

Peter Kayode Farayibi

List of Publications by Year in descending order

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43
papers

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citations

394421

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44
docs citations

44
times ranked

905
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	The Role of Biopolymer-Based Materials in Obstetrics and Gynecology Applications: A Review. <i>Polymers</i> , 2021, 13, 633.	4.5	28
4	Functional Properties and Molecular Degradation of Schizostachyum Brachycladum Bamboo Cellulose Nanofibre in PLA-Chitosan Bionanocomposites. <i>Molecules</i> , 2021, 26, 2008.	3.8	22
5	Influence of nitrogen uptake and heat treatment on the microstructural characteristics and corrosion performance of X190CrVMo20 steel produced by supersolidus liquid phase sintering. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 1529-1546.	1.5	3
6	Properties and Interfacial Bonding Enhancement of Oil Palm Bio-Ash Nanoparticles Biocomposites. <i>Polymers</i> , 2021, 13, 1615.	4.5	7
7	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
8	Properties and Characterization of New Approach Organic Nanoparticle-Based Biocomposite Board. <i>Polymers</i> , 2020, 12, 2236.	4.5	5
9	Hard Cladding by Supersolidus Liquid Phase Sintering: An Experimental and Simulation Study on Martensitic Stainless Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 5818-5835.	2.2	3
10	A Review on Micro- to Nanocellulose Biopolymer Scaffold Forming for Tissue Engineering Applications. <i>Polymers</i> , 2020, 12, 2043.	4.5	71
11	Wettability Transition for Laser Textured Surfaces: A Comprehensive Review. <i>Surfaces and Interfaces</i> , 2020, 21, 100802.	3.0	64
12	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
13	The Role of Two-Step Blending in the Properties of Starch/Chitin/Polylactic Acid Biodegradable Composites for Biomedical Applications. <i>Polymers</i> , 2020, 12, 592.	4.5	14
14	Development of an automated mechanical lift for material handling purposes. <i>African Journal of Science, Technology, Innovation and Development</i> , 2020, 12, 561-569.	1.6	1
15	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
16	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
17	Heat Treatment Optimisation of Supersolidus Sintered Steel Compounds. <i>HTM - Journal of Heat Treatment and Materials</i> , 2020, 75, 48-62.	0.2	4
18	Additive manufacturing in the oil and gas industries. <i>Analecta Technica Szegedinensia</i> , 2020, 14, 9-18.	0.6	11

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19	Development of metal matrix composites by direct energy deposition of "satellited"™ powders. Journal of Manufacturing Processes, 2019, 45, 429-437.	5.9	27
20	Properties and Characterization of a PLA"Chitin"Starch Biodegradable Polymer Composite. Polymers, 2019, 11, 1656.	4.5	35
21	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. Materials Today: Proceedings, 2019, 17, 871-877.	1.8	18
22	Development of Multilayer Sinter Cladding of Cold Work Tool Steel on Hadfield Steel Plates for Wear-Resistant Applications. Journal of Materials Engineering and Performance, 2019, 28, 1833-1847.	2.5	6
23	Development of SMEs Coping Model for Operations Advancement in Manufacturing Technology. , 2019, , 169-190.		3
24	Additive manufacture of TiB<SUB align="right">2/Ti-6Al-4V metal matrix composite by selective laser melting. International Journal of Rapid Manufacturing, 2019, 8, 259.	0.5	4
25	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
26	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
27	Laser metal deposition of multi-track walls of 308LSi stainless steel. Materials and Manufacturing Processes, 2017, 32, 1660-1666.	4.7	44
28	A study on the awareness level of additive manufacturing technology in south-western Nigeria. African Journal of Science, Technology, Innovation and Development, 2017, 9, 157-162.	1.6	9
29	A comparative study of Inconel 625 laser cladding by wire and powder feedstock. Materials and Manufacturing Processes, 2017, 32, 1653-1659.	4.7	51
30	Finite element analysis of plastic recycling machine designed for production of thin filament coil. Nigerian Journal of Technology, 2017, 36, 411.	0.3	4
31	A parametric study on laser cladding of Ti-6Al-4V wire and WC/W2C powder. International Journal of Advanced Manufacturing Technology, 2016, 87, 3349-3358.	3.0	47
32	Effect of carbide dissolution on the corrosion performance of tungsten carbide reinforced Inconel 625 wire laser coating. Journal of Materials Processing Technology, 2016, 231, 89-99.	6.3	67
33	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
34	Functionally graded Ni-Ti microstructures synthesised in process by direct laser metal deposition. International Journal of Advanced Manufacturing Technology, 2015, 79, 843-850.	3.0	48
35	Surface improvement of laser clad Ti"6Al"4V using plain waterjet and pulsed electron beam irradiation. Journal of Materials Processing Technology, 2015, 218, 1-11.	6.3	30
36	Erosion resistance of laser clad Ti-6Al-4V/WC composite for waterjet tooling. Journal of Materials Processing Technology, 2014, 214, 710-721.	6.3	33

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37	Laser Deposition of Ti-6Al-4V Wire with WC Powder for Functionally Graded Components. Materials and Manufacturing Processes, 2013, 28, 514-518.	4.7	57
38	Laser cladding of rail steel with Co-Cr. Surface Engineering, 2013, 29, 731-736.	2.2	41
39	Cladding of pre-blended Ti-6Al-4V and WC powder for wear resistant applications. Surface and Coatings Technology, 2011, 206, 372-377.	4.8	58
40	Microstructural Evolution of Metal Matrix Composites Formed by Laser Deposition of Ti-6Al-4V Wire and WC-W ₂ C Powder. Advanced Engineering Forum, 0, 26, 22-32.	0.3	4
41	Multi-Objective Optimisation of Laser Deposition of Metal Matrix Composites for Surface Coating Using Principal Component Analysis. International Journal of Engineering Research in Africa, 0, 40, 9-21.	0.7	5
42	Mechanical Behaviour of Polylactic Acid Parts Fabricated via Material Extrusion Process: A Taguchi-Grey Relational Analysis Approach. International Journal of Engineering Research in Africa, 0, 46, 32-44.	0.7	6
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