

Oluwaseun Oyewole

List of Publications by Year in descending order

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32
papers

234
citations

1163117

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1058476

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32
docs citations

32
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-Assisted Fabrication of Perovskite Solar Cells. <i>Scientific Reports</i> , 2020, 10, 7183.	3.3	34
2	Micro-wrinkling and delamination-induced buckling of stretchable electronic structures. <i>Journal of Applied Physics</i> , 2015, 117, 235501.	2.5	27
3	Adhesion in flexible organic and hybrid organic/inorganic light emitting device and solar cells. <i>Journal of Applied Physics</i> , 2014, 116, 074506.	2.5	24
4	Pressure-induced interfacial contacts and the deformation in all solid-state Li-ion batteries. <i>Journal of Power Sources</i> , 2022, 521, 230939.	7.8	14
5	Lamination of organic solar cells and organic light emitting devices: Models and experiments. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	12
6	Annealing effects on interdiffusion in layered FA-rich perovskite solar cells. <i>AIP Advances</i> , 2021, 11, .	1.3	12
7	Cold welding of organic light emitting diode: Interfacial and contact models. <i>AIP Advances</i> , 2016, 6, .	1.3	10
8	A Study of Factors that Influence the Adoption of Solar Powered Lanterns in a Rural Village in Kenya. <i>Perspectives on Global Development and Technology</i> , 2015, 14, 448-491.	0.4	8
9	A study of the effects of a thermally evaporated nanoscale CsBr layer on the optoelectronic properties and stability of formamidinium-rich perovskite solar cells. <i>AIP Advances</i> , 2021, 11, 095112.	1.3	8
10	Adhesion in Perovskite Solar Cell Multilayer Structures. <i>ACS Applied Energy Materials</i> , 2022, 5, 6011-6018.	5.1	8
11	Pressure effects on interfacial surface contacts and performance of organic solar cells. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	7
12	A Hybrid Hole Transport Layer for Perovskite-Based Solar Cells. <i>Energies</i> , 2021, 14, 1949.	3.1	7
13	Interfacial fracture of hybrid organic/inorganic perovskite solar cells. <i>Extreme Mechanics Letters</i> , 2022, 50, 101515.	4.1	7
14	Failure of Stretchable Organic Solar Cells under Monotonic and Cyclic Loading. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000369.	3.6	6
15	Tin Oxide Modified Titanium Dioxide as Electron Transport Layer in Formamidinium-Rich Perovskite Solar Cells. <i>Energies</i> , 2021, 14, 7870.	3.1	6
16	Effects of temperature-dependent burn-in decay on the performance of triple cation mixed halide perovskite solar cells. <i>AIP Advances</i> , 2022, 12, 015122.	1.3	6
17	Effects of pre-buckling on the bending of organic electronic structures. <i>AIP Advances</i> , 2017, 7, .	1.3	5
18	Compressive deformation of Bambusa Vulgaris-Schrad in the transverse and longitudinal orientations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103750.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Comparative analyses of rice husk cellulose fiber and kaolin particulate reinforced thermoplastic cassava starch biocomposites using the solution casting technique. <i>Polymer Composites</i> , 2021, 42, 3216-3230.	4.6	5
20	Reliability and Physics Failure of Stretchable Organic Solar Cells. <i>MRS Advances</i> , 2016, 1, 21-26.	0.9	4
21	An investigation into compressive deformation and failure mechanisms in a novel Li-ion solid-state electrolyte. <i>MRS Advances</i> , 2021, 6, 154-161.	0.9	4
22	Corrosion behavior of 5-hydroxytryptophan (HTP)/epoxy and clay particle-reinforced epoxy composite steel coatings. <i>Cogent Engineering</i> , 2020, 7, 1797982.	2.2	3
23	Pressure-assisted fabrication of perovskite light emitting devices. <i>AIP Advances</i> , 2021, 11, 025112.	1.3	2
24	Pressure and thermal annealing effects on the photoconversion efficiency of polymer solar cells. <i>AIP Advances</i> , 2021, 11, .	1.3	2
25	Understanding the effects of annealing temperature on the mechanical properties of layers in FAI-rich perovskite solar cells. <i>AIP Advances</i> , 2022, 12, 025104.	1.3	2
26	Hydroxyapatite and bone particle-doped ceramic water filters for the removal of fluoride and bacteria. <i>Cogent Engineering</i> , 2022, 9, .	2.2	2
27	Mechanical Properties of Epoxy/Clay Composite Coatings on an X65 Steel Substrate. <i>Cogent Engineering</i> , 2021, 8, .	2.2	1
28	Fracture and fatigue behavior of Bambusa Vulgaris-Schrad Bamboo. <i>Cogent Engineering</i> , 2021, 8, .	2.2	1
29	Cell-surface interactions on gold-coated polydimethylsiloxane nanocomposite structures: Localized laser heating on cell viability. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2611-2624.	4.0	1
30	Failure Mechanisms of Stretchable Perovskite Light-Emitting Devices under Monotonic and Cyclic Deformations. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100435.	3.6	1
31	Effects of blister formation on the degradation of organic light emitting devices. <i>AIP Advances</i> , 2022, 12, 035308.	1.3	0
32	Mechanical properties of polyvinylpyrrolidone/polyvinyl alcohol-based solid electrolytes. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	0