O N Miroshkina

List of Publications by Year
in descending order

23	169	1163117 8	1199594 12
papers	citations	h-index	g-index

23	23	23	150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlation effects on ground-state properties of ternary Heusler alloys: First-principles study. Physical Review B, 2019, 99, .	3.2	28
2	Coulomb correlation in noncollinear antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -Mn. Physical Review B, 2020, 101, .	3.2	27
3	Electronic structure beyond the generalized gradient approximation for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ni</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2020, 102, .	3.2	13
4	Review of Modern Theoretical Approaches for Study of Magnetocaloric Materials. Physics of Metals and Metallography, 2022, 123, 319-374.	1.0	12
5	Exchange-correlation corrections for electronic properties of half-metallic Co2FeSi and nonmagnetic semiconductor CoFeTiAl. Journal of Applied Physics, 2020, 127, .	2.5	10
6	Effective decoupling of ferromagnetic sublattices by frustration in Heusler alloys. Physical Review B, 2022, 105, .	3.2	9
7	Ab Initio Study of the Structural, Magnetic, Electronic, and Thermodynamic Properties of Pd2MnZ (Z =) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	8
8	Prediction of giant magnetocaloric effect in Ni40Co10Mn36Al14 Heusler alloys: An insight from ab initio and Monte Carlo calculations. Journal of Applied Physics, 2020, 127, 163901.	2.5	8
9	Prediction of a Heusler alloy with switchable metal-to-half-metal behavior. Physical Review B, 2021, 103, .	3.2	8
10	Design of a Stable Heusler Alloy with Switchable Metalâ€toâ€Halfâ€Metal Transition at Finite Temperature. Advanced Theory and Simulations, 2021, 4, 2100311.	2.8	6
11	Impact of local arrangement of Fe and Ni on the phase stability and magnetocrystalline anisotropy in Fe-Ni-Al Heusler alloys. Physical Review Materials, 2022, 6, .	2.4	6
12	Superconducting and antiferromagnetic properties of dual-phase V3Ga. Applied Physics Letters, 2020, 117, 062401.	3.3	5
13	Phase Transformations in Ni(Co)â€“Mn(Cr,C)â€“(In,Sn) Alloys: An Ab Initio Study. Physics of Metals and Metallography, 2020, 121, 202-209.	1.0	4
14	A Ternary Map of Niâ€“Mnâ€“Ga Heusler Alloys from Ab Initio Calculations. Metals, 2021, 11, 973.	2.3	4
15	Theoretical Approach to Investigation of the Magnetic and Magnetocaloric Properties of Heusler Niâ€“Mnâ€“Ga Alloys. Physics of the Solid State, 2020, 62, 785-792.	0.6	4
16	Structural and magnetic properties of heusler alloys Pd2MnZ (Z=Ga, Ge, As): AB INITIO study. EPJ Web of Conferences, 2018, 185, 05007.	0.3	3
17	Correlation effects in the ground state of Ni-(Co)-Mn-Sn Heusler compounds. MRS Advances, 2019, 4, 441-446.	0.9	3
18	Phase transitions in Fe-(23â^’24)Ga alloys: Experimental results and modeling. Journal of Alloys and Compounds, 2021, 885, 160917.	5.5	3

#	Article	IF	Citations
19	Chemical long range ordering in all-d-metal Heusler alloys. Journal of Applied Physics, 2022, 131, .	2.5	3
20	Peculiarities of phonons in Ni-Mn-Ga alloys: Ab initio studies. Journal of Magnetism and Magnetic Materials, 2019, 470, 73-76.	2.3	2
21	Statistical model for the martensitic transformation simulation in Heusler alloys. Physica B: Condensed Matter, 2020, 578, 411874.	2.7	2
22	Phase transitions in Fe₃Al-based alloys: ab initio study. Phase Transitions, 2020, 93, 43-53.	1.3	1
23	Soft Phonon Modes in Ni2MnGa and Ni2MnAl Heusler Alloys. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 909-911.	0.6	0