

M GÃ¼ler

List of Publications by Year in descending order

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30
papers

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citations

1163117

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times ranked

129
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Elastic and mechanical properties of hexagonal diamond under pressure. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 721-726.	2.3	25
3	Elastic, mechanical, optical and magnetic properties of Ru ₂ MnX (X=ÅNb, Ta, V) Heusler alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 523, 167614.	2.3	24
4	Embedded Atom Method-Based Geometry Optimization Aspects of Body-Centered Cubic Metals. <i>Chinese Physics Letters</i> , 2013, 30, 056201.	3.3	19
5	Electronic structure, optical and vibrational properties of Ti ₂ FeNiSb ₂ and Ti ₂ Ni ₂ InSb double half heusler alloys. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105531.	4.0	18
6	A Theoretical Investigation of the Effect of Pressure on the Structural, Elastic and Mechanical Properties of ZnS Crystals. <i>Brazilian Journal of Physics</i> , 2015, 45, 296-301.	1.4	15
7	Theoretical Predictions for High-Pressure Elastic, Mechanical, and Phonon Properties of SiGe Alloy. <i>Brazilian Journal of Physics</i> , 2016, 46, 192-197.	1.4	13
8	Theoretical prediction of the structural, elastic, mechanical and phonon properties of bismuth telluride under pressure. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550222.	2.0	11
9	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
10	First principles investigations of structural, elastic, mechanical, electronic and optical properties of triple perovskite Ba ₂ K ₂ Te ₂ O ₉ . <i>Physica B: Condensed Matter</i> , 2020, 596, 412404.	2.7	10
11	Geometry Optimization Calculations for the Elasticity of Gold at High Pressure. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-5.	1.8	9
12	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
13	Elastic, mechanical, anisotropic, optical and magnetic properties of V ₂ NiSb Heusler alloy. <i>Physica Scripta</i> , 2021, 96, 035807.	2.5	9
14	First principles study of the electronic, optical, elastic and thermoelectric properties of Nb ₂ WNi alloy. <i>Molecular Physics</i> , 0, , e1928314.	1.7	8
15	Aspects of thermal martensite in a FeNiMnCo alloy. <i>Micron</i> , 2010, 41, 537-539.	2.2	7
16	Investigation of Magnetic Properties of Phase Transformations in Copper-Based Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1257-1261.	1.8	7
17	DFT aspects of the elastic, mechanical, magnetic, thermodynamic and optical properties of Ce ₃ XY perovskites. <i>Philosophical Magazine</i> , 0, , 1-20.	1.6	7
18	Elastic and related properties of Si under hydrostatic pressure calculated using modified embedded atom method. <i>Materials Research Express</i> , 2016, 3, 075901.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Structural, elastic and mechanical properties of Tiâ€“15Nbâ€“xGe alloys: insight from DFT calculations. Bulletin of Materials Science, 2021, 44, 1.	1.7	6
20	Effect of Quaternary Element (Ni and Mn) Additions on Structural and Magnetic Properties of Cu-Based Alloys. Brazilian Journal of Physics, 2021, 51, 1224-1229.	1.4	6
21	A first-principles study for the elastic and mechanical properties of Ti64, Ti6242 and Ti6246 alloys. European Physical Journal B, 2021, 94, 1.	1.5	6
22	Effect of Nickel Addition on the Magnetic and Microstructural Properties of Cu-Al-Fe Alloy. Journal of Superconductivity and Novel Magnetism, 2020, 33, 755-759.	1.8	5
23	Investigating the Magnetic, Mechanical, Electronic, Optical, and Anisotropic Properties of ZrCoFeX (Xâ€“=â€“Si, Ge) Quaternary Heusler Alloys via First Principles. Journal of Superconductivity and Novel Magnetism, 2022, 35, 1173-1182.	1.8	5
24	Magnetism and Microstructure Characterization of Phase Transitions in a Steel. Advances in Condensed Matter Physics, 2014, 2014, 1-4.	1.1	4
25	Analyzing the electronic and optical properties of bulk, unstrained, and strained monolayers of SrS2 by DFT. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 143, 115403.	2.7	4
26	Structural and Magnetic Properties of Thermal- and Deformation-Induced Martensite in an Fe-27%Ni-4%Mn-1%Zn Alloy. Journal of Superconductivity and Novel Magnetism, 2018, 31, 381-386.	1.8	3
27	Magnetic and Kinetic Properties of Fe-27%Ni-4%Mn and Fe-27%Ni-4%Mn-2%Zn Alloys Investigated by VSM and DSC. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1431-1436.	1.8	3
28	Influence of plastic deformation on the microstructural and magnetic properties of some Fe-based alloys. European Physical Journal Plus, 2021, 136, 1.	2.6	2
29	Electronic, elastic, mechanical and anisotropic response of W3XC2 (X: Si, Ge and Al) alloys via first-principles. Solid State Communications, 2022, 343, 114648.	1.9	2
30	Illumination intensities effect on electronic properties of Feâ€“Niâ€“Mn/p-Si Schottky diode. Journal of Materials Science: Materials in Electronics, 2022, 33, 4132-4144.	2.2	2