

Esther Titilayo Akinlabi

List of Publications by Year in descending order

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177
papers

2,518
citations

201385

27
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276539

41
g-index

181
all docs

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docs citations

181
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	Constitutive analysis of hot forming process of P91 steel: finite element method approach. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 1182-1193.	0.8	5
2	Characterisation of Aluminium Ni-40Fe-10Ti fabricated by friction stir processing. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 1194-1205.	0.8	2
3	Evaluation of particle size distribution, mechanical properties, microstructure and electrochemical studies of AA1050/fly ash metal matrix composite. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 1245-1259.	0.8	5
4	Development of regression models to predict and optimize the composition and the mechanical properties of aluminium bronze alloy. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 1227-1244.	0.8	3
5	Effects of carbonised eggshells on the mechanical properties, microstructure and corrosion resistance of AA1050 of metal matrix composites. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 411-422.	0.8	6
6	Multi-objective optimization of process parameters in TIG-MIG welded AISI 1008 steel for improved structural integrity. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 118, 3601-3615.	1.5	9
7	Combustion, Physical, and Mechanical Characterization of Composites Fuel Briquettes from Carbonized Banana Stalk and Corncob. <i>International Journal of Renewable Energy Development</i> , 2022, 11, 435-447.	1.2	10
8	Analysis of the Physicochemical Properties of Some Selected Non-Edible Vegetable Oil-Based Cutting Fluids Using the Design of Experiment (DOE) Approach. <i>Lubricants</i> , 2022, 10, 16.	1.2	5
9	Characterizations of AA5083-H116 produced by friction stir spot welding technique. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 2299-2313.	0.8	2
10	Evaluation of Mango Kernel Seed (<i>Mangifera indica</i>) Oil as Cutting Fluid in Turning of AISI 1525 Steel Using the Taguchi-Grey Relation Analysis Approach. <i>Lubricants</i> , 2022, 10, 52.	1.2	8
11	Joint integrity evaluation of laser beam welded additive manufactured Ti6Al4V sheets. <i>Scientific Reports</i> , 2022, 12, 4062.	1.6	4
12	Advances in the Application of Vegetable-Oil-Based Cutting Fluids to Sustainable Machining Operations—A Review. <i>Lubricants</i> , 2022, 10, 69.	1.2	36
13	A global overview of renewable energy strategies. <i>AIMS Energy</i> , 2022, 10, 718-775.	1.1	4
14	Characterization of Lignocellulosic Biomass Samples in Omu-Aran Metropolis, Kwara State, Nigeria, as Potential Fuel for Pyrolysis Yields. <i>International Journal of Renewable Energy Development</i> , 2022, 11, 973-981.	1.2	10
15	Corrosion Properties of Aluminum Alloy Reinforced with Wood Particles. <i>Journal of Composites Science</i> , 2022, 6, 189.	1.4	4
16	Development of Silicate Aluminium Dross Composites for Sustainable Building Ceilings. <i>Silicon</i> , 2021, 13, 1979-1991.	1.8	4
17	Biodegradation profiles of chitin, chitosan and titanium reinforced polylactide biocomposites as scaffolds in bone tissue engineering. <i>Arab Journal of Basic and Applied Sciences</i> , 2021, 28, 351-359.	1.0	2
18	Optimization techniques applied to machinability studies for turning aluminium metal matrix composites: A literature review. <i>Materials Today: Proceedings</i> , 2021, 44, 1124-1129.	0.9	9

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19	Microfabrication and nanotechnology in manufacturing system – An overview. <i>Materials Today: Proceedings</i> , 2021, 44, 1154-1162.	0.9	31
20	A futuristic insight into a –nano-doctor–: A clinical review on medical diagnosis and devices using nanotechnology. <i>Materials Today: Proceedings</i> , 2021, 44, 1144-1153.	0.9	14
21	Effect of Heat Treatment on the Structure and Morphology of Silver-Coated Three-Dimensional Printed Flexible Polylactic Acid Thin Plates. <i>Materials Performance and Characterization</i> , 2021, 10, 87-98.	0.2	0
22	Microstructural and Mechanical Properties of Laser Deposited Ti-6Al-4V Alloy: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1107, 012110.	0.3	4
23	Fractal characterization of conductive Ag/flexible 3D printed PLA. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1107, 012050.	0.3	0
24	Taguchi Optimization of Surface Roughness and Material Removal Rate in CNC Milling of Polypropylene + 5wt.% Quarry Dust Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1107, 012040.	0.3	6
25	Polylactide and its Composites on Various Scales of Hardness. <i>Pertanika Journal of Science and Technology</i> , 2021, 29, .	0.3	3
26	Polylactide and its Composites on Various Scales of Hardness. <i>Pertanika Journal of Science and Technology</i> , 2021, 29, .	0.3	1
27	An Overview of Palm Oil Production Processing in Nigeria: A Case Study of Ilashe, Nigeria. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1107, 012134.	0.3	5
28	Assessment and Modeling of Household-Scale Solar Water Heater Application in Zambia: Technical, Environmental, and Energy Analysis. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-13.	1.4	14
29	Generation of Sustainable Energy from Agro–Residues through Thermal Pretreatment for Developing Nations: A Review. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100107.	2.8	6
30	Characterization, machinability studies, and multi-response optimization of AA 6082 hybrid metal matrix composite. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 1555-1573.	1.5	6
31	Densification of agro-residues for sustainable energy generation: an overview. <i>Bioresources and Bioprocessing</i> , 2021, 8, 75.	2.0	46
32	Laser Butt Welding of Thin Ti6Al4V Sheets: Effects of Welding Parameters. <i>Journal of Composites Science</i> , 2021, 5, 246.	1.4	6
33	Improving the Combustion Properties of Corncob Biomass via Torrefaction for Solid Fuel Applications. <i>Journal of Composites Science</i> , 2021, 5, 260.	1.4	9
34	Carbonization Temperature and Its Effect on the Mechanical Properties, Wear and Corrosion Resistance of Aluminum Reinforced with Eggshell. <i>Journal of Composites Science</i> , 2021, 5, 262.	1.4	5
35	TIG welding of Ti6Al4V alloy: Microstructure, fractography, tensile and microhardness data. <i>Data in Brief</i> , 2021, 38, 107274.	0.5	7
36	Optimization of Milling Parameters of Unmodified Calotropis Procera Fiber-Reinforced PLA Composite (UCPFRPC). <i>Journal of Composites Science</i> , 2021, 5, 261.	1.4	2

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37	Demystifying Fractal Analysis of Thin Films: A Reference for Thin Film Deposition Processes. Lecture Notes in Mechanical Engineering, 2021, , 213-222.	0.3	3
38	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
39	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
40	Solid-State Welding: Friction and Friction Stir Welding Processes. Mechanical Engineering Series, 2020, , .	0.1	11
41	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
42	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
43	Influence of designated properties on the characteristics of dombeya buettneri fiber/graphite hybrid reinforced polypropylene composites. Scientific Reports, 2020, 10, 11105.	1.6	19
44	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
45	Characterization of Wear and Physical Properties of Pawpawâ€™Glass Fiber Hybrid Reinforced Epoxy Composites for Structural Application. Fibers, 2020, 8, 44.	1.8	14
46	Tribocorrosion Measurements and Behaviour in Aluminium Alloys: An Overview. Journal of Bio- and Tribo-Corrosion, 2020, 6, 1.	1.2	6
47	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
48	Axisymmetric Wave Propagation in Functionally Grade Cylinder with Isotropic Concentric Layers. Mechanics of Solids, 2020, 55, 595-605.	0.3	3
49	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
50	Influence of deposition parameters on the residual stresses of WC-Wo sputtered thin films. MRS Advances, 2020, 5, 1215-1223.	0.5	0
51	Fused Deposition Modeling. SpringerBriefs in Applied Sciences and Technology, 2020, , .	0.2	42
52	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
53	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
54	Material characterization and corrosion behavior of hybrid coating Tiâ€™Alâ€™Siâ€™Cu/Tiâ€™6Alâ€™4V composite. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 766-773.	0.5	5

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55	Electrochemical study and gravimetric behaviour of gray cast iron in varying concentrations of blends as alternative material for gears in ethanol environment. <i>Journal of Materials Research and Technology</i> , 2020, 9, 7529-7539.	2.6	5
56	Influence of laser power on the corrosive behavior of laser metal deposited Ti6Al4V+Cu in artificially prepared sea water. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 803-810.	0.5	2
57	Tool rotational speed impact on temperature variations, mechanical properties and microstructure of friction stir welding of dissimilar high-strength aluminium alloys. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	23
58	Overview of recent advancement in globalization and outsourcing initiatives in manufacturing systems. <i>Materials Today: Proceedings</i> , 2020, 26, 1532-1539.	0.9	17
59	Dependence of fractal characteristics on the scan size of atomic force microscopy (AFM) phase imaging of aluminum thin films. <i>Materials Today: Proceedings</i> , 2020, 26, 1540-1545.	0.9	5
60	Investigation of the effects of selected bio-based carburising agents on mechanical and microstructural characteristics of gray cast iron. <i>Heliyon</i> , 2020, 6, e03418.	1.4	11
61	Rolling operation in metal forming: Process and principles – A brief study. <i>Materials Today: Proceedings</i> , 2020, 26, 1644-1649.	0.9	15
62	Microstructural characterization and tensile behavior of Nd:YAG laser beam welded thin high strength low alloy steel sheets. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 780, 139178.	2.6	42
63	Corrosion study and quantitative measurement of crystallite size of high strength aluminum hybrid composite developed via friction stir processing. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 732-739.	0.5	4
64	Characterization of corrosion behavior of aluminum welds reinforced with copper powder. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 817-822.	0.5	0
65	Micromorphology and nanomechanical characteristics of sputtered aluminum thin films. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 787-791.	0.5	1
66	Dataset on microstructural, structural and tribology characterization of TiC thin film on CpTi substrate grown by RF magnetron sputtering. <i>Data in Brief</i> , 2020, 29, 105205.	0.5	2
67	Comparative effects of organic and inorganic bio-fillers on the hydrophobicity of polylactic acid. <i>Results in Engineering</i> , 2020, 5, 100098.	2.2	26
68	Six sigma versus lean manufacturing – An overview. <i>Materials Today: Proceedings</i> , 2020, 26, 3275-3281.	0.9	33
69	A systematic review of magnetron sputtering of AlN thin films for extreme condition sensing. <i>Materials Today: Proceedings</i> , 2020, 26, 1546-1550.	0.9	11
70	Electrochemical investigation of calcined agrowastes powders on friction stir processing of aluminium-based matrix composites. <i>Materials Today: Proceedings</i> , 2020, 26, 3238-3245.	0.9	10
71	Basics of Fused Deposition Modelling (FDM). <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 1-15.	0.2	53
72	Fractal Analysis of Thin Films Surfaces: A Brief Overview. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 251-263.	0.3	5

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73	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
74	Surface Engineering Strategy. SpringerBriefs in Applied Sciences and Technology, 2020, , 51-68.	0.2	0
75	Multi-objective Optimization Strategies. SpringerBriefs in Applied Sciences and Technology, 2020, , 33-49.	0.2	0
76	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
77	Friction Stir Welding and Friction Stir Processing: Case Studies. Mechanical Engineering Series, 2020, , 103-113.	0.1	0
78	Print Resolution and Orientation Strategy. SpringerBriefs in Applied Sciences and Technology, 2020, , 17-32.	0.2	0
79	Advances in Powder-based Technologies for Production of High-Performance Sputtering Targets. Materials Performance and Characterization, 2020, 9, 20190160.	0.2	1
80	Evolution of microstructure and wear properties of aluminum thin films with sputtering substrate temperature. , 2019, , .		3
81	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
82	Improvement of wear resistance behaviour of laser metal deposited Ti6Al4V/Mo composites. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 724-730.	0.5	2
83	Influences of 17-4PH Stainless Steel and $\pm 2\%$ 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
84	Experimental Study of Hardness Property and Microstructure of TiZnNi Laser Deposited on Titanium Alloy. , 2019, , .		0
85	Surface Characteristics of Stainless Steel Powder in Magnesium Substrate: A Friction Stir Processed Composite. , 2019, , .		1
86	Microstructural Investigation Of GYP/Al Surface Composites Fabricated By friction Stir Processing. , 2019, , .		1
87	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
88	Microstructure and mechanical properties of sputtered Aluminum thin films. Procedia Manufacturing, 2019, 35, 929-934.	1.9	5
89	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
90	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

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91	Microstructure Evolution and Tensile Behavior of Dissimilar Friction Stir-Welded Pure Copper and Dual-Phase Brass. <i>Metallography, Microstructure, and Analysis</i> , 2019, 8, 735-748.	0.5	3
92	Effect of varying low substrate temperature on sputtered aluminium films. <i>Materials Research Express</i> , 2019, 6, 056404.	0.8	17
93	Synthesis of activated carbon from olive seeds: investigating the yield, energy efficiency, and dye removal capacity. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	9
94	Integrated Experimental Approach for Alloying of Surface Layer Ti6Al4V+B4C Metal Matrix Composites using Laser Treatment. <i>Materials Research</i> , 2019, 22, .	0.6	4
95	Fractal analysis of hillocks: A case of RF sputtered aluminum thin films. <i>Applied Surface Science</i> , 2019, 489, 614-623.	3.1	28
96	A streamlined life cycle assessment of a coal-fired power plant: the South African case study. <i>Environmental Science and Pollution Research</i> , 2019, 26, 18484-18492.	2.7	20
97	Adsorptive Performance Mechanism of the DNA of Calf Thymus Gland (CTGDNA) on 3CR12 Stainless Steel as Corrosion Inhibitor in Acidic Medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019, 5, 1.	1.2	11
98	Electrochemical performance and microstructural evolution of laser deposited Al ₆₅ Sn coating in acidic environment. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2019, 50, 260-266.	0.5	0
99	Experimental data on surface roughness and force feedback analysis in friction stir processed AA7075 and T651 aluminium metal composites. <i>Data in Brief</i> , 2019, 23, 103710.	0.5	17
100	Corrosion behaviour of cold-rolled aluminium AA8015-alloy in natural seawater at 0.18µm surface roughness. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2019, 50, 353-358.	0.5	1
101	Sustainability in Production and Selection of Reinforcement particles in Aluminium Alloy Metal Matrix Composites: A Review. <i>Journal of Physics: Conference Series</i> , 2019, 1378, 042015.	0.3	9
102	Dataset showing thermal conductivity of South-Eastern Nigerian kaolinite clay admixtures with sawdust and iron filings for fired-bricks production. <i>Data in Brief</i> , 2019, 27, 104708.	0.5	3
103	Microstructural, mechanical and corrosion properties of aluminium MIG welds reinforced with copper powder. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 5181-5190.	1.5	9
104	Laser Metal Deposition of Titanium Alloy (Ti6Al4V): A Review. , 2019, , .		1
105	Microstructural Characterization and Tensile Behavior of Rutile (TiO ₂)-Reinforced AA6063 Aluminum Matrix Composites Prepared by Friction Stir Processing. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 52-62.	1.5	29
106	Data showing the effects of vibratory disc milling time on the microstructural characteristics of Coconut Shell Nanoparticles (CS-NPs). <i>Data in Brief</i> , 2019, 22, 537-545.	0.5	20
107	Microstructural characterization and tensile behavior of friction stir processed AA6061/Al ₂ Cu cast aluminum matrix composites. <i>Journal of Alloys and Compounds</i> , 2019, 781, 270-279.	2.8	63
108	Microstructural characterization of vanadium particles reinforced AA6063 aluminum matrix composites via friction stir processing with improved tensile strength and appreciable ductility. <i>Composites Communications</i> , 2019, 12, 54-58.	3.3	36

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109	Biochemical characterization data from Fourier transform infra-red spectroscopy analyses of <i>Rhizophora mangle</i> L. bark-extract. <i>Chemical Data Collections</i> , 2019, 19, 100177.	1.1	3
110	Microstructure and Mechanical Characterization of Friction-Stir-Welded 316L Austenitic Stainless Steels. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 498-511.	1.2	39
111	The effects of lubricants on temperature distribution of 6063 aluminium alloy during backward cup extrusion process. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1175-1187.	2.6	24
112	Heat transfer in cold rolling process of AA8015 alloy: a case study of 2-D FE simulation of coupled thermo-mechanical modeling. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 2617-2627.	1.5	2
113	C6H18N4 BEHAVIOUR ON REINFORCING-STEEL CORROSION IN CONCRETE IMMERSSED IN 0.5 M H2SO4. <i>Rasayan Journal of Chemistry</i> , 2019, 12, 966-974.	0.2	3
114	Correction of Artifacts and Optimization of Atomic Force Microscopy Imaging. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019, , 158-179.	1.0	4
115	Waste Crown Corks as Alternative Materials for Solar Air Heater Absorber Plates: A Preliminary Experimental Evaluation. , 2019, , .		1
116	Properties of physically deposited thin aluminium film coatings: A review. <i>Journal of Alloys and Compounds</i> , 2018, 747, 306-323.	2.8	68
117	Atomic force microscopy analysis of surface topography of pure thin aluminum films. <i>Materials Research Express</i> , 2018, 5, 046416.	0.8	48
118	Effects of rapid solidification on the microstructure and surface analyses of laser-deposited Al-Sn coatings on AISI 1015 steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 773-787.	1.5	45
119	Experimental investigation of laser metal deposited icosahedral Al-Cu-Fe coatings on grade five titanium alloy. , 2018, , .		33
120	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
121	Effects of Fe addition on the microstructure and corrosion properties of quasicrystalline Al-Cu-Fe coatings. , 2018, , .		21
122	Effect of process parameters on surface roughness during dry and flood milling of Ti-6Al-4V. , 2018, , .		5
123	Low cost metal matrix composites based on aluminum, magnesium and copper reinforced with fly ash prepared using friction stir processing. <i>Composites Communications</i> , 2018, 9, 22-26.	3.3	65
124	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. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2018, 49, 427-434.	0.5	16
125	Microstructure and Mechanical Characterization of Friction-Stir-Welded Dual-Phase Brass. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 1544-1554.	1.2	39
126	Electrochemical and mechanical study of co-deposited Zn@ZnO-snail shell particles composites coating on mild steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 4313-4319.	1.5	3

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127	Characterization of surface roughness of laser deposited titanium alloy and copper using AFM. Applied Surface Science, 2018, 435, 393-397.	3.1	32
128	Techno-economic analysis of grid-tied energy storage. International Journal of Environmental Science and Technology, 2018, 15, 231-242.	1.8	8
129	STUDY ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF 304 STAINLESS STEEL JOINTS BY TIG-MIG HYBRID WELDING. Surface Review and Letters, 2018, 25, 1850042.	0.5	20
130	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 ETQp 0 0 rgBT /Overlo	0.0	0
131	Processing and structural characterization of Si-based carbothermal derivatives of rice husk. Cogent Engineering, 2018, 5, 1494499.	1.1	18
132	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
133	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
134	Corrosion behavior of laser additive manufactured titanium alloy. International Journal of Advanced Manufacturing Technology, 2018, 99, 1545-1552.	1.5	10
135	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
136	INTEGRATED EXPERIMENTAL APPROACH OF PROCESSING PARAMETERS ON POROSITY ANALYSIS FOR DEPOSITED Ti6AL4V-B4C COMPOSITES. , 2018, , .		0
137	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
138	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
139	Sustainable hydrogen generation substrates, catalysts and methods: An overview. , 2017, , .		1
140	Effect of laser power and powder flow rate on dilution rate and surface finish produced during laser metal deposition of Titanium alloy. , 2017, , .		7
141	Microstructure and electrical resistivity properties of copper and aluminium friction stir spot welds. , 2017, , .		4
142	Effects of forces on the welding tool during the dissimilar joining of aluminium and copper. , 2017, , .		0
143	Effect of the Scanning Speed of Treatment on the Microstructure, Microhardness, Wear, and Corrosion Behavior of Laser Metal-Deposited Ti6Al4V/TiC Composite. Materials Science, 2017, 53, 76-85.	0.3	12
144	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

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145	Microstructure and Wear Properties of Laser-Cladded cBN/Ti ₃ Al on Pure Titanium. Arabian Journal for Science and Engineering, 2017, 42, 4597-4604.	1.7	8
146	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
147	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
148	Environmental sustainability: Multi-criteria decision analysis for resource recovery from organic fraction of municipal solid waste. , 2016, , .		2
149	Biogas use as fuel in spark ignition engines. , 2016, , .		1
150	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
151	MICROSTRUCTURAL CHARACTERIZATION OF FRICTION STIR SPOT WELDS OF ALUMINUM AND COPPER. , 2016, , .		0
152	Estimation of Surface Topography and Wear Loss of Laser Metal-Deposited Ti6Al4V and Cu. Advanced Engineering Materials, 2016, 18, 1396-1405.	1.6	4
153	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
154	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
155	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
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