

M GÃ¼ler

List of Publications by Year in descending order

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papers

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1163117

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#	ARTICLE	IF	CITATIONS
1	Electronic, elastic, mechanical and anisotropic response of W_3XC_2 (X: Si, Ge and Al) alloys via first-principles. <i>Solid State Communications</i> , 2022, 343, 114648.	1.9	2
2	Illumination intensities effect on electronic properties of $Fe_{1-x}Ni_xMn/p$ -Si Schottky diode. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4132-4144.	2.2	2
3	Investigating the Magnetic, Mechanical, Electronic, Optical, and Anisotropic Properties of $ZrCoFeX$ (X=Si, Ge) Quaternary Heusler Alloys via First Principles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 1173-1182.	1.8	5
4	Analyzing the electronic and optical properties of bulk, unstrained, and strained monolayers of SrS_2 by DFT. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 143, 115403.	2.7	4
5	Elastic, mechanical, optical and magnetic properties of Ru_2MnX (X=Nb, Ta, V) Heusler alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 523, 167614.	2.3	24
6	Electronic structure, optical and vibrational properties of $Ti_2FeNiSb_2$ and $Ti_2NiInSb$ double half heusler alloys. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105531.	4.0	18
7	Influence of plastic deformation on the microstructural and magnetic properties of some Fe-based alloys. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	2
8	Elastic, mechanical, anisotropic, optical and magnetic properties of $V_{2-x}Ni_xSb$ Heusler alloy. <i>Physica Scripta</i> , 2021, 96, 035807.	2.5	9
9	Structural, elastic and mechanical properties of $Ti_{1-x}Nb_xGe$ alloys: insight from DFT calculations. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	6
10	First principles study of structural, elastic, mechanical and electronic properties of nitrogen-doped cubic diamond. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	29
11	Effect of Quaternary Element (Ni and Mn) Additions on Structural and Magnetic Properties of Cu-Based Alloys. <i>Brazilian Journal of Physics</i> , 2021, 51, 1224-1229.	1.4	6
12	A first-principles study for the elastic and mechanical properties of Ti_{64} , $Ti_{62}Al_2$ and $Ti_{62}Al_4$ alloys. <i>European Physical Journal B</i> , 2021, 94, 1.	1.5	6
13	First principles study of elastic and mechanical properties of $TlBr$ and $TlCl$ compounds. <i>Journal of Molecular Structure</i> , 2020, 1200, 127150.	3.6	11
14	Effect of Nickel Addition on the Magnetic and Microstructural Properties of Cu-Al-Fe Alloy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 755-759.	1.8	5
15	First principles investigations of structural, elastic, mechanical, electronic and optical properties of triple perovskite $Ba_2K_2Te_2O_9$. <i>Physica B: Condensed Matter</i> , 2020, 596, 412404.	2.7	10
16	Magnetic and Kinetic Properties of $Fe_{27}Ni_4Mn$ and $Fe_{27}Ni_4Mn_2Zn$ Alloys Investigated by VSM and DSC. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1431-1436.	1.8	3
17	Martensitic Transformation and Magnetic Properties of the $CuAl$, $CuAlMn$, and $CuAlMnZn$ Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3919-3923.	1.8	9
18	Structural and Magnetic Properties of Thermal- and Deformation-Induced Martensite in an $Fe_{27}Ni_4Mn_1Zn$ Alloy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 381-386.	1.8	3

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19	Investigation of Magnetic Properties of Phase Transformations in Copper-Based Alloys. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1257-1261.	1.8	7
20	Elastic and related properties of Si under hydrostatic pressure calculated using modified embedded atom method. Materials Research Express, 2016, 3, 075901.	1.6	6
21	Theoretical Predictions for High-Pressure Elastic, Mechanical, and Phonon Properties of SiGe Alloy. Brazilian Journal of Physics, 2016, 46, 192-197.	1.4	13
22	Elastic and mechanical properties of hexagonal diamond under pressure. Applied Physics A: Materials Science and Processing, 2015, 119, 721-726.	2.3	25
23	A Theoretical Investigation of the Effect of Pressure on the Structural, Elastic and Mechanical Properties of ZnS Crystals. Brazilian Journal of Physics, 2015, 45, 296-301.	1.4	15
24	Theoretical prediction of the structural, elastic, mechanical and phonon properties of bismuth telluride under pressure. International Journal of Modern Physics B, 2015, 29, 1550222.	2.0	11
25	Magnetism and Microstructure Characterization of Phase Transitions in a Steel. Advances in Condensed Matter Physics, 2014, 2014, 1-4.	1.1	4
26	Embedded Atom Method-Based Geometry Optimization Aspects of Body-Centered Cubic Metals. Chinese Physics Letters, 2013, 30, 056201.	3.3	19
27	Geometry Optimization Calculations for the Elasticity of Gold at High Pressure. Advances in Materials Science and Engineering, 2013, 2013, 1-5.	1.8	9
28	Aspects of thermal martensite in a FeNiMnCo alloy. Micron, 2010, 41, 537-539.	2.2	7
29	First principles study of the electronic, optical, elastic and thermoelectric properties of Nb ₂ WNi alloy. Molecular Physics, 0, , e1928314.	1.7	8
30	DFT aspects of the elastic, mechanical, magnetic, thermodynamic and optical properties of Ce ₃ XY perovskites. Philosophical Magazine, 0, , 1-20.	1.6	7