G Kalpana

List of Publications by Year in descending order

58 papers	939 citations	567281 15 h-index	454955 30 g-index
59 all docs	59 docs citations	59 times ranked	712 citing authors

#	Article	IF	Citations
1	DFT studies on electronic, magnetic and thermoelectric properties of half Heusler alloys XCaB (XÂ=ÂLi,) Tj ETQq1 1 0.784314 rgBT /O	1.5	9
2	A Facile Synthesis of PbS-G QDs Nanocomposite as Electrode Material with Enhanced Energy Density for High Performance Supercapattery Application. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2135-2145.	3.7	0
3	Investigation of novel quaternary Heusler alloys XRuCrZ (X = Co, Ni, Rh, and Pd; Z = Si and Ge) via first-principles calculation for spintronics and thermoelectric applications. AIP Advances, 2022, 12, .	1.3	5
4	Prediction of structural, electronic and magnetic properties of full Heusler alloys Ir2YSi (Y = Sc, Ti, V,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	12
5	Investigation of graphene based NiS nanocomposite by solvothermal method for energy storage application. Materials Letters: X, 2021, 12, 100112.	0.7	3
6	Influence of $$ext {RGO/TiO}_{2}$$ RGO/TiO 2 nanocomposite on photo-degrading Rhodamine B and Rose Bengal dye pollutants. Bulletin of Materials Science, 2018, 41, 1.	1.7	12
7	Reduced graphene oxide/strontium titanate heterostructured nanocomposite as sunlight driven photocatalyst for degradation of organic dye pollutants. Current Applied Physics, 2018, 18, 1026-1033.	2.4	36
8	First principle calculations on structural, electronic, and magnetic properties of CdMAs2 (M = Sc, Ti,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	2
9	Electronic structure and magnetic properties of chalcopyrite type ZnMX2 (Mâ€‰=â€‰Sc, V, Cr, Mn, Fe; Xâ€‰=â€‰P, As) compounds: An ab initio study. Physica Status Solidi (B): Basic Research, 2016, 253, 1576-1584.	1.5	9
10	Half-metallic ferromagnetism in chalcopyrite type compounds ZnMX2 (M=Sc, V, Mn, Fe; X = P, As). AIP Conference Proceedings, 2015, , .	0.4	0
11	Electronic and magnetic properties of CdI₂-type MX₂ (M = V, Nb; X = Al, Ga and) Tj ETQq1 1 0.784314 rgBT	0.6	1
12	Half-metallic ferromagnetism in full-Heusler compounds ACaX2 (A = K and Rb; X = N and O). , 2014, , .		5
13	Ab-initio investigation of half-metallic ferromagnetism in half-Heusler compounds XYZ (X=Li, Na, K and) Tj ETQq1 1 0.784314 rgBT /O	2.3	59
14	First-Principles Calculation of structural, electronic and magnetic properties of half-Heusler LiCaC and NaCaC compounds. Physica B: Condensed Matter, 2014, 448, 256-259.	2.7	24
15	Electronic structure and half-metallic ferromagnetism in (C, Si, Ge and Sn) doped alkaline-earth sulfides: A first principles approach. Journal of Alloys and Compounds, 2013, 573, 83-89.	5.5	8
16	First-principles study of structural, electronic and magnetic properties of AeX (Ae=Be, Mg, Sr, Ba; X=Si,) Tj ETQq0 0 0 rgBT /Overlock 10	2.3	9
17	Electronic properties and structural phase transition in A4 [M4O4] (A=Li, Na, K and Rb; M=Ag and Cu): A first principles study. Solid State Communications, 2013, 155, 62-68.	1.9	11
18	Electronic and magnetic properties of ASrB (A=Li, Na, K and Rb) compounds: First principles study. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Half metallic ferromagnetism in ACaB (A = Li, Na and K) compounds-DFT study. , 2013, , .		3
20	Electronic and Magnetic Properties of CaS_{0.875}M_{0.125}(M = C, Si, Ge and Sn) by First Principles Theory. Journal of Physics: Conference Series, 2012, 377, 012073.	0.4	1
21	Electronic structure and ground state properties of A4[Cu4O4] (A=Li, Na, K and Rb): A first principle study. , 2012, , .		0
22	Half-metallic ferromagnetism in MgS0.875X0.125 (X = C, Si, Ge and Sn): A first principle approach. , 2012, , .		0
23	Half-metallic ferromagnetism in alkaline earth selenides by first principles calculations. Computational Materials Science, 2012, 54, 219-226.	3.0	15
24	First principles study of half-metallic ferromagnetism in (N, P, As and Sb) doped alkaline-earth sulfides. Computational Materials Science, 2012, 65, 426-433.	3.0	5
25	Magnetism induced by nonmagnetic dopant in Li2O, Na2O, K2O and Rb2O: first-principles calculations. Journal of Materials Science, 2012, 47, 2316-2321.	3.7	2
26	Half-metallic ferromagnetism in (C, Si, Ge, Sn and Pb)-doped I2â€“VI compounds: An ab initio study. Journal of Physics and Chemistry of Solids, 2011, 72, 227-232.	4.0	7
27	Half-metallic ferromagnetism in I2â€“VI compounds with non-magnetic dopants. Solid State Communications, 2011, 151, 1169-1174.	1.9	5
28	Magnetism induced by sp dopant in Ionic Insulator (Li[sub 2]O): A DFT Study. , 2011, , .		0
29	Half-Metallic Ferromagnetism In Calcium Chalcogenides In The Presence Of Nonmagnetic Impurities (B,) Tj ETQq1 1 0.784314 rgBT /Ov	0.4	1
30	2p Elements Induced Half-Metallic Ferromagnetism in Alkaline Earth Chalcogenides. , 2011, , .		0
31	Theoretical study of electronic, magnetic and structural properties of Mo and W based group V (N, P,) Tj ETQq1 1 0.784314 rgBT /Ov	3.0	26
32	FIRST-PRINCIPLES STUDY OF ELECTRONIC STRUCTURE AND GROUND-STATE PROPERTIES OF ALKALI-METAL SELENIDES AND TELLURIDES (M₂A)[M: Li, Na, K; A: Se, Te]. International Journal of Modern Physics B, 2009, 23, 5027-5037.	2.0	24
33	Electronic and structural properties of NaZnX (X = P, As, Sb): anab initiostudy. Journal of Physics Condensed Matter, 2008, 20, 085220.	1.8	23
34	Electronic structure and ground-state properties of alkali-metal oxidesâ€“Li2O, Na2O, K2O and Rb2O: A first-principles study. Physica B: Condensed Matter, 2007, 396, 124-131.	2.7	29
35	First-principles study of electronic structure and ground-state properties of alkali-metal sulfides â€“ Li2S, Na2S, K2S and Rb2S. Physica Status Solidi (B): Basic Research, 2007, 244, 1337-1346.	1.5	59
36	Ab initio electronic band structure calculations of halfâ€metallic c alcium pnictides. Physica Status Solidi (B): Basic Research, 2007, 244, 4643-4650.	1.5	3

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37	Pressure induced structural phase transition in SnS â€" An ab initio study. Bulletin of Materials Science, 2006, 29, 25-28.	1.7	10
38	Structural and Electronic Properties of SrS, SrSe, and SrTe Under Pressure. Journal of Low Temperature Physics, 1998, 112, 211-226.	1.4	57
39	Ab Initio Electronic Band Structure Calculations for Calcium Monochalcogenides. International Journal of Modern Physics B, 1998, 12, 1709-1717.	2.0	39
40	Ab initio Electronic Band Structure Calculations for Beryllium Chalcogenides. International Journal of Modern Physics B, 1998, 12, 1975-1984.	2.0	55
41	Structural and electronic properties of alkaline-earth fluorohalides under pressure. Physical Review B, 1997, 56, 3532-3535.	3.2	45
42	A structural study on MFCl (M=Ca, Sr, Ba) and BaFX (X=Br, I). Bulletin of Materials Science, 1997, 20, 461-465.	1.7	3
43	Structural phase stability of ThSb and ThAs under pressure. Bulletin of Materials Science, 1997, 20, 597-600.	1.7	5
44	Pressure induced magnetic phase transition in Fe3Pt. Journal of Alloys and Compounds, 1996, 240, 124-127.	5.5	7
45	Electronic and structural properties of MgS and MgSe. Physica B: Condensed Matter, 1996, 222, 223-228.	2.7	76
46	Electronic and structural properties of alkaline-earth oxides under high pressure. Physical Review B, 1995, 52, 4-7.	3.2	81
47	Band structure and superconductivity of bcc tellurium under pressure. AIP Conference Proceedings, 1994, , .	0.4	0
48	Superconductivity of WC in the NaCl-Type Structure under Pressure. Japanese Journal of Applied Physics, 1994, 33, 1847-1850.	1.5	11
49	Electronic structure and physical properties of bcc selenium under high pressure. High Pressure Research, 1994, 12, 111-118.	1.2	0
50	Structural Phase Stability in BaSe. Physica Status Solidi (B): Basic Research, 1994, 184, 153-157.	1.5	5
51	Electronic structure and structural phase stability in BaS, BaSe, and BaTe. Physical Review B, 1994, 50, 12318-12325.	3.2	106
52	Structural Phase Stability of ThSb Under Pressure. Materials Research Society Symposia Proceedings, 1994, 364, 1095.	0.1	1
53	Band structure and superconductivity of BCC tellurium under pressure. Physica B: Condensed Matter, 1993, 191, 287-292.	2.7	9
54	Electronic Structure and Superconductivity of NbN under High Pressure. Physica Status Solidi (B): Basic Research, 1993, 176, 195-202.	1.5	13

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55	Physical Properties of Thorium under Pressure. Physica Status Solidi (B): Basic Research, 1993, 178, 185-197.	1.5	5
56	Band structure and superconductivity of ZrN under high pressure. Journal of Alloys and Compounds, 1993, 202, 51-56.	5.5	2
57	Half-Metallic Ferromagnetism in MgS by Doping with <i>Sp</i>-Element: A First-Principles Calculations. Advanced Materials Research, 0, 665, 22-28.	0.3	1
58	Electronic Structure and Ground State Properties of A₄[Ag₄O₄] (A=Na, K and Rb): A First-Principles Study. Advanced Materials Research, 0, 665, 43-48.	0.3	0