

Mohd Amri Lajis

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Review on Recycling Aluminum Chips by Hot Extrusion Process. Procedia CIRP, 2015, 26, 761-766.	1.9	56
2	Evolutionary in Solid State Recycling Techniques of Aluminium: A review. Procedia CIRP, 2016, 40, 256-261.	1.9	47
3	Effects of workpiece preheating on surface roughness, chatter and tool performance during end milling of hardened steel D2. Journal of Materials Processing Technology, 2008, 201, 466-470.	6.3	43
4	A Sustainable Direct Recycling of Aluminum Chip (AA6061) in Hot Press Forging Employing Response Surface Methodology. Procedia CIRP, 2015, 26, 477-481.	1.9	43
5	The influence of temperature and preheating time in extrudate quality of solid-state recycled aluminum. International Journal of Advanced Manufacturing Technology, 2017, 90, 2631-2643.	3.0	28
6	Hot Press as a Sustainable Direct Recycling Technique of Aluminium: Mechanical Properties and Surface Integrity. Materials, 2017, 10, 902.	2.9	27
7	A review on direct hot extrusion technique in recycling of aluminium chips. International Journal of Advanced Manufacturing Technology, 2020, 106, 641-653.	3.0	27
8	Effect of Operating Temperature on Direct Recycling Aluminium Chips (AA6061) in Hot Press Forging Process. Applied Mechanics and Materials, 0, 315, 728-732.	0.2	26
9	Experimental investigation and economic analysis of surfactant (Span-20) in powder mixed electrical discharge machining (PMEDM) of AISI D2 hardened steel. Machining Science and Technology, 2020, 24, 398-424.	2.5	23
10	Multiresponse Optimization and Environmental Analysis in Direct Recycling Hot Press Forging of Aluminum AA6061. Materials, 2019, 12, 1918.	2.9	18
11	Statistical Optimization by the Response Surface Methodology of Direct Recycled Aluminum-Alumina Metal Matrix Composite (MMC-AIR) Employing the Metal Forming Process. Processes, 2020, 8, 805.	2.8	16
12	Optimization of Hot Press Forging Parameters in Direct Recycling of Aluminium Chip (AA 6061). Key Engineering Materials, 2014, 622-623, 223-230.	0.4	13
13	Mechanical properties of recycled aluminium chip reinforced with alumina (Al_2O_3) particle. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 306-310.	0.9	13
14	On the Role of Processing Parameters in Producing Recycled Aluminum AA6061 Based Metal Matrix Composite (MMC-AIR) Prepared Using Hot Press Forging (HPF) Process. Materials, 2017, 10, 1098.	2.9	12
15	Multi-response optimization of the machining characteristics in electrical discharge machining (EDM) using surfactant and chromium (Cr) powder mixed. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 329-335.	0.9	12
16	A Comprehensive Study on Surface Roughness in Machining of AISI D2 Hardened Steel. Advanced Materials Research, 0, 576, 60-63.	0.3	11
17	Weld strength in solid-state recycling of aluminum chips. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 290-298.	0.9	11
18	Surface Integrity in Hot Machining of AISI D2 Hardened Steel. Advanced Materials Research, 0, 500, 44-50.	0.3	10

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19	Effect of hot extrusion parameters on microhardness and microstructure in direct recycling of aluminium chips. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2019, 50, 718-723.	0.9	7
20	Influence of additive materials on the roughness of AISI D2 steel in electrical discharge machining (EDM) environment. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 719-724.	0.9	7
21	Performance Evaluation of PCBN in End Milling of AISI D2 Hardened Steel under Room and Preheated Machining Conditions. <i>Advanced Materials Research</i> , 0, 264-265, 901-906.	0.3	6
22	Tool Wear Performance of TiAlN/AlCrN Multilayer Coated Carbide Tool in Machining of AISI D2 Hardened Steel. <i>Advanced Materials Research</i> , 2012, 488-489, 462-467.	0.3	6
23	The Effects of TiAlN and TiN Coating during End Milling of INCONEL 718. <i>Applied Mechanics and Materials</i> , 0, 564, 566-571.	0.2	6
24	The influences of various mixed dielectric fluids on the performance electrical discharge machining of AISI D2 hardened steel. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2018, 49, 413-419.	0.9	6
25	Life Cycle Assessment on the Effects of Parameter Setting in Direct Recycling Hot Press Forging of Aluminum. <i>Materials Science Forum</i> , 0, 923, 143-148.	0.3	6
26	Machinability Performance of RBD Palm Oil as a Bio Degradable Dielectric Fluid on Sustainable Electrical Discharge Machining (EDM) of AISI D2 Steel. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 509-517.	0.4	6
27	High Performance in EDM Machining of AISI D2 Hardened Steel. <i>Advanced Materials Research</i> , 2012, 500, 259-265.	0.3	5
28	Conjectured the Behaviour of a Recycled Metal Matrix Composite (MMC) Developed through Hot Press Forging by Means of 3D FEM Simulation. <i>Materials</i> , 2018, 11, 958.	2.9	5
29	Preliminary studies on hydrothermal synthesis of zeolite from Malaysian kaolinite clays. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 421-425.	0.8	5
30	Development of surface roughness prediction model using response surface methodology in high speed end milling of AISI H13 tool steel. , 2007, , .		4
31	The Effect of EDM Die-Sinking Parameters on Material Characteristic for Aluminium Composite Using Tungsten Copper Electrode. <i>Applied Mechanics and Materials</i> , 0, 465-466, 1214-1218.	0.2	4
32	Microstructures and Tensile Characteristics on Direct Recycled Aluminium Chips AA6061/Al Powder by Hot Pressing Method. <i>Materials Science Forum</i> , 2017, 909, 9-14.	0.3	4
33	Influence of the spark heat on the electrode behavior in Powder Mixed-EDM environment. <i>Journal of Mechanical Engineering and Sciences</i> , 2019, 13, 6125-6143.	0.6	4
34	Preheating in End Milling of AISI D2 Hardened Steel with Coated Carbide Inserts. <i>Advanced Materials Research</i> , 0, 83-86, 56-66.	0.3	3
35	Taguchi Method Approach for Recycling Chip Waste from Machining Aluminum (AA6061) Using Hot Press Forging Process. <i>Advanced Materials Research</i> , 0, 845, 637-641.	0.3	3
36	The Effect of EDM Die-Sinking Parameters on Non-Conductive Materials. <i>Advanced Materials Research</i> , 0, 903, 56-60.	0.3	3

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37	Effects on Mechanical Properties of Solid State Recycled Aluminium 6061 by Extrusion Material Processing. Key Engineering Materials, 2017, 730, 317-320.	0.4	3
38	The effect of quenching on physical characteristics of recycled AA6061 aluminum chips. AIP Conference Proceedings, 2017, . .	0.4	3
39	Effect of Heat Treatment on Tensile Strength of Direct Recycled Aluminium Alloy (AA6061). Materials Science Forum, 2019, 961, 80-87.	0.3	3
40	Effect of Hot Extrusion Parameters on Tensile Strength and Fracture Behavior in Direct Recycling of Aluminium Alloy (6061) Chips. Materials Science Forum, 2020, 975, 229-234.	0.3	3
41	Development of Hot Equal Channel Angular Processing (ECAP) Consolidation Technique in the Production of Boron Carbide(B4C)-Reinforced Aluminium Chip (AA6061)-Based Composite. International Journal of Renewable Energy Development, 2021, 10, 607-621.	2.4	3
42	Modelling and optimization of Chromium Powder Mixed EDM Parameter Effect Over the Surface Characteristics by Response Surface Methodology Approach. International Journal of Engineering Materials and Manufacture, 2018, 3, 78-86.	0.3	3
43	Effect of Higher Peak Current and Pulse Duration on EWR of Copper Electrode when Electrical Discharge Machining (EDM) of Inconel 718. Advanced Materials Research, 0, 845, 945-949.	0.3	2
44	Surface Topography in Machining of AISI D2 Hardened Steel. Applied Mechanics and Materials, 0, 315, 660-664.	0.2	2
45	Investigation of Tool Wear, Tool Life and Surface Roughness when Machining AISI D2 Hardened Steel Using PVD TiAlN Coated Carbide Tools. Applied Mechanics and Materials, 0, 465-466, 1098-1102.	0.2	2
46	Strength Performance of Micro Alumina Reinforced Direct Recycled AA6061 Chips Based Matrix Composite. Materials Science Forum, 0, 961, 73-79.	0.3	2
47	Direct Recycling of Aluminium Chips into Composite Reinforced with <i>In Situ</i> Alumina Enrichment. Materials Science Forum, 2020, 975, 165-170.	0.3	2
48	Suppressed Vibrations During Thermal-assisted Machining of Titanium Alloy Ti-6Al-4V using PCD Inserts. Journal of Applied Sciences, 2012, 12, 2418-2423.	0.3	2
49	The Effect of EDM Die-Sinking Parameters on Material Characteristic for Aluminum Composite. Applied Mechanics and Materials, 0, 699, 26-31.	0.2	1
50	The Performance of Brass Electrode on Material Removal for Aluminium Composite in EDM Die-Sinking. Applied Mechanics and Materials, 2014, 660, 43-47.	0.2	1
51	The Effect of EDM Die-Sinking Parameters on Machining Characteristics in Aluminum Alloy Machining. Applied Mechanics and Materials, 0, 761, 303-307.	0.2	1
52	Integrating Simulation with Experiment for Recycled Metal Matrix Composite (MMC-Al _R) Developed through Hot Press Forging. Key Engineering Materials, 2018, 775, 493-498.	0.4	1
53	Effect of Thermally-Treated Chips on Density of AlMgSi Alloys Recycled Using Solid-State Technique. Processes, 2020, 8, 1406.	2.8	1
54	Study on the Wear Influence for Recycled AA6061 Aluminum/Al ₂ O ₃ Utilizing the Face Central-Full Factorial Technique (FCFFT). Lecture Notes in Mechanical Engineering, 2020, , 599-608.	0.4	1

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55	2301 A Review : The Potential of Powder Metallurgy in Recycling Aluminum Chips (Al 6061&Al 7075). The Proceedings of Design & Systems Conference, 2014, 2014.24, _2301-1_-_2301-8_.	0.0	1
56	Prediction of Tool Life and Experimental Investigation during Hot Milling of AISI H13 Tool Steel. Advanced Materials Research, 0, 83-86, 190-197.	0.3	0
57	Multi-Criteria Optimization in End Milling of AISI D2 Hardened Steel Using Coated Carbide Inserts. Advanced Materials Research, 2011, 264-265, 907-912.	0.3	0
58	Fabrication of Al-Sn Composites from Direct Recycling Aluminium Alloy 6061. Applied Mechanics and Materials, 0, 465-466, 1003-1007.	0.2	0
59	Effect of High Performance EDM on Surface Characteristics of AISI D2 Hardened Steel. Applied Mechanics and Materials, 2013, 315, 846-850.	0.2	0
60	Effect of Hot Press Forging Parameter on Microstructural Analysis and Mechanical Properties in Direct Recycling of Aluminium Aircraft Alloy (AA7075). Lecture Notes in Mechanical Engineering, 2021, , 279-288.	0.4	0
61	Case Study on Life Cycle Assessment of Car Fenders (Steel Versus Polymer). Lecture Notes in Mechanical Engineering, 2021, , 299-310.	0.4	0
62	Impact of Chromium Addition on the UTS and ETF of Aluminium Alloy AA6061 Chips Based Composite. Journal of Basic & Applied Sciences, 0, 18, 26-32.	0.0	0