Diola Bagayoko

List of Publications by Year
in descending order

34	432	933447 10	713466 21
papers	citations	h-index	g-index

34	34	34	617
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ab Initio Calculation of Accurate Electronic and Transport Properties of Zinc Blende Gallium Antimonide (zb-GaSb). Journal of Modern Physics, 2022, 13, 414-431.	0.6	1
2	First Principle Calculation of Accurate Electronic and Related Properties of Zinc Blende Indium Arsenide (zb-InAs). Materials, 2022, 15, 3690.	2.9	3
3	Ground State Properties of the Wide Band Gap Semiconductor Beryllium Sulfide (BeS). Materials, 2021, 14, 6128.	2.9	2
4	First Principle Investigation of Electronic, Transport, and Bulk Properties of Zinc-Blende Magnesium Sulfide. Electronics (Switzerland), 2020, 9, 1791.	3.1	7
5	Higher Education Systems and Institutions, Mali. , 2020, , 1274-1280.		0
6	<i>Ab-Initio</i> Self-Consistent Density Functional Theory Description of Rock-Salt Magnesium Selenide (MgSe). Materials Sciences and Applications, 2020, 11, 401-414.	0.4	1
7	Accurate, First-Principle Study of Electronic and Related Properties of the Ground State of Li₂Se. Journal of Modern Physics, 2019, 10, 909-921.	0.6	0
8	First-principles studies of electronic, transport and bulk properties of pyrite FeS2. AIP Advances, 2018, 8, .	1.3	20
9	Reliable density functional calculations for the electronic structure of thermoelectric material ZnSb. AIP Advances, 2018, 8, .	1.3	9
10	Predictions of Electronic, Transport, and Structural Properties of Magnesium Sulfide (MgS) in the Rocksalt Structure. Journal of Modern Physics, 2018, 09, 1773-1784.	0.6	10
11	Higher Education Systems and Institutions, Mali. , 2018, , 1-7.		0
12	<i>Ab-Initio</i> Computations of Electronic, Transport, and Related Properties of Chromium Disilicide (CrSi₂). Journal of Modern Physics, 2018, 09, 2457-2472.	0.6	1
13	The Seismic Transformation in Higher Education in the 21st Century: The Case for Data Analytics and Student Success. International Journal of Innovative Business Strategies, 2018, 4, 199-202.	0.1	0
14	Accurate Electronic, Transport, and Bulk Properties of Zinc Blende Gallium Arsenide (Zb-GaAs). Journal of Modern Physics, 2017, 08, 531-546.	0.6	10
15	<i>Ab-Initio</i> Computations of Electronic, Transport, and Structural Properties of <i>zinc-blende</i> Beryllium Selenide (<i>zb</i>-BeSe). Journal of Modern Physics, 2017, 08, 552-566.	0.6	3
16	Accurate Electronic, Transport, and Related Properties of Wurtzite Beryllium Oxide (w-BeO). Journal of Modern Physics, 2017, 08, 1938-1949.	0.6	5
17	Calculated electronic, transport, and related properties of zinc blende boron arsenide (zb-BAs). Journal of Applied Physics, 2016, 120, .	2.5	27
18	Understanding the Relativistic Generalization of Density Functional Theory (DFT) and Completing It in Practice. Journal of Modern Physics, 2016, 07, 911-919.	0.6	9

#	Article	IF	Citations
19	Undergraduate Research at the Timbuktu Academy and LS-LAMP at Southern University and A&M College in Baton Rouge (SUBR). Diversity in Higher Education, 2015, , 87-114.	0.1	0
20	Microwave absorption properties of multi-walled carbon nanotube (outer diameter 20â€“30nm)â€“epoxy composites from 1 to 26.5GHz. Diamond and Related Materials, 2015, 52, 66-71.	3.9	39
21	Catalytic reaction on FeN4/C site of nitrogen functionalized carbon nanotubes as cathode catalyst for hydrogen fuel cells. Catalysis Communications, 2015, 62, 79-82.	3.3	13
22	Ab-initio computations of electronic and transport properties of wurtzite aluminum nitride (w-AlN). Materials Chemistry and Physics, 2015, 157, 80-86.	4.0	15
23	Ab initio prediction of electronic, transport and bulk properties of Li2S. International Journal of Modern Physics B, 2015, 29, 1542006.	2.0	5
24	High Microwave Absorption of Multi-Walled Carbon Nanotubes (Outer Diameter 10 â€“ 20 nm)-Epoxy Composites in Râ€“Band. Physical Science International Journal, 2015, 8, 1-10.	0.3	1
25	Understanding density functional theory (DFT) and completing it in practice. AIP Advances, 2014, 4, .	1.3	115
26	First principles simulation on the K0.8Fe2Se2 high-temperature structural superconductor. Physica C: Superconductivity and Its Applications, 2013, 493, 55-57.	1.2	1
27	ELECTRONIC STRUCTURE OF K_{0.8}Fe₂Se₂ FROM DENSITY FUNCTIONAL THEORY GW METHOD SIMULATION. International Journal of Modern Physics B, 2013, 27, 1362017.	2.0	0
28	Energy Structure of Two-Dimensional Graphene-Semiconductor Quantum Dot. World Journal of Condensed Matter Physics, 2013, 03, 144-151.	0.2	5
29	Parallel Molecular Dynamics Simulations and Immersive Visualization of Thermal Barrier Coating Components: Thermally Growing Oxide and Yttria Stabilized Zirconia. , 2013, , .		0
30	Electronic, structural, and elastic properties of metal nitrides XN (X = Sc, Y): A first principle study. AIP Advances, 2012, 2, 032163.	1.3	11
31	First principle electronic, structural, elastic, and optical properties of strontium titanate. AIP Advances, 2012, 2, .	1.3	43
32	Ab-initio Electronic and Structural Properties of Rutile Titanium Dioxide. Japanese Journal of Applied Physics, 2011, 50, 101103.	1.5	32
33	Ab-initioElectronic and Structural Properties of Rutile Titanium Dioxide. Japanese Journal of Applied Physics, 2011, 50, 101103.	1.5	40
34	Doped C60 Study from First Principles Simulation. Journal of Superconductivity and Novel Magnetism, 2010, 23, 877-880.	1.8	4