM ALLOY. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	4

#	Article	IF	Citations
19	EFFECT OF THIXOFORMING ON THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF AL-6%SI-3%CU ALLOY. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	1
20	MICROSTRUCTURAL INVESTIGATION AND MECHANICAL PROPERTIES OF THIXOFORMED AL-6SI-XCU-0.3MG ALLOYS. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
21	MICROSTRUCTURAL CHANGES OF ALUMINIUM ALLOY A319 ON COOLING SLOPE PLATE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
22	Dry sliding wear behaviour of thixoformed hypoeutectic Alâ€“Siâ€“Cu alloy with different amounts of magnesium. Composite Interfaces, 2016, 23, 519-531.	2.3	13
23	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
24	Microstructural morphology of rheocast A319 aluminium alloy. Advances in Mechanical Engineering, 2016, 8, 168781401664935.	1.6	6
25	Design consideration for design a flat and ring plastics part using Solidworks software. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012050.	0.6	1
26	Trend and Development of Semisolid Metal Joining Processing. Advances in Materials Science and Engineering, 2015, 2015, 1-13.	1.8	15
27	Influence of Cu content on microstructure and mechanical properties of thixoformed Alâ€“Siâ€“Cuâ€“Mg alloys. Transactions of Nonferrous Metals Society of China, 2015, 25, 3523-3538.	4.2	23
28	Evaluation of the microstructure and dry sliding wear behaviour of thixoformed A319 aluminium alloy. Materials & Design, 2015, 76, 169-180.	5.1	42
29	The effects of Mg addition on the microstructure and mechanical properties of thixoformed Alâ€“5%Siâ€“Cu alloys. Journal of Alloys and Compounds, 2015, 621, 121-130.	5.5	65
30	A New Design of Multi-Functional Portable Patient Bed. Jurnal Teknologi (Sciences and Engineering), 2014, 59, .	0.4	7
31	Microstructure and mechanical properties of thixoformed A319 aluminium alloy. Materials & Design, 2014, 64, 142-152.	5.1	44
32	Microstructural Properties of Semisolid Welded Joints for AISI D2 Tool Steel. Jurnal Kejuruteraan, 2014, 26, 31-34.	0.3	7
33	Wear Properties of A356/Al2O3 Metal Matrix Composites Produced by Semisolid Processing. Procedia Engineering, 2013, 68, 186-192.	1.2	33
34	Study on Thixojoining Process Using Partial Remelting Method. Advances in Materials Science and Engineering, 2013, 2013, 1-8.	1.8	19
35	An Overview of Semisolid Processing of Aluminium Alloys. ISRN Materials Science, 2013, 2013, 1-9.	1.0	60
36	Semisolid Metal Processing Techniques for Nondendritic Feedstock Production. Scientific World Journal, The, 2013, 2013, 1-16.	2.1	58

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37	Microstructural Evolution during DPRM Process of Semisolid Ledeburitic D2 Tool Steel. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	13
38	Thermodynamic Modelling for Thixoformability of Alâ€“Si Alloys for Semisolid Processing. Advanced Science Letters, 2013, 19, 3503-3507.	0.2	13
39	Spur Gear Design With an S-shaped Transition Curve Application Using MATHEMATICA and CAD Tools. , 2009, , .		1
40	Spur Gear Design with an S-shaped Transition Curve Application Using Mathematica and CAD Tools. , 2009, , .		4
41	Evolution of Globular Microstructures during Direct Partial Re-Melting Experiment of AISI D2 Tool Steel. Applied Mechanics and Materials, 0, 465-466, 829-833.	0.2	5