

Chinedu Ekuma

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

263
citations

1039880

9
h-index

996849

15
g-index

18
all docs

18
docs citations

18
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of PbTe and PbSe. Physical Review B, 2012, 85, .	1.1	72
2	Vacancy defects induced changes in the electronic and optical properties of NiO studied by spectroscopic ellipsometry and first-principles calculations. Journal of Applied Physics, 2020, 128, .	1.1	42
3	Plasma-Enhanced Atomic Layer Deposition of HfO ₂ on Monolayer, Bilayer, and Trilayer MoS ₂ for the Integration of High- ϵ_r Dielectrics in Two-Dimensional Devices. ACS Applied Nano Materials, 2019, 2, 4085-4094.	2.4	36
4	Local density approximation description of electronic properties of wurtzite cadmium sulfide (w-CdS). Canadian Journal of Physics, 2011, 89, 319-324.	0.4	27
5	Efficient p -type doping of sputter-deposited NiO thin films with Li, Ag, and Cu acceptors. Physical Review Materials, 2020, 4, .	0.9	19
6	ElaTool: An automated toolkit for elastic constants calculation. Computer Physics Communications, 2022, 270, 108180.	3.0	17
7	Effects of Vacancy Defects on the Electronic and Optical Properties of Monolayer PbSe. Journal of Physical Chemistry Letters, 2018, 9, 3680-3685.	2.1	13
8	Observation of Novel Multifunctionalities in Monolayer CdO. Advanced Theory and Simulations, 2018, 1, 1800107.	1.3	11
9	Electronic, magnetic, vibrational, and X-ray spectroscopy of inverse full-Heusler Fe ₂ IrSi alloy. Physical Chemistry Chemical Physics, 2021, 23, 11876-11885.	1.3	11
10	Surface passivated and encapsulated ZnO atomic layers by high- ϵ_r ultrathin MgO layers. Nanoscale, 2019, 11, 12502-12506.	2.8	4
11	Graphene/ZnO van der Waals Stacks for Thermal Management. ACS Applied Nano Materials, 2020, 3, 7136-7142.	2.4	4
12	Electronic and vibrational spectroscopy of miscible MgO-ZnO ternary alloys. Journal of Applied Physics, 2020, 127, 075706.	1.1	3
13	Optical absorption in monolayer SnO ₂ . Physical Review B, 2019, 99, .		
14	Two-particle excitations under coexisting electron interaction and disorder. Physical Review B, 2018, 98, .	1.1	1
15	Discrimination of ϵ - and δ -Propanol by Using the Transient Current Change of a Semiconducting ZnFe ₂ O ₄ Chemiresistor. ChemPlusChem, 2019, 84, 387-391.	1.3	1
16	Fingerprints of native defects in monolayer PbTe. Nanoscale Advances, 2019, 1, 513-521.	2.2	0
17	Chlorine-mediated atomic layer deposition of HfO ₂ on graphene. Journal of Materials Chemistry C, 0, , .	2.7	0
18	Origin of strong Coulomb interactions in borophene: First-principles Wannier function analysis. Journal of Applied Physics, 2022, 131, .	1.1	0