

Elena Shreder

List of Publications by Year in descending order

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papers

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615
citing authors

#	ARTICLE	IF	CITATIONS
1	Local moments in Mn-based Heusler alloys and their electronic structures. Physical Review B, 1999, 60, 6428-6438.	3.2	130
2	Interband Optical Absorption and Plasma Effects in Half-Metallic XMnY Ferromagnets. Physica Status Solidi (B): Basic Research, 1995, 187, 231-240.	1.5	50
3	Evolution of the electronic structure and physical properties of Fe ₂ MeAl (Me = Ti, V, Cr) Heusler alloys. Journal of Physics Condensed Matter, 2008, 20, 045212.	1.8	38
4	Observation of magnetic splitting in XPS MnL-spectra of Co MnSn and Pd MnSn Heusler alloys. European Physical Journal B, 1998, 2, 1-3.	1.5	30
5	Experimental validation of the anomalies in the electron density of states in semiconductor iron-vanadium-aluminum alloys. Low Temperature Physics, 2007, 33, 692-698.	0.6	30
6	Heat capacity of Heusler alloys: Ferromagnetic Ni ₂ MnSb, Ni ₂ MnSn, NiMnSb and antiferromagnetic CuMnSb. Journal of Magnetism and Magnetic Materials, 2007, 311, 530-534.	2.3	27
7	Low-temperature electron properties of Heusler alloys Fe ₂ VAl and Fe ₂ CrAl: Effect of annealing. Journal of Experimental and Theoretical Physics, 2007, 105, 42-45.	0.9	26
8	Optical properties of Fe ₂ NiAl and Fe ₂ MnAl Heusler alloys. Physics of Metals and Metallography, 2012, 113, 146-152.	1.0	24
9	Optical properties of heusler alloys Co ₂ FeSi, Co ₂ FeAl, Co ₂ CrAl, and Co ₂ CrGa. Physics of Metals and Metallography, 2013, 114, 904-909.	1.0	23
10	Atomic disorder and the magnetic, electrical, and optical properties of a Co ₂ CrAl Heusler alloy. Journal of Experimental and Theoretical Physics, 2013, 116, 452-459.	0.9	13
11	Effect of the Structural Disorder and Short-Range Order on the Electronic Structure and Magnetic Properties of the Fe ₂ VAl Heusler Alloy. JETP Letters, 2018, 107, 126-128.	1.4	12
12	X-ray photoelectron and L _{2,3} resonant x-ray emission spectra of the 3d metals in Ni ₂ MnZ (Z=In,Sn,Sb) Heusler alloys. Physical Review B, 2006, 74, .	3.2	11
13	Electrical and Optical Properties of $\text{Fe}_2\text{X}_2\text{YZ}$ ($\text{X} = \text{Co, Fe; Y} = \text{Cr, Mn, Ti; Z} = \text{Ga, Al, Si}$) Heusler Alloys. Solid State Phenomena, 0, 168-169, 545-548.	0.3	11
14	Electron Structure and Optical Properties of the Mn _{1.8} Co _{1.2} Al Alloy and Spin Gapless Semiconductor State. Physics of Metals and Metallography, 2018, 119, 1068-1072.	1.0	11
15	Optical properties and electronic structure of alloys Co ₂ Cr _{1-x} Fe _x Al (x = 0, 0.4, 0.6, 1.0). Physics of the Solid State, 2016, 58, 164-169.	0.6	9
16	Optical properties and the electronic structure of Co ₂ TiGe and Co ₂ TiSn Heusler alloys. Physics of Metals and Metallography, 2017, 118, 965-969.	1.0	9
17	Electronic transport and optical properties of Mo _{0.5} W _{0.5} Te ₂ single crystal. Low Temperature Physics, 2019, 45, 241-245.	0.6	9
18	Evolution of the electronic structure and optical properties of iron-based Heusler alloys. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2015, 119, 969-973.	0.6	8

#	ARTICLE	IF	CITATIONS
19	Evidence for canonical spin glass behaviour in polycrystalline Mn _{1.5} Fe _{1.5} Al Heusler alloy. Journal of Magnetism and Magnetic Materials, 2022, 546, 168752.	2.3	8
20	Local moments and electronic correlations in Fe-based Heusler alloys: K α x-ray emission spectra measurements. Journal of Alloys and Compounds, 2016, 679, 268-276.	5.5	7
21	Optical Properties of NiAl Intermetallic Compounds during Concentration and Temperature B.C.C. \leftrightarrow F.C.T. Transitions. Physica Status Solidi (B): Basic Research, 1985, 129, 667-674.	1.5	6
22	Magneto-optical study of the non-collinear magnetic structure of Fe/Cr superlattices. Journal of Magnetism and Magnetic Materials, 1996, 156, 179-180.	2.3	5
23	Electronic Structure and Electronic Properties of PtSn ₄ Single Crystal. Journal of Experimental and Theoretical Physics, 2019, 128, 939-945.	0.9	4
24	Electronic Structure and Optical Properties of the Mn ₂ CrAl Heusler Alloy. Physics of Metals and Metallography, 2020, 121, 532-536.	1.0	4
25	Structure and magnetic, electrical, and optical properties of thin films of Fe ₂ NbSn and Co ₂ Cr _{0.6} Fe _{0.4} Al Heusler alloys prepared by the method of magnetron sputtering. Physics of Metals and Metallography, 2013, 114, 1003-1008.	1.0	2
26	Electronic Structure and Optical Properties of the Co ₂ NiAl Heusler Alloy. Physics of Metals and Metallography, 2019, 120, 729-732.	1.0	2
27	Electronic Structure, Optical, and Magnetic Properties of Mn _{100-x} Ge _x (x = 20, 25, and 30) Alloys Near Tetragonal \leftrightarrow Orthorhombic Structural Phase Transition. Physica Status Solidi (B): Basic Research, 2019, 256, 1900155.	1.5	0