fethallah Dahmane

List of Publications by Year
in descending order

43	702	516710 16	580821 25
papers	citations	h-index	g-index

43	43	43	344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First-principle calculations of structural, electronic and magnetic investigations of Mn2RuGe1-xSnx quaternary Heusler alloys. Chinese Journal of Physics, 2018, 56, 567-573.	3.9	72
2	Structural, electronic and magnetic properties of Fe2-based full Heusler alloys: A first principle study. Journal of Magnetism and Magnetic Materials, 2016, 407, 167-174.	2.3	67
3	First-Principles Investigation of Half-metallic Ferromagnetism in V-doped BeS, BeSe, and BeTe. Journal of Superconductivity and Novel Magnetism, 2014, 27, 293-300.	1.8	42
4	Investigations of Structural, Electronic, and Half-metallic Ferromagnetic Properties in (Al, Ga, In)1âˆ'x M x N (M = Fe, Mn) Diluted Magnetic Semiconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 515-525.	1.8	41
5	First-principle investigation of half-metallic ferromagnetism in octahedrally bonded Cr-doped rock-salt SrS, SrSe, and SrTe. European Physical Journal B, 2015, 88, 1.	1.5	41
6	Investigations of the Structural, Electronic, Magnetic, and Half-Metallic Behavior of Co2MnZ (Z = Al,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 809-817.	1.8	41
7	A novel theoretical design of electronic structure and half-metallic ferromagnetism in the 3d (V)-doped rock-salts SrS, SrSe, and SrTe for spintronics. RSC Advances, 2015, 5, 92328-92334.	3.6	32
8	Structural, electronic and magnetic properties of new full Heusler alloys Rh2CrZ (Zâ€¯=â€¯Al, Ga, In): First-principles calculations. Chinese Journal of Physics, 2019, 59, 281-290.	3.9	26
9	Electronic and Ferromagnetic Properties of 3d(V)-Doped (BaS) Barium Sulfide. Journal of Superconductivity and Novel Magnetism, 2017, 30, 917-923.	1.8	25
10	First-principles investigations on ferromagnetic behaviour of Be1âˆ'xVxZ (ZÂ=ÂS, Se and Te) (xÂ=Â0.25). Superlattices and Microstructures, 2015, 88, 139-149.	3.1	24
11	First-Principles Study of Structural, Electronic, Magnetic and Half-Metallic Properties of the Heusler Alloys Ti2ZAl (Z = Co, Fe, Mn). Journal of Superconductivity and Novel Magnetism, 2015, 28, 3099-3104.	1.8	22
12	Theoretical investigation of the structural, magnetic and band structure characteristics of Co2FeGe1âˆ'x Si x (x = 0, 0.5, 1) full-Heusler alloys. Journal of the Korean Physical Society, 2016, 69, 1462-1468.	0.7	22
13	First principles study of the electronic structures and magnetic properties of transition metal-doped cubic indium nitride. Materials Science in Semiconductor Processing, 2014, 21, 66-73.	4.0	21
14	First-Principle Investigations of Structural, Electronic, and Half-Metallic Ferromagnetic Properties in In1âˆ'xTM x P (TM = Cr, Mn). Journal of Superconductivity and Novel Magnetism, 2014, 27, 1603-1614.	1.8	20
15	Electronic structure, magnetism and stability of Co2CrX (X =Al, Ga, In) ab initio study. Modern Physics Letters B, 2016, 30, 1550265.	1.9	20
16	Half-Metallic Ferromagnetic Property Related to Spintronic Applications in 3d (V, Cr, and Mn)-Doped GaP DMSs. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3163-3172.	1.8	18
17	Phase stability, mechanical, electronic and thermodynamic properties of the Ga3Sc compound: An ab-initio study. Inorganic Chemistry Communication, 2020, 122, 108304.	3.9	17
18	A comparative study between Hg2CuTi and Cu2MnAl type structures for Zr2CoZ (ZÂ=ÂAl, Ga, In) Heusler alloys. Chinese Journal of Physics, 2019, 60, 450-461.	3.9	16

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19	Structural, Electronic and Magnetic Properties of Zinc-Blende Ga1âˆ'x TM x N (TM = Cr, Mn, Fe, V). Journal of Superconductivity and Novel Magnetism, 2013, 26, 3339-3348.	1.8	15
20	Theoretical study of the structural stability, electronic and magnetic properties of XVSb (X = Fe, Ni,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	15
21	First-Principle Calculations of Structural, Electronic, and Magnetic Properties of Cubic Al1âˆ'x TM x N (TM = V, Cr, Mn, Fe). Journal of Superconductivity and Novel Magnetism, 2014, 27, 2647-2654.	1.8	11
22	First-principle calculations of electronic and ferromagnetic properties of $$hbox {Al}_{1-x}hbox {V}_{x}hbox {Sb}$$ Al 1 - x V x Sb. Journal of Computational Electronics, 2016, 15, 1255-1262.	2.5	11
23	Structural, elastic and optoelectronic properties of Sr-based perovskite-type oxides SrXO3 (Mâ€¯=â€¯Th, Zr) via first-principles calculations. Chinese Journal of Physics, 2018, 56, 1515-1524.	3.9	10
24	A Novel Theoretical Investigation of Electronic Structure and Half-Metallic Ferromagnetism in 3d (V)-Doped InP for Spintronic Applications. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1813-1819.	1.8	8
25	Ab Initio Investigation of Structural Stability and Electronic and Magnetic Properties of the Half-Heusler Alloys: MTiSb (M = Fe, Co, and Ni). Journal of Superconductivity and Novel Magnetism, 2018, 31, 2991-2998.	1.8	8
26	First-principles study of half-metallic properties in XVSi (XÂ= Ti, Co) and their quaternary TiCoVSi and CoTiVSi compounds. Computational Condensed Matter, 2019, 19, e00369.	2.1	8
27	Ab Initio Investigation of Half-Metallic Behaviour in the Full-Heusler X2MnGe (X = Sc, Fe, Ni). Journal of Superconductivity and Novel Magnetism, 2015, 28, 2063-2069.	1.8	6
28	Structural stability, mechanical, electronic and thermal behaviour of Ru2CrZ (Z=Sb, Si, Pb, Ge) Heusler alloys. Chinese Journal of Physics, 2020, 66, 124-134.	3.9	6
29	Structural, electronic, magnetic and mechanical properties of the full-Heusler compounds Ni₂Mn(Ge,Sn) and Mn₂NiGe. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 693-702.	1.5	5
30	Insight into the Structural, Magneto-electronic, and Mechanical Characteristic of Y2MnZ (Zâ€‰=â€‰Al, Ga,) Tj ETQq0 0 0 rgBT /Overlo	1.8	5
31	Theoretical Characterization of Thermodynamic, Magnetic and Electronic Proprieties of Full-Heusler Co₂YGa (Y = V, Cr and Mn) Alloys. Spin, 2020, 10, .	1.3	4
32	Insight view of Hf2CrZ (ZÂ= B, Ga, In, Si, Ge, Sn) Heusler materials via DFT calculations: A study on structural, electronic and magnetic properties. Computational Condensed Matter, 2021, 26, e00518.	2.1	4
33	Band Structure Simulations of the Structural, Electronic, Magnetic, and Half-Metallic Features of the Ti 2 CoAl1âˆ'x Sn x (x = 0, 0.25, 0.50, 0.75, 1) Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3193-3199.	1.8	3
34	Elastic and electronic properties calculations of the filled skutterudite CeOs₄P₁₂. Journal of Physics: Conference Series, 2016, 758, 012010.	0.4	3
35	First-principle study of the electronic, magnetic and structural characteristics of the Mn2CoAs1âˆ'xAlx (xâ€¯=â€¯0,0.25,0.50,0.75) Heusler alloys. Chinese Journal of Physics, 2018, 56, 1764-1771.	3.9	3
36	First-principles study of half-metallic properties in X2CrAl (XÂ=ÂCo and Mn) FullHeusler and their quaternary MnCoCrAl and CoMnCrAl compounds. Inorganic Chemistry Communication, 2022, 139, 109408.	3.9	3

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37	Ab initio study of structural and electronic properties of (GaN)n/(AlN)n superlattices. Journal of Physics: Conference Series, 2016, 758, 012025.	0.4	2
38	First-principles investigation of half-metallic ferromagnetism of Fe2YSn (Y = Mn, Ti and V) Heusler alloys. Condensed Matter Physics, 2021, 24, 23703.	0.7	2
39	The effect of Sn substitution on the Al sites in full Heusler compound Fe2VAl. Indian Journal of Physics, 2018, 92, 1403-1411.	1.8	1
40	Theoretical study of phase stability, electronic and magnetic properties of Rh2CrGe1-xAlx (x = 0, 0.25,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	1
41	Structural properties, electronic band structure, magnetic and mechanical characteristic of XFeGe (XÂ=ÂCo, Cr, Ni) half Heusler compounds: Insights from DFT calculation. Inorganic Chemistry Communication, 2022, 142, 109675.	3.9	1
42	Prediction of electronic and half metallic properties of Mn2YSn (Y = Mo, Nb, Zr) Heusler alloys. Condensed Matter Physics, 2021, 24, 13703.	0.7	0
43	Ab initio study of structural, electronic and magnetic properties of XSn3 (X = Gd, Cm) and GdxCm1-xSn3 compounds. Condensed Matter Physics, 2020, 23, 33705.	0.7	0