

Peter Kayode Farayibi

List of Publications by Year in descending order

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43
papers

1,036
citations

394421

19
h-index

434195

31
g-index

44
all docs

44
docs citations

44
times ranked

905
citing authors

#	ARTICLE	IF	CITATIONS
1	Superhydrophobic coatings for steel pipeline protection in oil and gas industries: A comprehensive review. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103544.	4.4	76
2	A Review on Micro- to Nanocellulose Biopolymer Scaffold Forming for Tissue Engineering Applications. <i>Polymers</i> , 2020, 12, 2043.	4.5	71
3	Effect of carbide dissolution on the corrosion performance of tungsten carbide reinforced Inconel 625 wire laser coating. <i>Journal of Materials Processing Technology</i> , 2016, 231, 89-99.	6.3	67
4	Wettability Transition for Laser Textured Surfaces: A Comprehensive Review. <i>Surfaces and Interfaces</i> , 2020, 21, 100802.	3.0	64
5	Wire arc additive manufacturing of aluminium alloys for aerospace and automotive applications: A review. <i>Materials Science and Technology</i> , 2022, 38, 391-408.	1.6	59
6	Cladding of pre-blended Ti-6Al-4V and WC powder for wear resistant applications. <i>Surface and Coatings Technology</i> , 2011, 206, 372-377.	4.8	58
7	Laser Deposition of Ti-6Al-4V Wire with WC Powder for Functionally Graded Components. <i>Materials and Manufacturing Processes</i> , 2013, 28, 514-518.	4.7	57
8	A comparative study of Inconel 625 laser cladding by wire and powder feedstock. <i>Materials and Manufacturing Processes</i> , 2017, 32, 1653-1659.	4.7	51
9	Functionally graded Ni-Ti microstructures synthesised in process by direct laser metal deposition. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 79, 843-850.	3.0	48
10	A parametric study on laser cladding of Ti-6Al-4V wire and WC/W2C powder. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 3349-3358.	3.0	47
11	Laser metal deposition of multi-track walls of 308LSi stainless steel. <i>Materials and Manufacturing Processes</i> , 2017, 32, 1660-1666.	4.7	44
12	Laser cladding of rail steel with Co-Cr. <i>Surface Engineering</i> , 2013, 29, 731-736.	2.2	41
13	Properties and Characterization of a PLA-Chitin-Starch Biodegradable Polymer Composite. <i>Polymers</i> , 2019, 11, 1656.	4.5	35
14	Erosion resistance of laser clad Ti-6Al-4V/WC composite for waterjet tooling. <i>Journal of Materials Processing Technology</i> , 2014, 214, 710-721.	6.3	33
15	Surface improvement of laser clad Ti-6Al-4V using plain waterjet and pulsed electron beam irradiation. <i>Journal of Materials Processing Technology</i> , 2015, 218, 1-11.	6.3	30
16	The Role of Biopolymer-Based Materials in Obstetrics and Gynecology Applications: A Review. <i>Polymers</i> , 2021, 13, 633.	4.5	28
17	Development of metal matrix composites by direct energy deposition of "satellited"™ powders. <i>Journal of Manufacturing Processes</i> , 2019, 45, 429-437.	5.9	27
18	Extracted Compounds from Neem Leaves as Antimicrobial Agent on the Physico-Chemical Properties of Seaweed-Based Biopolymer Films. <i>Polymers</i> , 2020, 12, 1119.	4.5	22

#	ARTICLE	IF	CITATIONS
19	Functional Properties and Molecular Degradation of Schizostachyum Brachycladum Bamboo Cellulose Nanofibre in PLA-Chitosan Bionanocomposites. <i>Molecules</i> , 2021, 26, 2008.	3.8	22
20	Effects of Welding Speed on the Microstructure and Corrosion Behavior of Dissimilar Gas Metal Arc Weld Joints of AISI 304 Stainless Steel and Low Carbon Steel. <i>Materials Today: Proceedings</i> , 2019, 17, 871-877.	1.8	18
21	Electrochemical Properties of MgZnCa-Based Thin Film Metallic Glasses Fabricated by Magnetron Sputtering Deposition Coated on a Stainless Steel Substrate. <i>Analytical Letters</i> , 2021, 54, 1588-1602.	1.8	18
22	Preparation of Palm Oil Ash Nanoparticles: Taguchi Optimization Method by Particle Size Distribution and Morphological Studies. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 985.	2.5	15
23	The Role of Two-Step Blending in the Properties of Starch/Chitin/Poly(lactic Acid) Biodegradable Composites for Biomedical Applications. <i>Polymers</i> , 2020, 12, 592.	4.5	14
24	Densification of a high chromium cold work tool steel powder in different atmospheres by SLPS: Microstructure, heat treatment and micromechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 777, 139053.	5.6	11
25	Additive manufacturing in the oil and gas industries. <i>Analecta Technica Szegedinensia</i> , 2020, 14, 9-18.	0.6	11
26	A study on the awareness level of additive manufacturing technology in south-western Nigeria. <i>African Journal of Science, Technology, Innovation and Development</i> , 2017, 9, 157-162.	1.6	9
27	Properties and Interfacial Bonding Enhancement of Oil Palm Bio-Ash Nanoparticles Biocomposites. <i>Polymers</i> , 2021, 13, 1615.	4.5	7
28	Development of Multilayer Sinter Cladding of Cold Work Tool Steel on Hadfield Steel Plates for Wear-Resistant Applications. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 1833-1847.	2.5	6
29	Mechanical Behaviour of Poly(lactic Acid) Parts Fabricated via Material Extrusion Process: A Taguchi-Grey Relational Analysis Approach. <i>International Journal of Engineering Research in Africa</i> , 0, 46, 32-44.	0.7	6
30	Multi-Objective Optimisation of Laser Deposition of Metal Matrix Composites for Surface Coating Using Principal Component Analysis. <i>International Journal of Engineering Research in Africa</i> , 0, 40, 9-21.	0.7	5
31	Properties and Characterization of New Approach Organic Nanoparticle-Based Biocomposite Board. <i>Polymers</i> , 2020, 12, 2236.	4.5	5
32	Finite element analysis of plastic recycling machine designed for production of thin filament coil. <i>Nigerian Journal of Technology</i> , 2017, 36, 411.	0.3	4
33	Microstructural Evolution of Metal Matrix Composites Formed by Laser Deposition of Ti-6Al-4V Wire and WC-W₂/sub>C Powder. <i>Advanced Engineering Forum</i> , 0, 26, 22-32.	0.3	4
34	Additive manufacture of TiB₂/Ti-6Al-4V metal matrix composite by selective laser melting. <i>International Journal of Rapid Manufacturing</i> , 2019, 8, 259.	0.5	4
35	Heat Treatment Optimisation of Supersolidus Sintered Steel Compounds. <i>HTM - Journal of Heat Treatment and Materials</i> , 2020, 75, 48-62.	0.2	4
36	Development of SMEs Coping Model for Operations Advancement in Manufacturing Technology. , 2019, , 169-190.		3

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37	Hard Cladding by Supersolidus Liquid Phase Sintering: An Experimental and Simulation Study on Martensitic Stainless Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 5818-5835.	2.2	3
38	Influence of nitrogen uptake and heat treatment on the microstructural characteristics and corrosion performance of X190CrVMo20 steel produced by supersolidus liquid phase sintering. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 1529-1546.	1.5	3
39	Effect of Throttling Variation on the Performance of Vapour Compression Refrigeration System. British Journal of Applied Science & Technology, 2016, 13, 1-10.	0.2	2
40	Development of an automated mechanical lift for material handling purposes. African Journal of Science, Technology, Innovation and Development, 2020, 12, 561-569.	1.6	1
41	Microstructural Evolution of Aluminum-4043/Nickel-Coated Silicon Carbide Composites Produced via Stir Casting. Current Journal of Applied Science and Technology, 2018, 25, 1-9.	0.3	1
42	Conceptual Design and Finite Element Analysis of a Five-Minute Mini D.C Powered Air Compressor for Inflating Automobile Tyres. Journal of Scientific Research and Reports, 2019, 21, 1-11.	0.2	1
43	Data Mining and Statistical Analysis for Available Budget Allocation Pre-procurement of Manufacturing Equipment. Journal of Engineering Research and Reports, 0, , 1-13.	0.0	0