

Tufan Roy

List of Publications by Year in descending order

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22
papers

332
citations

933447

10
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic and magnetism in metastable bcc $\text{Co}_{1-x}\text{Mn}_x$ Heusler alloy. Physical Review Materials, 2019, 3, 014407.	2.3	6
2	Topological electronic structure of YbMg_2Bi_2 and CaMg_2Bi_2 . Npj Quantum Materials, 2022, 7, .	5.2	7
3	Ab initio study of electronic and magnetic properties of $\text{Mn}_2\text{RuZ/MgO}$ (001) heterojunctions (Z = Al, Tj ETQq1 1 0,784314 rgBT /Over	1.8	2
4	Structural and magnetic properties of Co_2MnAl equiatomic quaternary Heusler alloy epitaxial films designed using first-principles calculations. Journal of Alloys and Compounds, 2021, 868, 159175.	5.5	5
5	Ordered CoFeCrAl equiatomic Heusler alloy. Physical Review Materials, 2019, 3, 014407.	3.8	10
6	Ab-initio study of X-ray absorption and X-ray magnetic circular dichroism spectra of (001) Ferromagnetic Layers for a Strain-Free Magnetic Tunnel Junction. Physical Review Applied, 2021, 16, 014002.	1.6	1
6	Ab-initio study of electronic and magnetic properties of Co_2MnZ (Z = Al, Si, Ga, Ge) Heusler alloys. Journal of Magnetism and Magnetic Materials, 2020, 498, 166092.	2.3	8
7	Magnetic tunnel junctions with metastable bcc Co_3Mn electrodes. Applied Physics Express, 2020, 13, 083007.	2.4	18
8	Electronic structure of Au-Sn compounds grown on Au(111). Physical Review B, 2019, 100, .	3.2	25
9	Magnetic tunnel junctions with a ordered CoFeCrAl equiatomic Heusler alloy. Physical Review Materials, 2019, 3, 014407.	3.8	10
10	Ab-initio study of X-ray absorption and X-ray magnetic circular dichroism spectra of $\text{Mn}_{1-x}\text{Pt}_x$ and $\text{Co}_{1-x}\text{Pt}_x$ Heusler alloys. Journal of Magnetism and Magnetic Materials, 2018, 466, 143-149.	2.3	1
11	Ab initio study of effect of Co substitution on the magnetic properties of Ni and Pt-based Heusler alloys. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1449-1456.	2.1	8
12	Study of structural, magnetic and electronic properties of Ni-Fe-Ga based ferromagnetic shape memory alloys. AIP Conference Proceedings, 2017, , .	0.4	0
13	Magnetic interactions and electronic structure of $\text{Pt}_2\text{Mn}_{1-x}\text{Y}_x$ (Y = Cr and Fe) system: An ab-initio calculation. Pramana - Journal of Physics, 2017, 89, 1.	1.8	2
14	Ab initio studies on electronic and magnetic properties of X_2PtGa (X=Cr, Mn, Fe, Co) Heusler alloys. Journal of Magnetism and Magnetic Materials, 2017, 423, 395-404.	2.3	28
15	Probing the possibility of coexistence of martensite transition and half-metallicity in Ni and Co-based full-Heusler alloys: An ab initio calculation. Physical Review B, 2016, 93, .	3.2	40
16	Possibility of martensite transition in Pt_2YGa (Y=Cr, Mn, and Fe) system: An ab-initio calculation of the bulk mechanical, electronic and magnetic properties. Journal of Magnetism and Magnetic Materials, 2016, 401, 929-937.	2.3	30
17	Study of effect of copper-substitution at Ga site in some Ga-based Heusler alloys from first-principles calculations. AIP Conference Proceedings, 2015, , .	0.4	0
18	Temperature Dependent EXAFS Study of Chromium-Doped GaFeO_3 at Gallium and Iron Edges. Journal of Physical Chemistry C, 2015, 119, 2029-2037.	3.1	12

#	ARTICLE	IF	CITATIONS
19	Effect of substitution on elastic stability, electronic structure and magnetic property of Ni-Mn based Heusler alloys: An ab initio comparison. Journal of Alloys and Compounds, 2015, 632, 822-829.	5.5	38
20	Magnetic properties and electronic structure of Mn-Ni-Ga magnetic shape memory alloys. Journal of Physics Condensed Matter, 2014, 26, 506001. Ab initio studies of effect of copper substitution on the electronic and magnetic properties of	1.8	12
21	Ni ₂ MnGa and Mn ₂ NiGa. Physical Review B, 2013, 88,	3.2	60
22	IrCrMnZ (Z=Al, Ga, Si, Ge) Heusler alloys as electrode materials for MgO-based magnetic tunneling junctions: A first-principles study. Journal Physics D: Applied Physics, 0, , .	2.8	3