

Oluseyi O Ajayi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2601557/publications.pdf>

Version: 2024-02-01

76
papers

1,139
citations

394421

19
h-index

434195

31
g-index

77
all docs

77
docs citations

77
times ranked

816
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable energy for national climate change, food security and employment opportunities: Implications for Nigeria. <i>Fuel Communications</i> , 2022, 10, 100045.	5.2	18
2	On the prediction of power loss in helical gearbox via simulation approach. <i>Cleaner Engineering and Technology</i> , 2021, 3, 100128.	4.0	2
3	Development of a novel airfoil for low wind speed vertical axis wind turbine using QBlade simulation tool. <i>Fuel Communications</i> , 2021, 9, 100028.	5.2	4
4	Queueing Theory an Index Factor for Production Inventory Control in Automotive Industry”A Review. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 853-860.	0.4	1
5	Effect of controlled pH and concentrations of copper sulphate and silver nitrate solutions during nanoparticles synthesis towards modifying compressor oil yield stress and lubricity for improved refrigeration. <i>Heat and Mass Transfer</i> , 2020, 56, 931-961.	2.1	2
6	Investigating the electron tunneling effect on photovoltaic performance of almond (<i>Prunus dulcis</i>) dye-sensitized solar cell. <i>Heliyon</i> , 2020, 6, e02961.	3.2	2
7	Corrosion Behavior of Mild Steel in Different Concentrations of Ethanol Beverages. <i>Journal of Bio-and Tribo-Corrosion</i> , 2020, 6, 1.	2.6	1
8	Comprehensive data on the mechanical properties and biodegradation profile of polylactide composites developed for hard tissue repairs. <i>Data in Brief</i> , 2020, 32, 106107.	1.0	8
9	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.	5.8	5
10	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.	3.2	11
11	Influence of nanoparticles deposition on surface roughness and heat transfer characteristics of nanofluids “ A review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 331, 012018.	0.3	2
12	Performance enhancement using appropriate mass charge of R600a in a developed domestic refrigerator. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 331, 012025.	0.3	10
13	On the need for the development of low wind speed turbine generator system. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 331, 012062.	0.3	7
14	Constitutive Model to Analyse the effect of Variation in Temperature Distribution on the Rate of Heat Transfer around a Spur Gear Tooth. <i>Procedia Manufacturing</i> , 2019, 35, 236-241.	1.9	3
15	Investigation of effect of batch-separation on the micro-energy generation in <i>M.indica L.</i> dye-sensitized Solar Cells. <i>Procedia Manufacturing</i> , 2019, 35, 1273-1278.	1.9	1
16	A survey of Artificial Neural Network-based Prediction Models for Thermal Properties of Biomass. <i>Procedia Manufacturing</i> , 2019, 33, 184-191.	1.9	31
17	Predictive Modelling of a K-Unit Botttling Plants for Reliability Improvement. <i>Procedia Manufacturing</i> , 2019, 35, 91-96.	1.9	2
18	Forensic Investigation of a Failed Intermediate Starwheel Spur Gear Tooth in a Filler Machine. <i>Procedia Manufacturing</i> , 2019, 35, 97-102.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Investigation of the Effect of R134a/Al ₂ O ₃ Nanofluid on the Performance of a Domestic Vapour Compression Refrigeration System. <i>Procedia Manufacturing</i> , 2019, 35, 112-117.	1.9	28
20	Analysis of Tyndall effect on output performance of P.macrophylla Benth. dye-sensitized solar cells. <i>Procedia Manufacturing</i> , 2019, 35, 529-534.	1.9	0
21	Modelling and Simulation of Mechanical Wear of Carburized Cutting Tool. <i>Procedia Manufacturing</i> , 2019, 35, 1067-1072.	1.9	2
22	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. <i>Results in Engineering</i> , 2019, 3, 100025.	5.1	19
23	Experimental Analysis of the Effect of Tri-Nano Additives on Wear Rate of Mild Steel during Machining. <i>Procedia Manufacturing</i> , 2019, 35, 395-400.	1.9	11
24	Non-linear autoregressive neural network (NARNET) with SSA filtering for a university energy consumption forecast. <i>Procedia Manufacturing</i> , 2019, 33, 176-183.	1.9	23
25	Effect of Multi-gating System on Solidification of Molten Metals in Spur Gear Casting: A Simulation Approach. <i>Minerals, Metals and Materials Series</i> , 2019, , 667-677.	0.4	4
26	Performance and Energy Consumption Analyses of R290/Bio-Based Nanolubricant as a Replacement for R22 Refrigerant in Air-Conditioning System. <i>Minerals, Metals and Materials Series</i> , 2019, , 103-112.	0.4	4
27	Review on The Energy and Exergy Analysis of Vapour Compression Refrigeration System Using Nanolubricant. <i>Journal of Physics: Conference Series</i> , 2019, 1378, 042067.	0.4	6
28	Quenching A Significant Index Control In Heat Treatment An Overview. <i>Journal of Physics: Conference Series</i> , 2019, 1378, 032034.	0.4	1
29	Effects of Heat Treatment Techniques on the Fatigue Behaviour of Steel Gears: A Review. <i>Journal of Physics: Conference Series</i> , 2019, 1378, 032056.	0.4	0
30	Effects of Heat Treatment Techniques on the Fatigue Behaviour of Steel Gears: A Review. <i>Journal of Physics: Conference Series</i> , 2019, 1378, 042001.	0.4	1
31	Agro Waste A Sustainable Source For Steel Reinforcement-Review. <i>Journal of Physics: Conference Series</i> , 2019, 1378, 032032.	0.4	6
32	Finite Element Modelling of Electrokinetic Deposition of Zinc on Mild Steel with ZnO-Citrus sinensis as Nano-Additive. <i>Minerals, Metals and Materials Series</i> , 2018, , 199-211.	0.4	10
33	Data on drying kinetics of a semi-automated gas-fired fish dryer. <i>Data in Brief</i> , 2018, 18, 641-647.	1.0	3
34	Thermal Performance and Energy Consumption Analyses of R290 and R22 Refrigerants in Air-conditioning System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 413, 012072.	0.6	2
35	Characterisation of laser metal deposited titanium and molybdenum composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 413, 012067.	0.6	3
36	A Reliability-Centered Maintenance Study for an Individual Section-Forming Machine. <i>Machines</i> , 2018, 6, 50.	2.2	10

#	ARTICLE	IF	CITATIONS
37	Influence of n-Mosfet transistor on dye-sensitized solar cell efficiency. <i>Heliyon</i> , 2018, 4, e01078.	3.2	1
38	Investigation of the heat transfer effect of Ni/R134a nanorefrigerant in a mobile hybrid powered vapour compression refrigerator. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 391, 012001.	0.6	15
39	Experimental Investigation of the Effect of ZnO-Citrus sinensis Nano-additive on the Electrokinetic Deposition of Zinc on Mild Steel in Acid Chloride. <i>Minerals, Metals and Materials Series</i> , 2018, , 35-40.	0.4	5
40	Feasibility and techno-economic assessment of stand-alone and hybrid RE for rural electrification in selected sites of south eastern Nigeria. <i>International Journal of Ambient Energy</i> , 2017, 38, 55-68.	2.5	13
41	Modelling and Control of Flow Induced Vibration of Topâ€Tensioned Marine Risers Using Analytical Methods. <i>Procedia Manufacturing</i> , 2017, 7, 609-615.	1.9	0
42	Experimental Investigation and FE Simulation of the Effect of Variable Control on Temperature Distribution in Orthogonal Metal Cutting Process. <i>Procedia Manufacturing</i> , 2017, 7, 675-681.	1.9	1
43	Development of Thermomechanical Model for the Analysis of Effects of Friction and Cutting Speed on Temperature Distribution around AISI 316L During Orthogonal Machining. <i>Procedia Manufacturing</i> , 2017, 7, 682-687.	1.9	2
44	CFD Analysis of Nanorefrigerant through Adiabatic Capillary Tube of Vapour Compression Refrigeration System. <i>Procedia Manufacturing</i> , 2017, 7, 688-695.	1.9	14
45	Vibration Analysis of the Low Speed Shaft and Hub of a Wind Turbine Using Sub Structuring Techniques. <i>Procedia Manufacturing</i> , 2017, 7, 602-608.	1.9	6
46	Optimization of machine downtime in the plastic manufacturing. <i>Cogent Engineering</i> , 2017, 4, 1335444.	2.2	19
47	Data on the no-load performance analysis of a tomato postharvest storage system. <i>Data in Brief</i> , 2017, 13, 667-674.	1.0	6
48	Experimental and Mathematical Modeling for Prediction of Tool Wear on the Machining of Aluminium 6061 Alloy by High Speed Steel Tools. <i>Open Engineering</i> , 2017, 7, 461-469.	1.6	46
49	Potential and econometrics analysis of standalone RE facility for rural community utilization and embedded generation in North-East, Nigeria. <i>Sustainable Cities and Society</i> , 2016, 21, 66-77.	10.4	14
50	Process variability analysis in make-to-order production systems. <i>Cogent Engineering</i> , 2016, 3, 1269382.	2.2	11
51	Degradation of polynuclear aromatic hydrocarbons by two strains of <i>Pseudomonas</i> . <i>Brazilian Journal of Microbiology</i> , 2016, 47, 551-562.	2.0	33
52	Performance Evaluation and Multidoped Composite Conditioned of A5-type/10%Ti-Sn Alloy: Processing and Properties. <i>Journal of Failure Analysis and Prevention</i> , 2016, 16, 135-141.	0.9	1
53	Solar regime and LVOE of PV embedded generation systems in Nigeria. <i>Renewable Energy</i> , 2015, 78, 226-235.	8.9	24
54	Wind Energy Study and Energy Cost of Wind Electricity Generation in Nigeria: Past and Recent Results and a Case Study for South West Nigeria. <i>Energies</i> , 2014, 7, 8508-8534.	3.1	34

#	ARTICLE	IF	CITATIONS
55	New model to estimate daily global solar radiation over Nigeria. <i>Sustainable Energy Technologies and Assessments</i> , 2014, 5, 28-36.	2.7	74
56	Effect of potassium-chromate and sodium-nitrite on concrete steel-rebar degradation in sulphate and saline media. <i>Construction and Building Materials</i> , 2014, 50, 448-456.	7.2	70
57	Potential and economic viability of standalone hybrid systems for a rural community of Sokoto, North-west Nigeria. <i>Frontiers in Energy</i> , 2014, 8, 145-159.	2.3	19
58	Wind profile characteristics and turbine performance analysis in Kano, north-western Nigeria. <i>International Journal of Energy and Environmental Engineering</i> , 2013, 4, 27.	2.5	34
59	Sustainable energy development and environmental protection: Implication for selected states in West Africa. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 532-539.	16.4	27
60	Nigeria's energy policy: Inferences, analysis and legal ethics toward RE development. <i>Energy Policy</i> , 2013, 60, 61-67.	8.8	57
61	Evaluating the Deterioration Behaviour of Mild Steel in 2 M Sulphuric Acid in the Presence of <i>Butyrospermum parkii</i> . <i>Asian Journal of Applied Sciences</i> , 2012, 5, 74-84.	0.4	13
62	Design Optimization of Hot Air Dryer for Yam Flour Chunk. <i>Asian Journal of Scientific Research</i> , 2012, 5, 143-152.	0.1	4
63	Analytical Predictive Model for Wind Energy Potential Estimation: A Model for Pre-assessment Study. <i>Journal of Applied Sciences</i> , 2012, 12, 450-458.	0.3	5
64	Investigating the Acid Failure of Aluminium Alloy in 2 M Hydrochloric Acid Using <i>Vernonia amygdalina</i> . <i>ITB Journal of Engineering Science</i> , 2012, 44, 77-92.	0.1	9
65	Availability of wind energy resource potential for power generation at Jos, Nigeria. <i>Frontiers in Energy</i> , 2011, 5, 376-385.	2.3	26
66	Assessment of wind energy potential of two sites in North-East, Nigeria. <i>Renewable Energy</i> , 2011, 36, 1277-1283.	8.9	99
67	Small hydropower (SHP) development in Nigeria: An assessment. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2006-2013.	16.4	63
68	Degradation Study of Aluminum Alloy in 2 M Hydrochloric Acid in the Presence of <i>Chromolaena odorata</i> . <i>Journal of Engineering and Applied Sciences</i> , 2011, 6, 10-17.	0.2	16
69	The Potential for Wind Energy in Nigeria. <i>Wind Engineering</i> , 2010, 34, 303-311.	1.9	34
70	WIND ENERGY POTENTIAL FOR POWER GENERATION OF A LOCAL SITE IN GUSAU, NIGERIA. <i>International Journal of Energy for A Clean Environment</i> , 2010, 11, 99-116.	1.1	18
71	Assessment of utilization of wind energy resources in Nigeria. <i>Energy Policy</i> , 2009, 37, 750-753.	8.8	58
72	Nigeria's Energy Challenge and Power Development: The Way Forward. <i>Energy and Environment</i> , 2009, 20, 411-413.	4.6	15

#	ARTICLE	IF	CITATIONS
73	Simulation of Crack Growth Rate in Martensitic Steel. Journal of Applied Sciences, 2007, 7, 302-305.	0.3	3
74	Average Weight Based Quality Control of Nigeria Bakery Industry: A Statistical Approach. American Journal of Food Technology, 2007, 2, 212-216.	0.2	0
75	Impact of Working Fluids and Performance of Isobutane in the Refrigeration System. , 0, , .		0
76	Failure Mode and Cost Effect Analysis of a Model Bone Crushing Hammer. Key Engineering Materials, 0, 917, 63-69.	0.4	0