Mohamed Issam Ziane

List of Publications by Year
in descending order

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15 papers	175 citations	1307594 7 h-index	1125743 13 g-index
15 all docs	15 docs citations	15 times ranked	114 citing authors

#	Article	IF	Citations
1	First principles study of structural, electronic and optical properties of indium gallium nitride arsenide lattice matched to gallium arsenide. Materials Science in Semiconductor Processing, 2015, 30, 181-196.	4.0	31
2	First-principles investigation of the optical properties for rocksalt mixed metal oxide Mg Zn1â^'O. Materials Chemistry and Physics, 2016, 182, 182-189.	4.0	28
3	Full-potential calculations of structural and optoelectronic properties of cubic indium gallium arsenide semiconductor alloys. Optik, 2016, 127, 9280-9294.	2.9	27
4	First principles investigation of optoelectronic properties of ZnXP2 (Xâ€¯=â€¯Si, Ge) lattice matched with silicon for tandem solar cells applications using the mBJ exchange potential. Optik, 2018, 159, 229-244.	2.9	24
5	First-principles prediction of the structural and electronic properties of zinc blende GaNxAs1â^'x alloys. Materials Science in Semiconductor Processing, 2013, 16, 1138-1147.	4.0	17
6	A numerical optimization study of CdS and Mg0.125Zn0.875O buffer layers in CIGS-based solar cells using wxAMPS-1D package. International Journal of Modelling and Simulation, 2022, 42, 179-191.	3.3	9
7	Computational evaluation of optoelectronic, thermodynamic and electron transport properties of CuYZ2 (Z= S, Se and Te) chalcogenides semiconductors. Materials Chemistry and Physics, 2022, 277, 125553.	4.0	8
8	Properties of Undoped and (Al, In) Doped ZnO Thin Films Prepared by Ultrasonic Spray Pyrolysis for Solar Cell Applications. Journal of Nano- and Electronic Physics, 2018, 10, 02036-1-02036-5.	0.5	7
9	Optoelectronic properties of the new quaternary chalcogenides Zn2CuInTe4 and Cd2CuInTe4: Ab-initio study. Optik, 2018, 157, 248-258.	2.9	6
10	Anisotropic optical properties of Cu2ZnSn(SxSe1â^'x)4 solid solutions: First-principles calculations with TB-mBJ+U. Optik, 2021, 243, 167490.	2.9	6
11	The reciprocal correlation between magnetic and structural, electronic, optical properties of DMS of Zn1-xSMnx. Optik, 2018, 168, 901-912.	2.9	5
12	First-Principle Computed Structural and Thermodynamic Properties of Cu2ZnSn(SxSe1â^'x)4 Pentanary Solid Solution. Journal of Electronic Materials, 2019, 48, 6991-7002.	2.2	5
13	First Principal Calculations of Optical Properties of InGaN2 Using in Solar Cells Applications. Applied Condition Monitoring, 2015, , 179-187.	0.4	1
14	First Principles Prediction of Structural, Electronic and Optical Properties of Zinc Blende InxGa1â€“xP Alloys. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 216-223.	0.5	1
15	Ground-state properties of p-type delafossite transparent conducting oxides 2H-CuMO2 (M=Al, Sc and) Tj ETQq1 1 0.784314 rgBT /O	1.9	0