

# Eyitayo Olatunde Olakanmi

## List of Publications by Year in descending order

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20  
papers

2,046  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

2178  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on selective laser sintering/melting (SLS/SLM) of aluminium alloy powders: Processing, microstructure, and properties. <i>Progress in Materials Science</i> , 2015, 74, 401-477.	32.8	1,271
2	Selective laser sintering/melting (SLS/SLM) of pure Al, Al-Mg, and Al-Si powders: Effect of processing conditions and powder properties. <i>Journal of Materials Processing Technology</i> , 2013, 213, 1387-1405.	6.3	325
3	Densification mechanism and microstructural evolution in selective laser sintering of Al <sub>2</sub> Si powders. <i>Journal of Materials Processing Technology</i> , 2011, 211, 113-121.	6.3	131
4	Laser-Assisted Cold-Sprayed Corrosion- and Wear-Resistant Coatings: A Review. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 765-785.	3.1	53
5	Laser sintering of blended Al-Si powders. <i>Rapid Prototyping Journal</i> , 2012, 18, 109-119.	3.2	50
6	Critical materials and processing challenges affecting the interface and functional performance of wood polymer composites (WPCs). <i>Materials Chemistry and Physics</i> , 2016, 171, 290-302.	4.0	50
7	Multi-variable optimisation of the quality characteristics of fiber-laser cladded Inconel-625 composite coatings. <i>Surface and Coatings Technology</i> , 2019, 357, 289-303.	4.8	34
8	Optimization of the Quality Characteristics of Laser-Assisted Cold-Sprayed (LACS) Aluminum Coatings with Taguchi Design of Experiments (DOE). <i>Materials and Manufacturing Processes</i> , 2016, 31, 1490-1499.	4.7	25
9	Effect of mixing time on the bed density, and microstructure of selective laser sintered (sls) aluminium powders. <i>Materials Research</i> , 2012, 15, 167-176.	1.3	19
10	Mechanism of fiber/matrix bond and properties of wood polymer composites produced from alkaline-treated Daniella oliveri wood flour. <i>Polymer Composites</i> , 2016, 37, 2657-2672.	4.6	19
11	Experimental and numerical analyses of geometrical and microstructural features of Tribaloy T-800 composite coating deposited via laser cladding-assisted with pre-heat (LCAP) process. <i>Journal of Manufacturing Processes</i> , 2021, 69, 84-111.	5.9	15
12	Enzymatic synthesis of highly flexible lignin cross-linked succinyl-chitosan hydrogels reinforced with reed cellulose fibres. <i>European Polymer Journal</i> , 2019, 120, 109201.	5.4	14
13	Effects of Daniella oliveri Wood Flour Characteristics on the Processing and Functional Properties of Wood Polymer Composites. <i>Materials and Manufacturing Processes</i> , 2016, 31, 1073-1084.	4.7	10
14	Isothermal Oxidation Performance of Laser Cladding Assisted with Preheat (LCAP) Tribaloy T-800 Composite Coatings Deposited on EN8. <i>Coatings</i> , 2021, 11, 843.	2.6	7
15	Using structured examples and prompting reflective questions to correct misconceptions about thermodynamic concepts. <i>European Journal of Engineering Education</i> , 2014, 39, 157-187.	2.3	5
16	Microstructural Characteristics, Crack Frequency and Diffusion Kinetics of Functionally Graded Ti-Al Composite Coatings: Effects of Laser Energy Density (LED). <i>Jom</i> , 2019, 71, 900-911.	1.9	5
17	Consolidation mechanism, microstructural evolution and corrosion resistance of Inconel 625 coatings. <i>Surface Engineering</i> , 2021, 37, 212-225.	2.2	4
18	Optimisation of the wear resistance properties of laser cladded T-800 coatings. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 481-496.	3.0	4

#	ARTICLE	IF	CITATIONS
19	Characterization of Chemically and Thermo-chemically Treated Water Reed and Mokolwane Palm Fibers. <i>Journal of Natural Fibers</i> , 2022, 19, 7611-7626.	3.1	3
20	Conceptual Design Framework for Setting Up Aluminum Alloy Powder Production System for Selective Laser Melting (SLM) Process. <i>Jom</i> , 2019, 71, 1840-1857.	1.9	2