Saadi Berri

List of Publications by Year
in descending order

46 papers	931 citations	471061 17 h-index	476904 29 g-index
46 all docs	46 docs citations	46 times ranked	391 citing authors

#	Article	IF	Citations
1	Robust half-metallic ferromagnet of quaternary Heusler compounds ZrCoTiZ(ZÂ=ÂSi, Ge, Ga and Al). Computational Condensed Matter, 2014, 1, 26-31.	0.9	77
2	First principles study of structural, electronic and magnetic properties of ZrFeTiAl, ZrFeTiSi, ZrFeTiGe and ZrNiTiAl. Journal of Magnetism and Magnetic Materials, 2014, 371, 106-111.	1.0	77
3	First-principles study on half-metallic properties of the Sr 2 GdReO 6 double perovskite. Journal of Magnetism and Magnetic Materials, 2015, 385, 124-128.	1.0	75
4	A first-principle study of half-metallic ferrimagnetism in the CoFeTiSb quaternary Heusler compound. Journal of Magnetism and Magnetic Materials, 2014, 354, 65-69.	1.0	62
5	First-principles Study on Half-metallic Properties of the CoMnCrSb Quaternary Heusler Compound. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1309-1315.	0.8	57
6	Electronic structure and half-metallicity of the new Heusler alloys PtZrTiAl, PdZrTiAl and Pt 0.5 Pd 0.5 ZrTiAl. Chinese Journal of Physics, 2017, 55, 195-202.	2.0	40
7	Half-metallic and thermoelectric properties of Sr2EuReO6. Computational Condensed Matter, 2021, 28, e00586.	0.9	40
8	The electronic structure and spin polarization of Co 2 Mn 0.75 (Gd, Eu) 0.25 Z (Z =Si, Ge, Ga, Al) quaternary Heusler alloys. Journal of Magnetism and Magnetic Materials, 2016, 401, 667-672.	1.0	33
9	Theoretical study of physical properties of Ba3B(Nb,Ta)2O9 (B = Mg, Ca, Sr, Cd, Hg, Zn, Fe, Mn, Ni, Co) perovskites. Computational Condensed Matter, 2021, 29, e00595.	0.9	31
10	Electronic structure and magnetic properties of the perovskite cerium manganese oxide from ab initio calculations. Materials Science in Semiconductor Processing, 2014, 26, 199-204.	1.9	28
11	Theoretical investigation of the structural, electronic and thermodynamic properties of cubic and orthorhombic XZrS3 (Xâ€‰=â€‰Ba,Sr,Ca) compounds. Journal of Computational Electronics, 2019, 18, 415-427.	1.3	22
12	Computational Study of Structural, Electronic, Elastic, Half-Metallic and Thermoelectric Properties of CoCrScZ (Z=Al, Si, Ge, and Ga) Quaternary Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3809-3818.	0.8	22
13	Ab initio study of fundamental properties of X AlO 3 (X Â=ÂCs, Rb and K) compounds. Journal of Science: Advanced Materials and Devices, 2018, 3, 254-261.	1.5	21
14	Theoretical analysis of the structural, electronic, optical and thermodynamic properties of trigonal and hexagonal Cs3Sb2I9 compound. European Physical Journal B, 2020, 93, 1.	0.6	21
15	Ab initio study of electronic structure and magnetic properties in ferromagnetic Sr1â^'x(Mn, Cr)xO alloys. Materials Science in Semiconductor Processing, 2015, 38, 101-106.	1.9	19
16	Theoretical analysis of the structural, electronic and optical properties of tetragonal Sr2GaSbO6. Chinese Journal of Physics, 2017, 55, 2476-2483.	2.0	19
17	First principles study of structural, electronic and optical properties of AgSbS2. Materials Science in Semiconductor Processing, 2013, 16, 1439-1446.	1.9	18
18	Study of structural, electronic and magnetic properties of Rh2MnX (X=Al, Ge and Sn) Heusler alloys using GGA-WC and GGA+U approaches. Physica B: Condensed Matter, 2013, 418, 58-64.	1.3	18

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19	Search for New Half-Metallic Ferromagnets in Quaternary Diamond-Like Compounds Iâ€“II2â€“IIIâ€“VI4 and I2â€“IIâ€“IVâ€“VI4 (I = Cu; II = Mn, Fe, Co; III = In; IV = Ge, Sn; VI = S, Se, Te). Journal of Superconductivity and Novel Magnetism, 2018, 31, 1941-1947.	0.8	18
20	First-Principles Predictions on Half-Metallic Results of RBaMn2O6-Î´ (R = Nd, Pr, La and Î´ = 0, 1) Double Perovskite Compounds. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1737-1746.	0.8	18
21	Ab-initio calculations on structural, electronic, half-metallic and optical properties of Co-, Fe-, Mn- and Cr-doped $$hbox {Ba}_{{mathbf {2}}}hbox {LuTaO}_{{mathbf {6}}}$$. Pramana - Journal of Physics, 2021, 95, 1.	0.9	18
22	First-principles investigation of the physical properties of XSb2O6 (XÂ= Ca, Sr, Ba) and YAs2O6 (YÂ= Mn,) Tj ETQq0 0 0 rgBT /Overlock 1	0.9	16
23	First-Principles Calculations to Investigate the Structural, Electronic, and Half-Metallic Properties of Ti2RhSn1-xSix, Ti2RhSn1-xGex, and Ti2RhGe1-xSix (xâ€‰=â€‰0, 0.25, 0.5, 0.75, and 1) Quaternary Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2219-2228.	0.8	15
24	First principles study of structural, electronic and magnetic properties of Mn2CoAs. Journal of Magnetism and Magnetic Materials, 2014, 361, 132-136.	1.0	14
25	First principle analysis of structural, electronic, optical, and thermoelectric characteristics of Ba3CaTa2O9 complex perovskite. Emergent Materials, 2022, 5, 1849-1857.	3.2	14
26	Ab initio study of the structural, electronic and elastic properties of AgSbTe2, AgSbSe2, Pr3AlC, Ce3AlC, Ce3AlN, La3AlC and La3AlN compounds. Physica B: Condensed Matter, 2012, 407, 3320-3327.	1.3	13
27	First-principle calculations to investigate structural, electronic, optical, thermodynamic, and thermoelectric properties of ABO3 (A=Cs, Rb and B= Ta, Nb) compounds. Emergent Materials, 2022, 5, 1831-1847.	3.2	12
28	Electronic structure and magnetic properties of Co2TaAl from ab initio calculations. Journal of Science: Advanced Materials and Devices, 2016, 1, 286-289.	1.5	11
29	Half-Metallic Ferromagnetism in Li6VCl8, Li6MnCl8, Li6CoCl8 and Li6FeCl8 from First Principles. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2381-2386.	0.8	10
30	Ab initio prediction of structural, electronic, magnetic and optical properties of Ba2GdSbO6. Materials Science in Semiconductor Processing, 2015, 40, 58-63.	1.9	9
31	Ab initio study of the structural, electronic, elastic and magnetic properties of Cu2GdIn, Ag2GdIn and Au2GdIn. Physica B: Condensed Matter, 2012, 407, 3328-3334.	1.3	8
32	First-principles investigation for some physical properties of some fluoroperovskites compounds ABF3 (AÂ=ÂK, Na; BÂ=ÂMg, Zn). Indian Journal of Physics, 2017, 91, 1513-1523.	0.9	8
33	Probable thermoelectric materials for promising candidate of optoelectronics for Baâ€based complex perovskite compounds. International Journal of Energy Research, 2022, 46, 9968-9984.	2.2	8
34	Electronic Structure and Thermoelectric Properties of Coâ€, Feâ€, Mnâ€, and Crâ€Doped Ba₂LuTaO₆ from Spinâ€Polarized Calculations. Physica Status Solidi (B): Basic Research, 2021, 258, 2000402.	0.7	7
35	Band parameters and thermoelectric properties of chalcopyrite ternary compounds CdXP2 (X = Si, Ge) Tj ETQq1 1 0.784314 rgBT /Ov	0.9	7
36	First-principles investigation of structural, electronic, optical and thermodynamic properties of KAg2SbS4. Computational Condensed Matter, 2019, 19, e00365.	0.9	6

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37	First-principles studies of thermoelectric and thermodynamic properties of the complex perovskite Ba3MnNb2O9. Journal of Science: Advanced Materials and Devices, 2020, 5, 378-384.	1.5	6
38	Density functional studies of magneto-optic properties of Sr2GdReO6. Modern Electronic Materials, 2018, 4, 13-19.	0.2	6
39	First-principles calculations to investigate structural, electronic, half-metallic and thermodynamic properties of hexagonal UX2O6 (X=Cr,V) compounds. Journal of Science: Advanced Materials and Devices, 2019, 4, 319-326.	1.5	5
40	Influence of Cuâ€Doping on Linear and Nonlinear Optical Properties of Highâ€Quality ZnO Thin Films Obtained by Spinâ€Coating Technique. Physica Status Solidi (B): Basic Research, 2021, 258, 2000472.	0.7	5
41	The magnetic and thermoelectric properties of Co- and Mn-doped CsPbI3. Emergent Materials, 2022, 5, 1859-1869.	3.2	5
42	Electronic Structure and Magnetism of Ti2(Pd, Pt) (B, Al, Ga, In): A First-Principle Study. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2189-2194.	0.8	4
43	Ab initio study of electronic structure and magnetic properties of CoMnTaZ (Zâ€‰=â€‰Si, Ge) quaternary Heusler compounds. Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, 1700127.	0.8	3
44	Magnetic and electronic properties of Li-, Be-, B- and F- doped C 3 N 4 : Ab initio calculations. Computational Condensed Matter, 2017, 12, 25-31.	0.9	2
45	Computational study of structural, electronic, half-metallic and thermodynamic properties of Sr3X2O7 (Xâ€‰=â€‰Fe, Mn) compounds. Indian Journal of Physics, 2021, 95, 2293-2301.	0.9	2
46	Study on quaternary diamond-like Li2CaGeO4 properties for optoelectronic applications. Computational Condensed Matter, 2022, 30, e00646.	0.9	1