

Azlan Ahmad

List of Publications by Year in descending order

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327
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#	ARTICLE	IF	CITATIONS
1	Effect of Unit Cell Type and Pore Size on Porosity and Mechanical Behavior of Additively Manufactured Ti6Al4V Scaffolds. <i>Materials</i> , 2018, 11, 2402.	2.9	102
2	Bio-ceramic coatings adhesion and roughness of biomaterials through PM-EDM: a comprehensive review. <i>Materials and Manufacturing Processes</i> , 2020, 35, 1157-1180.	4.7	55
3	Modelling and optimization of microhardness of electroless Ni-P-TiO ₂ composite coating based on machine learning approaches and RSM. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1010-1025.	5.8	48
4	A review on the corrosion resistance of electroless Ni-P based composite coatings and electrochemical corrosion testing methods. <i>Corrosion Reviews</i> , 2022, 40, 1-37.	2.0	28
5	Hot Press as a Sustainable Direct Recycling Technique of Aluminium: Mechanical Properties and Surface Integrity. <i>Materials</i> , 2017, 10, 902.	2.9	27
6	Multiresponse Optimization and Environmental Analysis in Direct Recycling Hot Press Forging of Aluminum AA6061. <i>Materials</i> , 2019, 12, 1918.	2.9	18
7	Statistical Optimization by the Response Surface Methodology of Direct Recycled Aluminum-Alumina Metal Matrix Composite (MMC-ALR) Employing the Metal Forming Process. <i>Processes</i> , 2020, 8, 805.	2.8	16
8	On the Role of Processing Parameters in Producing Recycled Aluminum AA6061 Based Metal Matrix Composite (MMC-ALR) Prepared Using Hot Press Forging (HPF) Process. <i>Materials</i> , 2017, 10, 1098.	2.9	12
9	Study and Use of Rice Husk Ash as a Source of Aluminosilicate in Refractory Coating. <i>Materials</i> , 2021, 14, 3440.	2.9	8
10	The Effect of Welding Current and Electrode Force on the Heat Input, Weld Diameter, and Physical and Mechanical Properties of SS316L/Ti6Al4V Dissimilar Resistance Spot Welding with Aluminum Interlayer. <i>Materials</i> , 2021, 14, 1129.	2.9	7
11	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
12	Conjectured the Behaviour of a Recycled Metal Matrix Composite (MMC-ALR) Developed through Hot Press Forging by Means of 3D FEM Simulation. <i>Materials</i> , 2018, 11, 958.	2.9	5
13	Effects of submerged convective cooling in the turning of AZ31 magnesium alloy for tool temperature and wear improvement. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 3181-3200.	3.0	3
14	Integrating Simulation with Experiment for Recycled Metal Matrix Composite (MMC-AL _R) Developed through Hot Press Forging. <i>Key Engineering Materials</i> , 2018, 775, 493-498.	0.4	1
15	An Exploratory Study on Resistance Spot Welding of Titanium Alloy Ti-6Al-4V. <i>Materials</i> , 2021, 14, 2336.	2.9	1
16	The Effect of Residual Solvent in Carbon-Based Filler Reinforced Polymer Coating on the Curing Properties, Mechanical and Corrosive Behaviour. <i>Materials</i> , 2022, 15, 3445.	2.9	1