

fethallah Dahmane

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Insight into the Structural, Magneto-electronic, and Mechanical Characteristic of Y_2MnZ ($Z = Al, Ga$) Heusler compounds. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109408.	1.8	5
2	Structural properties, electronic band structure, magnetic and mechanical characteristic of $XFeGe$ ($X = Co, Cr, Ni$) half Heusler compounds: Insights from DFT calculation. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109675.	3.9	1
3	Insight view of Hf_2CrZ ($Z = B, Ga, In, Si, Ge, Sn$) Heusler materials via DFT calculations: A study on structural, electronic and magnetic properties. <i>Computational Condensed Matter</i> , 2021, 26, e00518.	2.1	4
4	First-principles investigation of half-metallic ferromagnetism of Fe_2YSn ($Y = Mn, Ti$ and V) Heusler alloys. <i>Condensed Matter Physics</i> , 2021, 24, 23703.	0.7	2
5	Prediction of electronic and half metallic properties of Mn_2YSn ($Y = Mo, Nb, Zr$) Heusler alloys. <i>Condensed Matter Physics</i> , 2021, 24, 13703.	0.7	0
6	Structural, electronic, magnetic and mechanical properties of the full-Heusler compounds $Ni_2Mn(Ge, Sn)$ and Mn_2NiGe . <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2021, 76, 693-702.	1.5	5
7	Theoretical Characterization of Thermodynamic, Magnetic and Electronic Properties of Full-Heusler Co_2YGa ($Y = V, Cr$ and Mn) Alloys. <i>Spin</i> , 2020, 10, .	1.3	4
8	Phase stability, mechanical, electronic and thermodynamic properties of the Ga_3Sc compound: An ab-initio study. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108304.	3.9	17
9	Structural stability, mechanical, electronic and thermal behaviour of Ru_2CrZ ($Z = Sb, Si, Pb, Ge$) Heusler alloys. <i>Chinese Journal of Physics</i> , 2020, 66, 124-134.	3.9	6
10	Ab initio study of structural, electronic and magnetic properties of XSn_3 ($X = Gd, Cm$) and $Gd_{1-x}Sn_3$ compounds. <i>Condensed Matter Physics</i> , 2020, 23, 33705.	0.7	0
11	Theoretical study of phase stability, electronic and magnetic properties of $Rh_2CrGe_{1-x}Al_x$ ($x = 0, 0.25$). <i>Inorganic Chemistry Communication</i> , 2020, 122, 108304.	0.7	1
12	First-principles study of half-metallic properties in $XVSi$ ($X = Ti, Co$) and their quaternary $TiCoVSi$ and $CoTiVSi$ compounds. <i>Computational Condensed Matter</i> , 2019, 19, e00369.	2.1	8
13	A comparative study between Hg_2CuTi and Cu_2MnAl type structures for Zr_2CoZ ($Z = Al, Ga, In$) Heusler alloys. <i>Chinese Journal of Physics</i> , 2019, 60, 450-461.	3.9	16
14	Structural, electronic and magnetic properties of new full Heusler alloys Rh_2CrZ ($Z = Al, Ga, In$): First-principles calculations. <i>Chinese Journal of Physics</i> , 2019, 59, 281-290.	3.9	26
15	First-principle calculations of structural, electronic and magnetic investigations of $Mn_2RuGe_{1-x}Sn_x$ quaternary Heusler alloys. <i>Chinese Journal of Physics</i> , 2018, 56, 567-573.	3.9	72
16	Ab Initio Investigation of Structural Stability and Electronic and Magnetic Properties of the Half-Heusler Alloys: $MTiSb$ ($M = Fe, Co$, and Ni). <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 2991-2998.	1.8	8
17	The effect of Sn substitution on the Al sites in full Heusler compound Fe_2VAl . <i>Indian Journal of Physics</i> , 2018, 92, 1403-1411.	1.8	1

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19	First-principle study of the electronic, magnetic and structural characteristics of the $Mn_2CoAs_{1-x}Al_x$ ($x = 0, 0.25, 0.50, 0.75$) Heusler alloys. Chinese Journal of Physics, 2018, 56, 1764-1771.	3.9	3
20	Structural, elastic and optoelectronic properties of Sr-based perovskite-type oxides $SrXO_3$ ($X = Th, Zr$) via first-principles calculations. Chinese Journal of Physics, 2018, 56, 1515-1524.	3.9	10
21	Theoretical study of the structural stability, electronic and magnetic properties of $XVSb$ ($X = Fe, Ni$). Tj ETQq1 1 0.784314 rgBT /Overl 0.7 15	0.7	15
22	Electronic and Ferromagnetic Properties of 3d(V)-Doped (BaS) Barium Sulfide. Journal of Superconductivity and Novel Magnetism, 2017, 30, 917-923.	1.8	25
23	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
24	First-principle calculations of electronic and ferromagnetic properties of $Al_{1-x}V_xSb$. Journal of Computational Electronics, 2016, 15, 1255-1262.	2.5	11
25	Band Structure Simulations of the Structural, Electronic, Magnetic, and Half-Metallic Features of the $Ti_2CoAl_{1-x}Sn_x$ ($x = 0, 0.25, 0.50, 0.75, 1$) Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3193-3199.	1.8	3
26	Theoretical investigation of the structural, magnetic and band structure characteristics of $Co_2FeGe_{1-x}Si_x$ ($x = 0, 0.5, 1$) full-Heusler alloys. Journal of the Korean Physical Society, 2016, 69, 1462-1468.	0.7	22
27	Elastic and electronic properties calculations of the filled skutterudite $CeOs_4P_{12}$. Journal of Physics: Conference Series, 2016, 758, 012010.	0.4	3
28	Structural, electronic and magnetic properties of Fe ₂ -based full Heusler alloys: A first principle study. Journal of Magnetism and Magnetic Materials, 2016, 407, 167-174.	2.3	67
29	Investigations of the Structural, Electronic, Magnetic, and Half-Metallic Behavior of Co_2MnZ ($Z = Al$). Tj ETQq1 1 0.784314 rgBT /Overl 809-817. 1.8 41	1.8	41
30	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
31	Electronic structure, magnetism and stability of Co_2CrX ($X = Al, Ga, In$) ab initio study. Modern Physics Letters B, 2016, 30, 1550265.	1.9	20
32	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
33	First-Principles Study of Structural, Electronic, Magnetic and Half-Metallic Properties of the Heusler Alloys Ti_2ZAl ($Z = Co, Fe, Mn$). Journal of Superconductivity and Novel Magnetism, 2015, 28, 3099-3104.	1.8	22
34	Ab Initio Investigation of Half-Metallic Behaviour in the Full-Heusler X_2MnGe ($X = Sc, Fe, Ni$). Journal of Superconductivity and Novel Magnetism, 2015, 28, 2063-2069.	1.8	6
35	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
36	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

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37	First-principles investigations on ferromagnetic behaviour of $\text{Be}_{1-x}\text{V}_x\text{Z}$ ($\text{Z}=\text{As, Se and Te}$) ($x=0.25$). Superlattices and Microstructures, 2015, 88, 139-149.	3.1	24
38	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
39	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
40	First-Principle Calculations of Structural, Electronic, and Magnetic Properties of Cubic $\text{Al}_{1-x}\text{TM}_x\text{N}$ ($\text{TM} = \text{V, Cr, Mn, Fe}$). Journal of Superconductivity and Novel Magnetism, 2014, 27, 2647-2654.	1.8	11
41	First-Principle Investigations of Structural, Electronic, and Half-Metallic Ferromagnetic Properties in $\text{In}_{1-x}\text{TM}_x\text{P}$ ($\text{TM} = \text{Cr, Mn}$). Journal of Superconductivity and Novel Magnetism, 2014, 27, 1603-1614.	1.8	20
42	Structural, Electronic and Magnetic Properties of Zinc-Blende $\text{Ga}_{1-x}\text{TM}_x\text{N}$ ($\text{TM} = \text{Cr, Mn, Fe, V}$). Journal of Superconductivity and Novel Magnetism, 2013, 26, 3339-3348.	1.8	15
43	Investigations of Structural, Electronic, and Half-metallic Ferromagnetic Properties in $(\text{Al, Ga, In})_{1-x}\text{M}_x\text{N}$ ($\text{M} = \text{Fe, Mn}$) Diluted Magnetic Semiconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 515-525.	1.8	41