

Joaquin Gabriel Miranda Mena

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|---|---|------|-----------|
| 1 | Mechanical and heat transport properties of $Ti_{1-x}Zr_xNiSn$ half-Heuslers: A molecular dynamic simulation study using ab initio-based interaction potentials. <i>Computational Materials Science</i> , 2022, 204, 111147. | 3.0 | 1 |
| 2 | Interplay Between Electronic States and Structural Stability in Cation-Deficient VCoSb, NbCoSb, and TaCoSb Half-Heuslers. <i>Journal of Electronic Materials</i> , 2022, 51, 2043-2053. | 2.2 | 5 |
| 3 | Search of stable structures in cation deficient (V,Nb)CoSb half-Heusler alloys by an atomic cluster expansion. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21111-21122. | 10.3 | 5 |
| 4 | Coexistence of multiple phases in the half-Heusler materials $Co(Ti,Zr)(Sn,Sb)$. <i>Physical Review B</i> , 2020, 101, . | 3.2 | 4 |
| 5 | Demixing and ordering in $Ni(Ti,Zr)(Sb,Sn)$ half-Heusler materials. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30695-30702. | 2.8 | 4 |
| 6 | Ab initio-based Monte Carlo and mean field studies of phase separated $\hat{1}\pm NiSn$ ($\hat{1}\hat{A}=Ti\hat{1}\hat{A}\hat{Hf}$, $Ti\hat{1}\hat{A}\hat{Zr}$, $Hf\hat{1}\hat{A}\hat{Zr}$) compounds with C1 structure. <i>Acta Materialia</i> , 2016, 111, 157-165. | 7.9 | 7 |
| 7 | Nanophase separation in CoSb-based half-Heusler thermoelectrics: A multiscale simulation study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 706-715. | 1.8 | 8 |
| 8 | Miscibility Gap in the Phase Diagrams of Thermoelectric Half-Heusler Materials $CoTi_{1-x}Y_xSb$ ($Y = Sc, V, Mn, Fe$). <i>Journal of Electronic Materials</i> , 2016, 45, 1382-1388. | 2.2 | 10 |
| 9 | Ab initio study of domain structures in half-metallic $CoTi_{1-x}Mn_xSb$ and thermoelectric $CoTi_{1-x}Sc_xSb$ half-Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2015, 650, 728-740. | 5.5 | 13 |