

# Olu Emmanuel Femi

## List of Publications by Year in descending order

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36  
papers

422  
citations

759055

12  
h-index

794469

19  
g-index

37  
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37  
docs citations

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times ranked

542  
citing authors

#	ARTICLE	IF	CITATIONS
1	An innovative catalyst of PdNiP nanosphere deposited PEDOT:PSS/rGO hybrid material as an efficient electrocatalyst for alkaline urea oxidation. <i>Polymer Bulletin</i> , 2023, 80, 1265-1283.	1.7	2
2	A Review of Lamellar Eutectic Morphologies for Enhancing Thermoelectric and Mechanical Performance of Thermoelectric Materials. <i>Journal of the Indian Institute of Science</i> , 2022, 102, 237-279.	0.9	4
3	Two-dimensional cobalt telluride as a piezo-tribogenerator. <i>Nanoscale</i> , 2022, 14, 7788-7797.	2.8	18
4	Insights into the Electrochemical Behavior and Kinetics of NiP@PANI/rGO as a High-Performance Electrode for Alkaline Urea Oxidation. <i>Electrocatalysis</i> , 2022, 13, 283-298.	1.5	3
5	Enhancement in magnetization of two-dimensional cobalt telluride and its magnetic field-assisted photocatalytic activity. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	8
6	Influence of cold rolling and thermal treatment on microstructure and texture evolution, and tensile behaviour of high strength Al-Co-Sc-Zr alloys. <i>Journal of Alloys and Compounds</i> , 2022, 907, 164427.	2.8	4
7	Understanding the mechanics of complex topology of the 3D printed Anthill architecture. <i>Oxford Open Materials Science</i> , 2022, 2, .	0.5	3
8	Energy Harvesting from Atomically Thin Co <sub>2</sub> Te <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2022, 126, 12545-12553.	1.5	4
9	Effect of support material on the electrocatalytic activity of palladium Nanoparticle toward hydrogen evolution reaction. <i>Materials Research Express</i> , 2021, 8, 025501.	0.8	9
10	Thermoelectric properties of BiSbTe-type alloys prepared by chill-casting and cryo-milling. <i>Materials Chemistry and Physics</i> , 2021, 260, 124116.	2.0	9
11	Synthesis, characterization and electrocatalytic study of Pd supported on CeO <sub>2</sub> @N, S-rGO composite towards hydrogen and oxygen evolution reaction. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12241-12252.	1.1	0
12	Scalable Synthesis of Atomically Thin Gallium Telluride Nanosheets for Supercapacitor Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 4829-4838.	2.4	38
13	Synthesis and characterizations of (Mg, Co, Ni, Cu, Zn)O high-entropy oxides. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	7
14	Polypyrrole@polyaniline-reduced graphene oxide nanocomposite support material and Cobalt for the enhanced electrocatalytic activity of nickel phosphide microsphere towards alkaline urea oxidation. <i>Materials Research Express</i> , 2021, 8, 095303.	0.8	2
15	Emerging two-dimensional tellurides. <i>Materials Today</i> , 2021, 51, 402-426.	8.3	27
16	Thermophysical and magnetic properties of Co-Ni-Mo-Al-Ta class of tungsten free Co-based superalloys. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160379.	2.8	5
17	Anisotropy of Microstructure and Its Influence on Thermoelectricity: The Case of Cu <sub>2</sub> Te@Sb <sub>2</sub> Te <sub>3</sub> Eutectic. <i>ACS Applied Energy Materials</i> , 2021, 4, 11867-11877.	2.5	2
18	Novel multifunctional molecular recognition elements based on molecularly imprinted poly (aniline-co-itaconic acid) composite thin film for melamine electrochemical detection. <i>Sensing and Bio-Sensing Research</i> , 2020, 27, 100318.	2.2	13

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19	Development of Melamine Electrochemical Sensor Using Molecularly Imprinted Conducting Polyaniline-Oxalic Acid Blend as a Molecular Recognition Element. <i>Nano Hybrids and Composites</i> , 2020, 29, 61-73.	0.8	0
20	Electrocatalytic Investigation of M@Pd (M=Ni, Co, Cu) Core-Shell Nanostructure Supported on N, S-Doped Reduced Graphene Oxide towards Hydrogen and Oxygen Evolution Reaction. <i>ChemistrySelect</i> , 2020, 5, 9989-9998.	0.7	8
21	Bioinspired Aluminum Composite Reinforced with Soft Polymers with Enhanced Strength and Plasticity. <i>Advanced Engineering Materials</i> , 2020, 22, 1901116.	1.6	2
22	Molecularly imprinted polyaniline molecular receptor-based chemical sensor for the electrochemical determination of melamine. <i>Journal of Molecular Recognition</i> , 2020, 33, e2836.	1.1	21
23	Synergetic effect between MoS <sub>2</sub> and N, S-doped reduced graphene oxide supported palladium nanoparticles for hydrogen evolution reaction. <i>Materials Chemistry and Physics</i> , 2020, 251, 123106.	2.0	23
24	Mechanical and Thermoelectric Properties of Eutectic Composite (Bi, Sb) <sub>2</sub> Te <sub>3</sub> /Te Thermoelectric Material. <i>Transactions of the Indian Institute of Metals</i> , 2020, 73, 1147-1155.	0.7	5
25	Fabrication of large-scale p-type 75%Sb <sub>2</sub> Te <sub>3</sub> -25%Bi <sub>2</sub> Te <sub>3</sub> thermoelectric materials by gas atomization and hot isostatic pressing. <i>Materials Research Bulletin</i> , 2020, 130, 110924.	2.7	4
26	Development of Molecularly Imprinted Conducting Polymer Composite Film-Based Electrochemical Sensor for Melamine Detection in Infant Formula. <i>ACS Omega</i> , 2020, 5, 4090-4099.	1.6	40
27	Production of magnetite nanoparticles from Ethiopian iron ore using solvent extraction and studying parameters that affect crystallite size. <i>Materials Research Express</i> , 2020, 7, 105016.	0.8	3
28	Microstructure and thermoelectric properties of Cu <sub>2</sub> Te-Sb <sub>2</sub> Te <sub>3</sub> pseudo-binary system. <i>Applied Surface Science</i> , 2018, 449, 805-814.	3.1	16
29	Effects of Ni and carbon-coated Ni addition on the thermoelectric properties of 25Bi <sub>2</sub> Te <sub>3</sub> +75Sb <sub>2</sub> Te <sub>3</sub> base composites. <i>Materials Chemistry and Physics</i> , 2017, 195, 49-57.	2.0	11
30	Thermoelectric Properties of Bi Doped Tetrahedrite. <i>Journal of Electronic Materials</i> , 2017, 46, 2616-2622.	1.0	40
31	Improved Mechanical Properties of Al-Si Alloys by Adding an Extrusion Process to Conventional Processing Method. <i>Archives of Metallurgy and Materials</i> , 2017, 62, 1179-1183.	0.6	0
32	Microstructure evolution and thermoelectric properties of Te-poor and Te-rich (Bi,Sb) <sub>2</sub> Te <sub>3</sub> prepared via solidification. <i>Journal of Materials Science</i> , 2016, 51, 7254-7265.	1.7	12
33	Effect of processing route on the bipolar contribution to the thermoelectric properties of n-type eutectic Bi <sub>22.5</sub> Sb <sub>7.5</sub> Te <sub>70</sub> alloy. <i>Journal of Alloys and Compounds</i> , 2016, 682, 791-798.	2.8	14
34	Thermoelectric Properties of In-Doped Cu <sub>2</sub> ZnGeSe <sub>4</sub> . <i>Journal of Electronic Materials</i> , 2016, 45, 1625-1632.	1.0	17
35	Silicene and transition metal based materials: prediction of a two-dimensional piezomagnet. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 375502.	0.7	43
36	Insights into electrochemical behavior and kinetics of NiP on PEDOT:PSS/reduced graphene oxide as high-performance electrodes for alkaline urea oxidation. <i>Journal of Solid State Electrochemistry</i> , 0, , 1.	1.2	5