Ghulam Murtaza

List of Publications by Year
in descending order

185	4,449	117453	174990
papers	citations	34 h-index	52 g-index

187	187	187	2968
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid functional calculations of optoelectronic properties of ultra-wide bandgap LiSmO2: A first-principle study. Solid State Communications, 2022, 342, 114619.	0.9	4
2	Investigations of <scp> 2D Ti ₃ C ₂ </scp> (<scp>MXene</scp>)â€•<scp> CoCr ₂ O ₄ </scp> nanocomposite as an efficient electrode material for electrochemical supercapacitors. International Journal of Energy Research, 2022, 46, 6689-6701.	2.2	17
3	First-principles calculations to investigate variation of cationic-ligand LmAl2Ge2 (Lmâ€‰=â€‰Ca, Y, La and Ce). Indian Journal of Physics, 2022, 96, 3151-3159.	0.9	5
4	Effect of layer sliding on the interfacial electronic properties of intercalated silicene/indium selenide van der Waals heterostructure. Communications in Theoretical Physics, 2022, 74, 035701.	1.1	8
5	First-principles study on the electronic band profiles, structural, mechanical and thermoelectric properties of semiconducting MgSc2Te4 and MgY2Te4 Spinels. European Physical Journal Plus, 2022, 137, 1.	1.2	5
6	Thermoelectric, structural, electronic, magnetic, and thermodynamic properties of CaZn2Ge2 compound. European Physical Journal Plus, 2022, 137, 1.	1.2	10
7	Modeling of bulk modulus of A2BX6 cubic crystals (A = K, Cs, Rb, Tl, NH4; B = tetravalent cation; X = F,) Tj ETQq1 1 0.784314 rgBT /O	1.8	7
8	Effects of anion-ligands replacement on the Structural, Electronic and Magnetic properties of ThCo2X2 (XÂ=ÂSi, Ge). Chinese Journal of Physics, 2022, 77, 956-964.	2.0	8
9	Predicting Lattice Constants of Half-Heusler Alloys Through Deep Neural Network Models Using Symbols of Elements and/or Ionic Radii. Spin, 2022, 12, .	0.6	0
10	A two-step clustering to minimize redundant transmission in wireless sensor network using sleep-awake mechanism. Wireless Networks, 2022, 28, 2077-2104.	2.0	7
11	Engineering of Transition Metal Sulfide Nanostructures as Efficient Electrodes for High-Performance Supercapacitors. ACS Applied Energy Materials, 2022, 5, 6481-6498.	2.5	68
12	Impact of 5d electrons on half metallic ferromagnetism, and thermoelectric properties of Cs2Z(Cl/Br)6 (Z = Os, Ir) for spintronic applications. Materials Chemistry and Physics, 2022, 288, 126414.	2.0	17
13	Influence of the spin-orbit coupling effect on the electronic and thermoelectric properties of Cs2MI6 (M = Zr, Hf) variant perovskites. Materials Research Bulletin, 2021, 134, 111112.	2.7	11
14	An investigation of half-metallic variant perovskites A2NbCl6 (A= K, Rb) for spintronic based applications. Journal of Solid State Chemistry, 2021, 293, 121823.	1.4	14
15	Structural, electronic and optoelectronic properties of <scp> AB ₅ C ₈ </scp> (<scp>A = Cu/Ag; B = In and C = S, Se and Te</scp>) compounds. International Journal of Energy Research, 2021, 45, 4014-4025.	2.2	4
16	Optoelectronic and transport properties of Rb/ <scp> Cs ₂ TeI ₆ </scp> defective perovskites for green energy applications. International Journal of Energy Research, 2021, 45, 8448-8455.	2.2	16
17	Study of Optoelectronic and Thermoelectric Characteristics of Cesium Based Halides CsYbX₃ (X = Br, Cl) for Clean Energy Harvesting. ECS Journal of Solid State Science and Technology, 2021, 10, 015002.	0.9	5
18	Pressureâ€dependent <scp>elastoâ€mechanical</scp> stability and thermoelectric properties of <scp> MYbF ₃ </scp> (M = Rb, Cs) materials for renewable energy. International Journal of Energy Research, 2021, 45, 8711-8723.	2.2	48

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19	Prediction of novel X 2 ZnZ 4 (X = Sc, Y; Z = S, Se) spinels materials for renewable energy applications. International Journal of Energy Research, 2021, 45, 8307-8315.	2.2	5
20	Anionic variations for BaMg2X2 (Xâ€‰=â€‰N to Bi) compounds by density functional theory. European Physical Journal Plus, 2021, 136, 1.	1.2	13
21	Firstâ€principles calculations of structural, electronic, optical, and thermoelectric properties of ternary d â€metal sulfides <scp> Sc ₂ CdS ₄ </scp> and <scp> Y ₂ CdS ₄ </scp> compounds. International Journal of Energy Research, 2021, 45, 13657-13667.	2.2	9
22	Electronic and optical properties of vacancy ordered double perovskites A2BX6 (Aâ€‰=â€‰Rb, Cs; Bâ€‰=â€‰Sn, Pd, Pt;) Tj ETQq0 0	1.6	78
23	First principle study of structural, electronic, optical and mechanical properties of cubic fluoro-perovskites: (CdXF3, Xâ€‰=â€‰Y, Bi). European Physical Journal Plus, 2021, 136, 1.	1.2	36
24	Machine learning-based offline signature verification systems: A systematic review. Signal Processing: Image Communication, 2021, 93, 116139.	1.8	23
25	A hybridization strategy using equal and unequal clustering schemes to mitigate idle listening for lifetime maximization of wireless sensor network. Wireless Networks, 2021, 27, 2641-2670.	2.0	3
26	Co2YZ (Y= Cr, Nb, Ta, V and Z= Al, Ga) Heusler alloys under the effect of pressure and strain. Journal of Molecular Graphics and Modelling, 2021, 104, 107841.	1.3	46
27	Spin-based transport properties of Cs2WX6 (Xâ€‰=â€‰Cl, Br) ferromagnets for spin-injected thermoelectric current. European Physical Journal Plus, 2021, 136, 1.	1.2	12
28	Defective perovskites Cs2SeCl6 and Cs2TeCl6 as novel high temperature potential thermoelectric materials. Materials Science in Semiconductor Processing, 2021, 127, 105728.	1.9	33
29	Insights into the structural, electronic and optical properties of MgA2B4(A = Sc, Y; B = S, Se) spinel compounds: Direct energy band gap materials. Materials Science in Semiconductor Processing, 2021, 127, 105736.	1.9	6
30	Systematic investigation of magnetic, optical and transport properties of RTX (R = Rare earth, T = 3d/4d) Tj ETQq0 0 0 rgBT /Overlock 10 2021, 35, 2150212.	1.0	0
31	Study of optical and thermoelectric properties of ZYbI3 (Z = Rb, Cs) for solar cells and renewable energy; Modelling by density functional theory. Journal of Physics and Chemistry of Solids, 2021, 155, 110117.	1.9	18
32	Study of optoelectronic and thermoelectric properties of double perovskites for renewable energy. Physica Scripta, 2021, 96, 125828.	1.2	12
33	First principle study of half metallic ferromagnetism and transport properties of spinelâ€™s ZnFe₂(S/Se)₄ for spintronic. Physica Scripta, 2021, 96, 125816.	1.2	10
34	Synthesis and characterisation of nanosized spinel particles of nickel-doped iron chromite. Philosophical Magazine Letters, 2021, 101, 464-473.	0.5	7
35	First principle study of optoelectronic and thermoelectric properties of magnesium based MgX2O4 (X) Tj ETQq1 1 0.784314 rgBT /Ov	1.4	14
36	Appealing perspectives of structural, electronic, mechanical, and thermoelectric properties of Tl2(Se,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 110258.	1.9	34

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37	Different physical properties of biâ€alkali pnictogen compounds using density functional theory. International Journal of Energy Research, 2021, 45, 7703-7718.	2.2	10
38	Computational investigation of structural, magnetic, elastic, and electronic properties of Half-Heusler ScVX (Xâ€‰=â€‰Si, Ge, Sn, and Pb) compounds. European Physical Journal Plus, 2021, 136, 1.	1.2	10
39	First-principles calculations for optoelectronic properties of AlSb and GaSb under influence of spinâ€“orbit interaction effect. Indian Journal of Physics, 2020, 94, 477-484.	0.9	14
40	Deep learning-based breast cancer classification through medical imaging modalities: state of the art and research challenges. Artificial Intelligence Review, 2020, 53, 1655-1720.	9.7	161
41	Breast Cancer Multi-classification through Deep Neural Network and Hierarchical Classification Approach. Multimedia Tools and Applications, 2020, 79, 15481-15511.	2.6	40
42	DFT Investigations of Structural, Magnetic, Electronic, and Optical Properties of CsEuCl3. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1045-1051.	0.8	15
43	A theoretical study of the structural, thermoelectric, and spinâ€orbit coupling influenced optoelectronic properties of CsTmCl₃ halide perovskite. International Journal of Quantum Chemistry, 2020, 120, e26141.	1.0	31
44	Electronic and optical properties of Sr3X2 (X=N, P, As, Sb and Bi) compounds: first principles study. Philosophical Magazine, 2020, 100, 768-781.	0.7	6
45	Pressure induced physical variations in the lead free fluoropervoskites XYF3 (X=K, Rb, Ag; Y=Zn, Sr,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	15
46	Anion replacement effect on BaCd2X2 (X = P, As, Sb, Bi) compounds: A first principles study. Journal of Solid State Chemistry, 2020, 292, 121589.	1.4	8
47	Anion-cation replacement effect in lead free tin based variant perovskites. Physica B: Condensed Matter, 2020, 595, 412345.	1.3	14
48	Smartphone Motion Sensor-Based Complex Human Activity Identification Using Deep Stacked Autoencoder Algorithm for Enhanced Smart Healthcare System. Sensors, 2020, 20, 6300.	2.1	20
49	Structural, electronic, optoelectronic and transport properties of LuZnCuAs2 compound: First principle calculations under DFT. Physica B: Condensed Matter, 2020, 596, 412351.	1.3	10
50	First Principle Study of Structural, Electronic, Elastic, and Magnetic Properties of Half-Heusler Compounds ScTiX (XÂ=â€‰Si, Ge, Pb, In, Sb, and Tl). Journal of Superconductivity and Novel Magnetism, 2020, 33, 3915-3922.	0.8	19
51	Modeling of structural, elastic, mechanical, acoustical, electronic and thermodynamic properties of XPdF₃ (X = Rb, Tl) perovskites through density functional theory. Physica Scripta, 2020, 95, 075705.	1.2	24
52	Theoretical investigation of the structural stabilities, optoelectronic and thermoelectric properties of ternary alloys NaInY2 (Y = S,ÂSeÂandÂTe) through modified Beckeâ€“Johnson exchange potential. International Journal of Modern Physics B, 2020, 34, 2050133.	1.0	7
53	Ab initio study for the structural, electronic, magnetic, optical, and thermoelectric properties of <scp> K ₂ OsX ₆ </scp> (X = Cl, Br) compounds. International Journal of Energy Research, 2020, 44, 9035-9049.	2.2	36
54	Ensembled deep convolution neural network-based breast cancer classification with misclassification reduction algorithms. Multimedia Tools and Applications, 2020, 79, 18447-18479.	2.6	19

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55	Exploring ferromagnetic half-metallic nature of Cs₂NpBr₆ via spin polarized density functional theory*. Chinese Physics B, 2020, 29, 066102.	0.7	15
56	Insight into pressure tunable structural, electronic and optical properties of "Equation missing" <!-- No EquationSource Format="TEX", only image --> via DFT calculations. European Physical Journal Plus, 2020, 135, 1.	1.2	32
57	<scp>Magnetoelectronic</scp> properties of ferromagnetic compounds <scp>Rb₂TaZ₆</scp> (Z = Cl, Br) for possible spintronic applications. International Journal of Quantum Chemistry, 2020, 120, e26357.	1.0	9
58	The significance of antiâ€fluorite <scp> Cs ₂ NbI ₆ </scp> via its structural, electronic, magnetic, optical and thermoelectric properties. International Journal of Energy Research, 2020, 44, 10179-10191.	2.2	25
59	Study of anion replacement effect on SrCd2X2 (X = P, As, Sb, Bi) compounds by FPLAPW+lo. Materials Science in Semiconductor Processing, 2020, 119, 105290.	1.9	8
60	Scalable and Universal Route for the Deposition of Binary, Ternary, and Quaternary Metal Sulfide Materials from Molecular Precursors. ACS Applied Energy Materials, 2020, 3, 1952-1961.	2.5	30
61	Heterogeneous Energy and Traffic Aware Sleep-Awake Cluster-Based Routing Protocol for Wireless Sensor Network. IEEE Access, 2020, 8, 12232-12252.	2.6	51
62	Probing the electronic structure and magnetism in Ni doped ZnTe: A DFT modeling and experiment. Journal of Alloys and Compounds, 2020, 834, 155176.	2.8	15
63	Theoretical investigations of optoelectronic and thermoelectric properties of the XIn2O4 (X = Mg, Zn,) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	22
64	First-principles calculations of electronic and magnetic properties of XMn₂Y₂ (X = Ca, Sr; Y = Sb, Bi) compounds. International Journal of Modern Physics B, 2019, 33, 1950199.	1.0	24
65	Comprehensive study of the physical properties of Ba₃Pn₂ (Pn=N, P, As, Sb and) Tj ETQq1 1 0.784314 rgBT	0.8	2
66	DFT prediction of the structural, electronic, thermoelectric and optical properties of ternary pnictides MgBe2X2 (X = N, P, As, Sb, Bi): A novel analysis of beryllium with 2A- and 5B-Elements of the structure type CaAl2Si2. Solid State Communications, 2019, 300, 113667.	0.9	13
67	First principle study of structural, electronic, optical, and transport properties of ternary compounds NaGaX2 (Xâ€‰=â€‰S, Se, and Te) in tetragonal chalcopyrite phase. Optical and Quantum Electronics, 2019, 51, 1.	1.5	20
68	Synthetic 2-D lead tin sulfide nanosheets with tuneable optoelectronic properties from a potentially scalable reaction pathway. Chemical Science, 2019, 10, 1035-1045.	3.7	16
69	Predicting Cyberbullying on Social Media in the Big Data Era Using Machine Learning Algorithms: Review of Literature and Open Challenges. IEEE Access, 2019, 7, 70701-70718.	2.6	87
70	Electronic and magnetic properties of alkali metal chlorides A₂MCl₆ (A = K,) Tj ETQq0 0 0 rgBT /Overlock 10 T 2019, 33, 1950072.	1.0	14
71	First principles investigation of Be3X2 (Xâ€¯=â€¯N, P, As) and their alloys for solar cell applications. Journal of Alloys and Compounds, 2019, 795, 385-390.	2.8	5
72	First principles calculations for structural, elastic, mechanical, electronic and optical properties of CsYbCl₃. Materials Research Express, 2019, 6, 065905.	0.8	23

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73	Investigation of the structural, electrical, optical and magnetic properties of XMg₄Mn₆O₁₅ (X = K, Rb, and Cs) compounds. Materials Research Express, 2019, 6, 066102.	0.8	11
74	Breast cancer classification using digital biopsy histopathology images through transfer learning. Journal of Physics: Conference Series, 2019, 1339, 012035.	0.3	6
75	Layer-sliding-mediated controlled tuning of physical properties of intercalated silicene/hBN heterostructure. Materials Research Express, 2019, 6, 035005.	0.8	6
76	Effects of anion replacement on the physical properties of CaCd2X2 (X = P, As, Sb, Bi). Journal of Physics and Chemistry of Solids, 2019, 127, 81-87.	1.9	10
77	First principle study of electronic, mechanical, optical and thermoelectric properties of CsMO3 (MÂ=) Tj ETQq1 1 0.784314 rgBT /Ove 19-26.	1.3	45
78	Electronic band profiles and optical response of Cd 3 Y 2 (Y= N, P and As) compounds. Journal of Physics and Chemistry of Solids, 2018, 119, 157-165.	1.9	2
79	Effect of Varying Pnictogen Elements (Pn=N, P, As, Sb, Bi) on the Optoelectronic Properties of SrZn₂Pn₂. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 285-293.	0.7	25
80	Synthesis, characterisation and photocatalytic performance of ZnS coupled Ag2S nanoparticles: A remediation model for environmental pollutants. Arabian Journal of Chemistry, 2018, 11, 827-837.	2.3	28
81	The effect of replacing pnictogen elements on the physical properties SrMg ₂ ${{oldsymbol{X}}}_{2}$ (${oldsymbol{X}}=N$, P, As, Sb, Bi) Zintl compounds. Chinese Physics B, 2018, 27, 047102.	0.7	22
82	Impact of anion replacement on the optoelectronic and thermoelectric properties of CaMg2X2, X= (N,) Tj ETQq0 0 0 rgBT /Overlock 10	1.3	21
83	The Effects of Ru and Rh Substitutions on the Magneto-electronic and Optical Properties of the TbNi5 Intermetallic Compound: An Ab Initio Investigation. Journal of Superconductivity and Novel Magnetism, 2018, 31, 547-559.	0.8	2
84	Ab Initio Investigation of the Structural, Electronic and Optical Properties of the Li2In2XY6 (XÂ=ÂSi, Ge;) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	50
85	Systematic studies of the structural and optoelectronic characteristics of CaZn₂X₂(X = N, P, As, Sb, Bi). Materials Research Express, 2018, 5, 016304.	0.8	19
86	Electronic, optical and thermoelectric properties of SnGa2GeX6 (XÂ=ÂS, Se) compounds. Journal of Alloys and Compounds, 2018, 737, 637-645.	2.8	7
87	Ab-initio prediction of structural, electronic and magnetic properties of Hexafluoromanganete(IV) complexes. International Journal of Modern Physics B, 2018, 32, 1850270.	1.0	9
88	Structural investigations of SnS_{1â^'x}Se_xsolid solution synthesized from chalcogeno-carboxylate complexes of organo-tin by colloidal and solvent-less routes. Dalton Transactions, 2018, 47, 10025-10034.	1.6	36
89	Ab-initio study of Li based chalcopyrite compounds LiGaX 2 (X= S, Se, Te) in tetragonal symmetry: A class of future materials for optoelectronic applications. Current Applied Physics, 2018, 18, 1113-1121.	1.1	20
90	Structural, Optoelectronic and Thermoelectric Properties of Ternary CaBe₂X₂ (X = N, P, As, Sb, Bi) Compounds. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 965-973.	0.7	18

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91	Anion-Cation Replacement Effect on the Structural and Optoelectronic Properties of the LiMX₂ (Mâ€‰=â€‰Al, Ga, In; Xâ€‰=â€‰S, Se, Te) Compounds: A First Principles Study. Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 645-655.	0.7	7
92	Chemical vapour deposition of chromium-doped tungsten disulphide thin films on glass and steel substrates from molecular precursors. Journal of Materials Chemistry C, 2018, 6, 9537-9544.	2.7	8
93	Photocatalytic removal of carcinogenic reactive red S3B dye by using ZnO and Cu doped ZnO nanoparticles synthesized by polyol method: A kinetic study. Solar Energy, 2018, 173, 875-881.	2.9	30
94	Synthesis of chalcopyrite-type and thiospinel minerals/materials by low temperature melts of xanthates. Dalton Transactions, 2018, 47, 8870-8873.	1.6	31
95	GGA and GGA + U Study of Rare Earth-Based Perovskites in Cubic Phase. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1389-1396.	0.8	26
96	Formation and Characterization of Model Iron Sulfide Scales with Disulfides and Thiols on Steel Pipeline Materials by an Aerosol-Assisted Chemical Vapor Method. Energy & Fuels, 2017, 31, 2496-2500.	2.5	0
97	Structural, electronic, optical and thermoelectric properties of Mg 3 X 2 (X = N, P, As, Sb, Bi) compounds. Materials Research Bulletin, 2017, 91, 22-30.	2.7	28
98	Exploring the versatility of liquid phase exfoliation: producing 2D nanosheets from talcum powder, cat litter and beach sand. 2D Materials, 2017, 4, 025054.	2.0	39
99	Ab Initio Investigations of Structural, Elastic, Mechanical, Electronic, Magnetic, and Optical Properties of Half-Heusler Compounds RhCrZ (Z = Si, Ge). Journal of Superconductivity and Novel Magnetism, 2017, 30, 2481-2488.	0.8	49
100	Band structure features, chemical bonding and optical properties of Zn3X2 (XÂ=ÂN, P, As) compounds. Journal of Alloys and Compounds, 2017, 728, 1226-1234.	2.8	16
101	First principles investigations of electronics, magnetic, and thermoelectric properties of rare earth based PrYO 3 (Y=Cr, V) perovskites. Current Applied Physics, 2017, 17, 1539-1546.	1.1	93
102	Ab initiostudy of the electronic and optical properties of Ag₃AuS₂polymorphs. Materials Research Express, 2017, 4, 085907.	0.8	2
103	Engel-Vosko GGA calculations of the structural, electronic and optical properties of LiYO 2. Physica B: Condensed Matter, 2017, 521, 62-68.	1.3	10
104	First principles study of the structural and optoelectronic properties of the A2InSbO6 (A = Ca, Sr, Ba) compounds. Optik, 2017, 130, 517-524.	1.4	44
105	Tailoring the electronic structure and optical properties of cadmium-doped zinc oxides nanosheet. Cogent Physics, 2017, 4, 1391734.	0.7	11
106	Structural, elastic, electronic and magnetic properties of Ba2XOsO6 (XÂ=ÂLi, Na, Ca) double perovskites. Indian Journal of Physics, 2016, 90, 1225-1231.	0.9	5
107	First Principles Investigation of the Elastic, Optoelectronic and Thermal Properties of XRuSb: (XÂ=ÂV,) Tj ETQq1 1 0.784314 rgBT /Ove 2016, 45, 3479-3490.	1.0	46
108	Electronic and Optical Properties of Ca3MN (M = Ge, Sn, Pb, P, As, Sb and Bi) Antiperovskite Compounds. Journal of Electronic Materials, 2016, 45, 4188-4196.	1.0	18

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109	Structural, elastic, electronic and optical properties of bi-alkali antimonides. Bulletin of Materials Science, 2016, 39, 1581-1591.	0.8	21
110	First-principles study of the double perovskites Sr2XOsO6 (X = Li, Na, Ca) for spintronics applications. Bulletin of Materials Science, 2016, 39, 1419-1425.	0.8	53
111	Photo-sensitization of ZnS nanoparticles with renowned ruthenium dyes N3, N719 and Z907 for application in solid state dye sensitized solar cells: A comparative study. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 583-591.	1.7	42
112	Computational study of Cu2ZnSn(X1â^'xTex)4 (X = S,ÂSe) for optoelectronic applications. International Journal of Modern Physics B, 2016, 30, 1650137.	1.0	4
113	Structural, optoelectronic, and thermoelectric properties of AZn13 (A=Na, K, Ca, Sr, Ba) compounds. International Journal of Modern Physics B, 2016, 30, 1650221.	1.0	3
114	Investigating the Structural, Thermal, and Electronic Properties of the Zircon-Type ZrSiO4, ZrGeO4 and HfSiO4 Compounds. Journal of Electronic Materials, 2016, 45, 5811-5821.	1.0	11
115	Structural and Optoelectronic Properties of X3ZN (XÂ=ÂCa, Sr, Ba; ZÂ=ÂAs, Sb, Bi) Anti-Perovskite Compounds. Journal of Electronic Materials, 2016, 45, 3059-3068.	1.0	23
116	Direct band gap nature and optical response of BexMgyZn1â^'(x+y)Se. Modern Physics Letters B, 2016, 30, 1650007.	1.0	2
117	Structural, electronic, elastic, thermoelectric and thermodynamic properties of the NbMSb half heusler (M=Fe, Ru, Os) compounds with first principle calculations. Superlattices and Microstructures, 2016, 93, 171-185.	1.4	31
118	First-principles Investigation of Half-metallicity and Ferrimagnet Properties of Co2ScZ (Z = As, Sb, and) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	8
119	Electronic, optical and thermoelectric properties of XNMg3 (X=P, As, Sb, Bi) compounds. Materials Science in Semiconductor Processing, 2016, 43, 69-74.	1.9	13
120	Structural, Magnetic, and Optoelectronic Properties of TbNi5, TbNi3Ti2 and TbNi3V2 Compounds. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1255-1266.	0.8	1
121	Half-metallicity and optoelectronic properties of V-doped zincblende ZnS and CdS alloys. International Journal of Modern Physics B, 2016, 30, 1650034.	1.0	15
122	Electronic, bonding, linear and non-linear optical properties of novel Li2Ga2GeS6 compound. Journal of Alloys and Compounds, 2016, 674, 109-115.	2.8	9
123	The study of electronic, elastic, magnetic and optical response of Zn 1-x Ti x Y (Y = S, Se) through mBJ potential. Current Applied Physics, 2016, 16, 549-561.	1.1	27
124	First principles study of structural, optoelectronic and thermoelectric properties of Cu2CdSnX4 (X =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.7	22
125	First principle study of vanadium doped ZnS: Structural, electronic, elastic, magnetic and optical properties using mBJ approximation. Current Applied Physics, 2016, 16, 361-370.	1.1	36
126	Elastic and electro-optical properties of XYZ (XÂ=ÂLi, Na and K; YÂ=ÂMg; ZÂ=ÂN, P, As, Sb and Bi) compounds. Indian Journal of Physics, 2016, 90, 639-647.	0.9	22

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127	Elastic, Electronic, Optical and Thermal Properties of Na2Po: An Ab Initio Study. Journal of Electronic Materials, 2016, 45, 435-443.	1.0	1
128	Ab Initio Study of the Structural, Electronic, and Thermal Properties of $$hbox {BaS}_{{1-{{x}}}}hbox {Te}_{{x}}$$ BaS 1 - x Te x Alloy. International Journal of Thermophysics, 2015, 36, 1640-1653.	1.0	4
129	Half-metallic ferromagnetism in Be1âˆ'x V x Te alloys: an Ab-initio study. Indian Journal of Physics, 2015, 89, 1251-1263.	0.9	24
130	Structural, mechanical and electronic properties of sodium based fluoroperovskites NaXF3 (X=Mg,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	79
131	Aerosol assisted chemical vapor deposition of Sb2S3 thin films: Environmentally benign solar energy material. Materials Science in Semiconductor Processing, 2015, 40, 643-649.	1.9	24
132	GGA+U study on phase transition, optoelectronic and magnetic properties of AmO2 with spinâ€“orbit coupling. Journal of Magnetism and Magnetic Materials, 2015, 396, 190-197.	1.0	4
133	Structural, Chemical Bonding, Electronic and Magnetic Properties of XY3(X = Al, Ga and Y = V, Nb, Cr,) Tj ETQq1 1 0.784314 rgBT /Ov	0.2	4
134	First principles study of Mg2X (X=Si, Ge, Sn, Pb): Elastic, optoelectronic and thermoelectric properties. Materials Science in Semiconductor Processing, 2015, 40, 429-435.	1.9	32
135	Structural, Elastic, Electronic Optical and Thermodynamic Properties of $$hbox {ZnAl}_{2}hbox {S}_{4}$$ ZnAl 2 S 4. International Journal of Thermophysics, 2015, 36, 2940-2952.	1.0	4
136	Structural, elastic, electronic, bonding, and optical properties of BeAZ2 (AÂ=ÂSi, Ge, Sn; ZÂ=ÂP, As) chalcopyrites. Journal of Alloys and Compounds, 2015, 646, 211-222.	2.8	35
137	Detailed DFT studies of the electronic structure and optical properties of KBaMSe3 (M = As, Sb). Journal of Alloys and Compounds, 2015, 644, 91-96.	2.8	13
138	First principles study of Cu based Delafossite Transparent Conducting Oxides CuXO2 (X=Al, Ga, In, B,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	28
139	Mechanical, electronic and magnetic properties of Sm-based perovskite-type oxides SmMO3 (MÂ=ÂV, Fe) Tj ETQq1 1 0.784314 rgBT /O	0.9	12
140	Structural, mechanical, electronic and magnetic properties of a new series of quaternary Heusler alloys CoFeMnZ (Z=Si, As, Sb): A first-principle study. Journal of Magnetism and Magnetic Materials, 2015, 393, 165-174.	1.0	109
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