Esther Titilayo Akinlabi

List of Publications by Year
in descending order

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177 papers	2,518 citations	201385 27 h-index	276539 41 g-index
181 all docs	181 docs citations	181 times ranked	1837 citing authors

#	Article	IF	Citations
1	Scanning velocity influence on microstructure, microhardness and wear resistance performance of laser deposited Ti6Al4V/TiC composite. Materials & Design, 2013, 50, 656-666.	5.1	164
2	Microstructure and wear characterization of aluminum matrix composites reinforced with industrial waste fly ash particulates synthesized by friction stir processing. Materials Characterization, 2016, 118, 149-158.	1.9	103
3	Influence of friction stir processing on microstructure and properties of AA7075/TiB 2 in situ composite. Journal of Alloys and Compounds, 2016, 657, 250-260.	2.8	82
4	Properties of physically deposited thin aluminium film coatings: AÂreview. Journal of Alloys and Compounds, 2018, 747, 306-323.	2.8	68
5	Effects of processing parameters on corrosion properties of dissimilar friction stir welds of aluminium and copper. Transactions of Nonferrous Metals Society of China, 2014, 24, 1323-1330.	1.7	65
6	Low cost metal matrix composites based on aluminum, magnesium and copper reinforced with fly ash prepared using friction stir processing. Composites Communications, 2018, 9, 22-26.	3.3	65
7	Microstructures, hardness and bioactivity of hydroxyapatite coatings deposited by direct laser melting process. Materials Science and Engineering C, 2014, 43, 189-198.	3.8	64
8	Microstructural characterization and tensile behavior of friction stir processed AA6061/Al2Cu cast aluminum matrix composites. Journal of Alloys and Compounds, 2019, 781, 270-279.	2.8	63
9	Effect of Shoulder Size on Weld Properties of Dissimilar Metal Friction Stir Welds. Journal of Materials Engineering and Performance, 2012, 21, 1514-1519.	1.2	56
10	Basics of Fused Deposition Modelling (FDM). SpringerBriefs in Applied Sciences and Technology, 2020, , 1-15.	0.2	53
11	Atomic force microscopy analysis of surface topography of pure thin aluminum films. Materials Research Express, 2018, 5, 046416.	0.8	48
12	Densification of agro-residues for sustainable energy generation: an overview. Bioresources and Bioprocessing, 2021, 8, 75.	2.0	46
13	Effects of rapid solidification on the microstructure and surface analyses of laser-deposited Al-Sn coatings on AISI 1015 steel. International Journal of Advanced Manufacturing Technology, 2018, 94, 773-787.	1.5	45
14	An overview on joining of aluminium and magnesium alloys using friction stir welding (FSW) for automotive lightweight applications. Materials Research Express, 2019, 6, 112005.	0.8	43
15	Evolving properties of friction stir spot welds between AA1060 and commercially pure copper C11000. Transactions of Nonferrous Metals Society of China, 2016, 26, 1852-1862.	1.7	42
16	Fused Deposition Modeling. SpringerBriefs in Applied Sciences and Technology, 2020, , .	0.2	42
17	Microstructural characterization and tensile behavior of Nd:YAG laser beam welded thin high strength low alloy steel sheets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 780, 139178.	2.6	42
18	Processing Parameters Optimization for Material Deposition Efficiency in Laser Metal Deposited Titanium Alloy. Lasers in Manufacturing and Materials Processing, 2016, 3, 9-21.	1.2	41

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19	Microstructure and Mechanical Characterization of Friction-Stir-Welded Dual-Phase Brass. Journal of Materials Engineering and Performance, 2018, 27, 1544-1554.	1.2	39
20	Microstructure and Mechanical Characterization of Friction-Stir-Welded 316L Austenitic Stainless Steels. Journal of Materials Engineering and Performance, 2019, 28, 498-511.	1.2	39
21	Characterizing the Effect of Laser Power Density on Microstructure, Microhardness, and Surface Finish of Laser Deposited Titanium Alloy. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2013, 135, .	1.3	37
22	Microstructural characterization of vanadium particles reinforced AA6063 aluminum matrix composites via friction stir processing with improved tensile strength and appreciable ductility. Composites Communications, 2019, 12, 54-58.	3.3	36
23	Advances in the Application of Vegetable-Oil-Based Cutting Fluids to Sustainable Machining Operationsâ€"A Review. Lubricants, 2022, 10, 69.	1.2	36
24	Experimental investigation of laser metal deposited icosahedral Al-Cu-Fe coatings on grade five titanium alloy. , 2018, , .		33
25	Six sigma versus lean manufacturing â€“ An overview. Materials Today: Proceedings, 2020, 26, 3275-3281.	0.9	33
26	Processing Parameters Influence on Wear Resistance Behaviour of Friction Stir Processed Al-TiC Composites. Advances in Materials Science and Engineering, 2014, 2014, 1-12.	1.0	32
27	Characterization of surface roughness of laser deposited titanium alloy and copper using AFM. Applied Surface Science, 2018, 435, 393-397.	3.1	32
28	Laser power and Scanning Speed Influence on the Mechanical Property of Laser Metal Deposited Titanium-Alloy. Lasers in Manufacturing and Materials Processing, 2015, 2, 43-55.	1.2	31
29	Microfabrication and nanotechnology in manufacturing system â€“ An overview. Materials Today: Proceedings, 2021, 44, 1154-1162.	0.9	31
30	Microstructural Characterization and Tensile Behavior of Rutile (TiO2)-Reinforced AA6063 Aluminum Matrix Composites Prepared by Friction Stir Processing. Acta Metallurgica Sinica (English Letters), 2019, 32, 52-62.	1.5	29
31	Fractal analysis of hillocks: A case of RF sputtered aluminum thin films. Applied Surface Science, 2019, 489, 614-623.	3.1	28
32	Comparative effects of organic and inorganic bio-fillers on the hydrophobicity of polylactic acid. Results in Engineering, 2020, 5, 100098.	2.2	26
33	The effects of lubricants on temperature distribution of 6063 aluminium alloy during backward cup extrusion process. Journal of Materials Research and Technology, 2019, 8, 1175-1187.	2.6	24
34	Tool rotational speed impact on temperature variations, mechanical properties and microstructure of friction stir welding of dissimilar high-strength aluminium alloys. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	23
35	Influence of scanning speed on the microstructure of deposited Al-Cu-Fe coatings on a titanium alloy substrate by laser metal deposition process. , 2018, , .		22
36	Effects of Fe addition on the microstructure and corrosion properties of quasicrystalline Al-Cu-Fe coatings. , 2018, , .		21

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37	STUDY ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF 304 STAINLESS STEEL JOINTS BY TIGâ€“MIG HYBRID WELDING. Surface Review and Letters, 2018, 25, 1850042.	0.5	20
38	A streamlined life cycle assessment of a coal-fired power plant: the South African case study. Environmental Science and Pollution Research, 2019, 26, 18484-18492.	2.7	20
39	Data showing the effects of vibratory disc milling time on the microstructural characteristics of Coconut Shell Nanoparticles (CS-NPs). Data in Brief, 2019, 22, 537-545.	0.5	20
40	Influence of pulverized palm kernel and egg shell additives on the hardness, coefficient of friction and microstructure of grey cast iron material for advance applications. Results in Engineering, 2019, 3, 100025.	2.2	19
41	Influence of designated properties on the characteristics of dombeya buettneri fiber/graphite hybrid reinforced polypropylene composites. Scientific Reports, 2020, 10, 11105.	1.6	19
42	Friction stir welding of dissimilar metals. , 2014, , 241-293.		18
43	Processing and structural characterization of Si-based carbothermal derivatives of rice husk. Cogent Engineering, 2018, 5, 1494499.	1.1	18
44	Microstructural and Mechanical Evaluation of Laser-Assisted Cold Sprayed Bio-ceramic Coatings: Potential Use for Biomedical Applications. Journal of Thermal Spray Technology, 2015, 24, 423-435.	1.6	17
45	Effect of varying low substrate temperature on sputtered aluminium films. Materials Research Express, 2019, 6, 056404.	0.8	17
46	Experimental data on surface roughness and force feedback analysis in friction stir processed AA7075 â€“ T651 aluminium metal composites. Data in Brief, 2019, 23, 103710.	0.5	17
47	Overview of recent advancement in globalization and outsourcing initiatives in manufacturing systems. Materials Today: Proceedings, 2020, 26, 1532-1539.	0.9	17
48	A comparison between temperature dependent and constant Young's modulus values in investigating the effect of the process parameters on thermal behaviour during friction stir welding. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 427-434.	0.5	16
49	Effect of heat input on the electrical resistivity of dissimilar friction stir welded joints of aluminium and copper. , 2011, , .		15
50	Rolling operation in metal forming: Process and principles â€“ A brief study. Materials Today: Proceedings, 2020, 26, 1644-1649.	0.9	15
51	Effects of Particle Size and Particle Loading on the Tensile Properties of Iron-Ore-Tailing-Filled Epoxy and Polypropylene Composites. Mechanics of Composite Materials, 2017, 52, 817-828.	0.9	14
52	Characterization of Wear and Physical Properties of Pawpawâ€“Glass Fiber Hybrid Reinforced Epoxy Composites for Structural Application. Fibers, 2020, 8, 44.	1.8	14
53	A futuristic insight into a â€œnano-doctorâ€: A clinical review on medical diagnosis and devices using nanotechnology. Materials Today: Proceedings, 2021, 44, 1144-1153.	0.9	14
54	Assessment and Modeling of Household-Scale Solar Water Heater Application in Zambia: Technical, Environmental, and Energy Analysis. International Journal of Photoenergy, 2021, 2021, 1-13.	1.4	14

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55	Effect of the Scanning Speed of Treatment on the Microstructure, Microhardness, Wear, and Corrosion Behavior of Laser Metal-Deposited Tiâ€“6ALâ€“4V/TiC Composite. Materials Science, 2017, 53, 76-85.	0.3	12
56	Anticorrosion Behaviour of Rhizophora mangle L. Bark-Extract on Concrete Steel-Rebar in Saline/Marine Simulating-Environment. Scientific World Journal, The, 2019, 2019, 1-13.	0.8	11
57	Characterization of Hydrophobic Silane Film Deposited on AISI 304 Stainless Steel for Corrosion Protection. Journal of Materials Engineering and Performance, 2019, 28, 6330-6339.	1.2	11
58	Adsorptive Performance Mechanism of the DNA of Calf Thymus Gland (CTGDNA) on 3CR12 Stainless Steel as Corrosion Inhibitor in Acidic Medium. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	1.2	11
59	Solid-State Welding: Friction and Friction Stir Welding Processes. Mechanical Engineering Series, 2020, , .	0.1	11
60	Visual assessment of 3D printed elements: A practical quality assessment for home-made FDM products. Materials Today: Proceedings, 2020, 26, 1520-1525.	0.9	11
61	Investigation of the effects of selected bio-based carburising agents on mechanical and microstructural characteristics of gray cast iron. Heliyon, 2020, 6, e03418.	1.4	11
62	A systematic review of magnetron sputtering of AlN thin films for extreme condition sensing. Materials Today: Proceedings, 2020, 26, 1546-1550.	0.9	11
63	Corrosion behavior of laser additive manufactured titanium alloy. International Journal of Advanced Manufacturing Technology, 2018, 99, 1545-1552.	1.5	10
64	Microstructural Characterization and Sliding Wear Behavior of Cu/TiC Copper Matrix Composites Developed Using Friction Stir Processing. Metallography, Microstructure, and Analysis, 2018, 7, 464-475.	0.5	10
65	Influences of 17-4PH Stainless Steel and Î±â€‰+â€‰Î² Titanium Alloy Powders for Corrosion Susceptibility on Friction Stir-Processed AA7075-T651 Aluminium Matrix Composites. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	1.2	10
66	Electrochemical investigation of calcined agrowastes powders on friction stir processing of aluminium-based matrix composites. Materials Today: Proceedings, 2020, 26, 3238-3245.	0.9	10
67	Combustion, Physical, and Mechanical Characterization of Composites Fuel Briquettes from Carbonized Banana Stalk and Corncob. International Journal of Renewable Energy Development, 2022, 11, 435-447.	1.2	10
68	Characterization of Lignocellulosic Biomass Samples in Omu-Aran Metropolis, Kwara State, Nigeria, as Potential Fuel for Pyrolysis Yields. International Journal of Renewable Energy Development, 2022, 11, 973-981.	1.2	10
69	Synthesis of activated carbon from olive seeds: investigating the yield, energy efficiency, and dye removal capacity. SN Applied Sciences, 2019, 1, 1.	1.5	9
70	Sustainability in Production and Selection of Reinforcement particles in Aluminium Alloy Metal Matrix Composites: A Review. Journal of Physics: Conference Series, 2019, 1378, 042015.	0.3	9
71	Microstructural, mechanical and corrosion properties of aluminium MIG welds reinforced with copper powder. International Journal of Advanced Manufacturing Technology, 2019, 105, 5181-5190.	1.5	9
72	Optimization techniques applied to machinability studies for turning aluminium metal matrix composites: A literature review. Materials Today: Proceedings, 2021, 44, 1124-1129.	0.9	9

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73	Improving the Combustion Properties of Corncob Biomass via Torrefaction for Solid Fuel Applications. Journal of Composites Science, 2021, 5, 260.	1.4	9
74	Multi-objective optimization of process parameters in TIG-MIG welded AISI 1008 steel for improved structural integrity. International Journal of Advanced Manufacturing Technology, 2022, 118, 3601-3615.	1.5	9
75	Microstructure and Wear Properties of Laser-Cladded cBN/Ti $$_{3}$$ 3 Al on Pure Titanium. Arabian Journal for Science and Engineering, 2017, 42, 4597-4604.	1.7	8
76	Techno-economic analysis of grid-tied energy storage. International Journal of Environmental Science and Technology, 2018, 15, 231-242.	1.8	8
77	Comprehensive data on the mechanical properties and biodegradation profile of polylactide composites developed for hard tissue repairs. Data in Brief, 2020, 32, 106107.	0.5	8
78	Evaluation of Mango Kernel Seed (Mangifera indica) Oil as Cutting Fluid in Turning of AISI 1525 Steel Using the Taguchi-Grey Relation Analysis Approach. Lubricants, 2022, 10, 52.	1.2	8
79	Effect of laser power and powder flow rate on dilution rate and surface finish produced during laser metal deposition of Titanium alloy. , 2017, , .		7
80	Data on microhardness and structural analysis of friction stir spot welded lap joints of AA5083-H116. Data in Brief, 2020, 33, 106585.	0.5	7
81	TIG welding of Ti6Al4V alloy: Microstructure, fractography, tensile and microhardness data. Data in Brief, 2021, 38, 107274.	0.5	7
82	Analysis of the Influence of Laser Power on the Microstructure and Properties of a Titanium Alloy-Reinforced Boron Carbide Matrix Composite (Ti6Al4V-B4C). Strojniski Vestnik/Journal of Mechanical Engineering, 2017, 63, 363-373.	0.6	7
83	Tribocorrosion Measurements and Behaviour in Aluminium Alloys: An Overview. Journal of Bio- and Tribo-Corrosion, 2020, 6, 1.	1.2	6
84	Taguchi Optimization of Surface Roughness and Material Removal Rate in CNC Milling of Polypropylene + 5wt.% Quarry Dust Composites. IOP Conference Series: Materials Science and Engineering, 2021, 1107, 012040.	0.3	6
85	Generation of Sustainable Energy from Agroâ€Residues through Thermal Pretreatment for Developing Nations: A Review. Advanced Energy and Sustainability Research, 2021, 2, 2100107.	2.8	6
86	Characterization, machinability studies, and multi-response optimization of AA 6082 hybrid metal matrix composite. International Journal of Advanced Manufacturing Technology, 2021, 116, 1555-1573.	1.5	6
87	Effects of carbonised eggshells on the mechanical properties, microstructure and corrosion resistance of AA1050 of metal matrix composites. Advances in Materials and Processing Technologies, 2022, 8, 411-422.	0.8	6
88	Laser Butt Welding of Thin Ti6Al4V Sheets: Effects of Welding Parameters. Journal of Composites Science, 2021, 5, 246.	1.4	6
89	Effect of Powder Flow Rate and Gas Flow Rate on the Evolving Properties of Deposited Ti6Al4V/Cu Composites. Advanced Materials Research, 2014, 1016, 177-182.	0.3	5
90	Application of Color Metallography to Study the Microstructure of Friction Stir-Welded Dual-Phase Brass Using Various Etchants. Metallography, Microstructure, and Analysis, 2017, 6, 99-105.	0.5	5

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91	Effect of process parameters on surface roughness during dry and flood milling of Ti-6A-l4V. , 2018, , .		5
92	Microstructure and mechanical properties of sputtered Aluminum thin films. Procedia Manufacturing, 2019, 35, 929-934.	1.9	5
93	Microstructure and surface profiling study on the influence of substrate type on sputtered aluminum thin films. Materials Today: Proceedings, 2020, 26, 1496-1499.	0.9	5
94	Microstructure and scratch analysis of aluminium thin films sputtered at varying RF power on stainless steel substrates. Cogent Engineering, 2020, 7, 1765687.	1.1	5
95	Material characterization and corrosion behavior of hybrid coating Tiâˆ'Alâˆ'Siâˆ'Cu/Tiâˆ'6Alâ€4V composite. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 766-773.	0.5	5
96	Electrochemical study and gravimetric behaviour of gray cast iron in varying concentrations of blends as alternative material for gears in ethanol environment. Journal of Materials Research and Technology, 2020, 9, 7529-7539.	2.6	5
97	Dependence of fractal characteristics on the scan size of atomic force microscopy (AFM) phase imaging of aluminum thin films. Materials Today: Proceedings, 2020, 26, 1540-1545.	0.9	5
98	An Overview of Palm Oil Production Processing in Nigeria: A Case Study of Ilashe, Nigeria. IOP Conference Series: Materials Science and Engineering, 2021, 1107, 012134.	0.3	5
99	Constitutive analysis of hot forming process of P91 steel: finite element method approach. Advances in Materials and Processing Technologies, 2022, 8, 1182-1193.	0.8	5
100	Evaluation of particle size distribution, mechanical properties, microstructure and electrochemical studies of AA1050/fly ash metal matrix composite. Advances in Materials and Processing Technologies, 2022, 8, 1245-1259.	0.8	5
101	Carbonization Temperature and Its Effect on the Mechanical Properties, Wear and Corrosion Resistance of Aluminum Reinforced with Eggshell. Journal of Composites Science, 2021, 5, 262.	1.4	5
102	Fractal Analysis of Thin Films Surfaces: A Brief Overview. Lecture Notes in Mechanical Engineering, 2020, , 251-263.	0.3	5
103	Tensile, Flexural, and Morphological Properties of Jute/Oil Palm Pressed Fruit Fibers Reinforced High Density Polyethylene Hybrid Composites. Fibers, 2021, 9, 71.	1.8	5
104	Analysis of the Physicochemical Properties of Some Selected Non-Edible Vegetable Oil-Based Cutting Fluids Using the Design of Experiment (DOE) Approach. Lubricants, 2022, 10, 16.	1.2	5
105	Estimation of Surface Topography and Wear Loss of Laser Metalâ€Deposited Ti6Al4V and Cu. Advanced Engineering Materials, 2016, 18, 1396-1405.	1.6	4
106	Microstructure and electrical resistivity properties of copper and aluminium friction stir spot welds. , 2017, , .		4
107	Integrated Experimental Approach for Alloying of Surface Layer Ti6Al4V+B4C Metal Matrix Composites using Laser Treatment. Materials Research, 2019, 22, .	0.6	4
108	Corrosion study and quantitative measurement of crystallite size of high strength aluminum hybrid composite developed via friction stir processing. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 732-739.	0.5	4

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109	Development of Silicate Aluminium Dross Composites for Sustainable Building Ceilings. Silicon, 2021, 13, 1979-1991.	1.8	4
110	Microstructural and Mechanical Properties of Laser Deposited Ti-6Al-4V Alloy: A Review. IOP Conference Series: Materials Science and Engineering, 2021, 1107, 012110.	0.3	4
111	A Concise Review of the Effects of Hybrid Particulate Reinforced Aluminium Metal Matrix Composites on the Microstructure, Density and Mechanical Properties. Lecture Notes in Mechanical Engineering, 2020, , 433-443.	0.3	4
112	Correction of Artifacts and Optimization of Atomic Force Microscopy Imaging. Advances in Mechatronics and Mechanical Engineering, 2019, , 158-179.	1.0	4
113	Joint integrity evaluation of laser beam welded additive manufactured Ti6Al4V sheets. Scientific Reports, 2022, 12, 4062.	1.6	4
114	A global overview of renewable energy strategies. AIMS Energy, 2022, 10, 718-775.	1.1	4
115	Corrosion Properties of Aluminum Alloy Reinforced with Wood Particles. Journal of Composites Science, 2022, 6, 189.	1.4	4
116	Effect of Scan Velocity on Resulting Curvatures during Laser Beam Bending of AISI 1008 Steel Plates. Advanced Materials Research, 0, 299-300, 1151-1156.	0.3	3
117	Electrochemical and mechanical study of co-deposited Znâ€“ZnO-snail shell particles composites coating on mild steel. International Journal of Advanced Manufacturing Technology, 2018, 96, 4313-4319.	1.5	3
118	RHIZOPHORA MANGLE L. LEAF BIOCHEMICAL CHARACTERIZATION: NATURAL-GREEN TOTAL-CORROSION INHIBITION PROSPECT ON CONCRETE STEEL-REINFORCEMENT IN 3.5% NaCl. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlo		
119	Evolution of microstructure and wear properties of aluminum thin films with sputtering substrate temperature. , 2019, , .		3
120	Microstructure Evolution and Tensile Behavior of Dissimilar Friction Stir-Welded Pure Copper and Dual-Phase Brass. Metallography, Microstructure, and Analysis, 2019, 8, 735-748.	0.5	3
121	Dataset showing thermal conductivity of South-Eastern Nigerian kaolinite clay admixtures with sawdust and iron filings for fired-bricks production. Data in Brief, 2019, 27, 104708.	0.5	3
122	Biochemical characterization data from Fourier transform infra-red spectroscopy analyses of Rhizophora mangle L. bark-extract. Chemical Data Collections, 2019, 19, 100177.	1.1	3
123	Axisymmetric Wave Propagation in Functionally Grade Cylinder with Isotropic Concentric Layers. Mechanics of Solids, 2020, 55, 595-605.	0.3	3
124	Impact of tool profile on mechanical behavior and material flow in friction stir welding of dissimilar aluminum alloys. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 725-731.	0.5	3
125	Polylactide and its Composites on Various Scales of Hardness. Pertanika Journal of Science and Technology, 2021, 29, .	0.3	3
126	Development of regression models to predict and optimize the composition and the mechanical properties of aluminium bronze alloy. Advances in Materials and Processing Technologies, 2022, 8, 1227-1244.	0.8	3

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127	Demystifying Fractal Analysis of Thin Films: A Reference for Thin Film Deposition Processes. Lecture Notes in Mechanical Engineering, 2021, , 213-222.	0.3	3
128	Microstructural evolution and mechanical characterizations of AL-TiC matrix composites produced via friction stir welding. Materiali in Tehnologije, 2017, 51, 297-306.	0.3	3
129	C6H18N4 BEHAVIOUR ON REINFORCING-STEEL CORROSION IN CONCRETE IMMERSED IN 0.5 M H2SO4. Rasayan Journal of Chemistry, 2019, 12, 966-974.	0.2	3
130	Effect of Shoulder Diameter on the Resulting Interfacial Regions of Friction Stir Welds between Aluminium and Copper. Advanced Materials Research, 2011, 299-300, 1146-1150.	0.3	2
131	Environmental sustainability: Multi-criteria decision analysis for resource recovery from organic fraction of municipal solid waste. , 2016, , .		2
132	Characterizing the Effect of Laser Power on Laser Metal Deposited Titanium Alloy and Boron Carbide. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 5167-5171.	1.1	2
133	Microstructure and Mechanical Properties of Metal Powder Treated AISI-430 FSS Welds. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2018, 8, 63-83.	0.3	2
134	Improvement of wear resistance behaviour of laser metal deposited Ti6Al4V/Mo composites. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 724-730.	0.5	2
135	Heat transfer in cold rolling process of AA8015 alloy: a case study of 2-D FE simulation of coupled thermo-mechanical modeling. International Journal of Advanced Manufacturing Technology, 2019, 100, 2617-2627.	1.5	2
136	Influence of laser power on the corrosive behavior of laser metal deposited Ti6Al4V+Cu in artificially prepared sea water. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 803-810.	0.5	2
137	Dataset on microstructural, structural and tribology characterization of TiC thin film on CpTi substrate grown by RF magnetron sputtering. Data in Brief, 2020, 29, 105205.	0.5	2
138	Biodegradation profiles of chitin, chitosan and titanium reinforced polylactide biocomposites as scaffolds in bone tissue engineering. Arab Journal of Basic and Applied Sciences, 2021, 28, 351-359.	1.0	2
139	Characterisation of Aluminium Niâ€“40Feâ€“10Ti fabricated by friction stir processing. Advances in Materials and Processing Technologies, 2022, 8, 1194-1205.	0.8	2
140	Effect of laser power on the microstructure and mechanical properties of laser deposited titanium aluminide composite. Advances in Materials and Processing Technologies, 0, , 1-12.	0.8	2
141	Optimization of Milling Parameters of Unmodified Calotropis Procera Fiber-Reinforced PLA Composite (UCPFRPC). Journal of Composites Science, 2021, 5, 261.	1.4	2
142	Metal-Arc Welding Technologies for Additive Manufacturing of Metals and Composites. Advances in Civil and Industrial Engineering Book Series, 2020, , 94-105.	0.2	2
143	Investigation into the effects of milling input parameters on the material removal rate and surface roughness of polypropylene + 80 wt. % quarry dust composite during machining. Advances in Materials and Processing Technologies, 0, , 1-15.	0.8	2
144	Characterizations of AA5083-H116 produced by friction stir spot welding technique. Advances in Materials and Processing Technologies, 2022, 8, 2299-2313.	0.8	2

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145	Effect of friction stir processing on the electrical resistivity of AA 6082. , 2013, , .		1
146	Effect of Process Parameters on Laser Beam Formed Titanium Alloy Sheet. Key Engineering Materials, 0, 622-623, 1193-1199.	0.4	1
147	Experimental and numerical investigation on laser beam forming of steel sheets. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2015, 229, 455-471.	0.7	1
148	Biogas use as fuel in spark ignition engines. , 2016, , .		1
149	Sustainable hydrogen generation substrates, catalysts and methods: An overview. , 2017, , .		1
150	Electrochemical behaviour study of laser deposited titanium-tin coatings on ASTM A29 steel in saline environment. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 453-459.	0.5	1
151	Surface Characteristics of Stainless Steel Powder in Magnesium Substrate: A Friction Stir Processed Composite. , 2019, , .		1
152	Microstructural Investigation Of GYP/Al Surface Composites Fabricated By friction Stir Processing. , 2019, , .		1
153	Corrosion behaviour of cold-rolled aluminium AA8015-alloy in natural seawater at 0.18â€…Î¼m surface roughness. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 353-358.	0.5	1
154	Laser Metal Deposition of Titanium Alloy (Ti6Al4V): A Review. , 2019, , .		1
155	Wear behavior of laser metal deposited 17â€4 PH SSâ€W composite at varied tungsten powder flow rate. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 823-829.	0.5	1
156	Micromorphology and nanomechanical characteristics of sputtered aluminum thin films. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 787-791.	0.5	1
157	Polylactide and its Composites on Various Scales of Hardness. Pertanika Journal of Science and Technology, 2021, 29, .	0.3	1
158	Influence of Heat Treatment on the Corrosion Behaviour of Aluminium Silver Nano Particle/Calcium Carbonate Composite. Journal of Composites Science, 2021, 5, 280.	1.4	1
159	Waste Crown Corks as Alternative Materials for Solar Air Heater Absorber Plates: A Preliminary Experimental Evaluation. , 2019, , .		1
160	Advances in Powder-based Technologies for Production of High-Performance Sputtering Targets. Materials Performance and Characterization, 2020, 9, 20190160.	0.2	1
161	A systematic review of the effects of deposition parameters on the properties of Inconel thin films. International Journal of Advanced Manufacturing Technology, 0, , 1.	1.5	1
162	Temperature Monitoring during Laser Beam Forming of Steel Sheets. Key Engineering Materials, 2014, 622-623, 811-818.	0.4	0

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163	Finite Element Simulation of Formed Steel Components. Key Engineering Materials, 0, 622-623, 632-642.	0.4	0
164	MICROSTRUCTURAL CHARACTERIZATION OF FRICTION STIR SPOT WELDS OF ALUMINUM AND COPPER. , 2016, , .		0
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