

Akeem D Akinwekomi

List of Publications by Year in descending order

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17
papers

313
citations

933264

10
h-index

996849

15
g-index

17
all docs

17
docs citations

17
times ranked

281
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid microwave sintering of carbon nanotube-filled AZ61 magnesium alloy composites. <i>Composites Part B: Engineering</i> , 2016, 93, 302-309.	5.9	60
2	Effect of mercerization on the mechanical and thermal response of hybrid bagasse fiber/CaCO ₃ reinforced polypropylene composites. <i>Polymer Testing</i> , 2019, 76, 192-198.	2.3	42
3	Mechanical performance and water uptake behaviour of treated bamboo fibre-reinforced high-density polyethylene composites. <i>Heliyon</i> , 2019, 5, e02028.	1.4	41
4	Structural performance of poultry eggshell derived hydroxyapatite based high density polyethylene bio-composites. <i>Heliyon</i> , 2019, 5, e02552.	1.4	30
5	Optimization and development of predictive models for the corrosion inhibition of mild steel in sulphuric acid by methyl-5-benzoyl-2-benzimidazole carbamate (mebendazole). <i>Cogent Engineering</i> , 2020, 7, 1714100.	1.1	24
6	Synthesis and characterisation of floatable magnesium alloy syntactic foams with hybridised cell morphology. <i>Materials and Design</i> , 2018, 160, 591-600.	3.3	22
7	Microstructural characterisation and corrosion behaviour of microwave-sintered magnesium alloy AZ61/fly ash microspheres syntactic foams. <i>Heliyon</i> , 2019, 5, e01531.	1.4	19
8	Processing and characterisation of carbon nanotube-reinforced magnesium alloy composite foams by rapid microwave sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 726, 82-92.	2.6	15
9	Compressive Characteristics of Aluminum-Fly Ash Syntactic Foams Processed by Microwave Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 4257-4260.	1.1	14
10	Influence of biodegradation on the tensile and wear resistance properties of bio-derived CaCO ₃ /epoxy composites. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	14
11	Bibliometric Mapping of Literature on High-Entropy/Multicomponent Alloys and Systematic Review of Emerging Applications. <i>Entropy</i> , 2022, 24, 329.	1.1	8
12	Finite element simulation of hybrid microwave sintering based on power approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 2503-2515.	1.5	7
13	Neural network-based model for predicting particle size of AZ61 powder during high-energy mechanical milling. <i>Neural Computing and Applications</i> , 2021, 33, 17611.	3.2	7
14	Finite Element Modelling of CNT-Filled Magnesium Alloy Matrix Composites under Microwave Irradiation. <i>Materials Science Forum</i> , 0, 867, 83-87.	0.3	5
15	Mathematical models for evaluating the influence of degradation on the tensile and flexural properties of palm kernel shell ash/epoxy composites. <i>Materiali in Tehnologije</i> , 2019, 53, 763-769.	0.3	3
16	Comparative investigation of the influence of kaolin and dolomite on the properties of polyurethane foam. <i>Manufacturing Review</i> , 2021, 8, 27.	0.9	2
17	Microwave-Mediated Electroless Coating of Copper on Hollow Fly Ash Microspheres. <i>International Journal of Engineering Research in Africa</i> , 0, 44, 1-7.	0.7	0