Tatyana Govorkova

List of Publications by Year
in descending order

26	160	1307594 7	1199594 12
papers	citations	h-index	g-index

26	26	26	64
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Low-temperature effects of resonance electronic states at transition-element impurities in the kinetic, magnetic, and acoustic properties of semiconductors. Low Temperature Physics, 2007, 33, 207-213.	0.6	18
3	Anomalous low-temperature contribution to the heat capacity from hybridized electronic states on transition element impurities. Low Temperature Physics, 2011, 37, 220-225.	0.6	13
4	Experimental discovery and theoretical description of the anomalous hall effect in a spontaneously polarized electron system of hybridized impurity states. JETP Letters, 2012, 96, 405-409.	1.4	13
5	Experimental study of manifestations of resonance scattering of conduction electrons on transition-element impurities in mercury selenide. Low Temperature Physics, 2005, 31, 872-879.	0.6	12
6	Peculiar behavior of magnetoresistance in HgSe single crystal with low electron concentration. Applied Physics Letters, 2018, 112, 082101.	3.3	10
7	Experimental observation of spontaneous spin polarization of electrons in hybridized states of transition element impurities in semiconductors. Low Temperature Physics, 2013, 39, 384-388.	0.6	9
8	New manifestations of a pseudogap state and electron spin scattering in the low-temperature thermal properties of near-stoichiometric iron-vanadium-aluminum alloys. Low Temperature Physics, 2015, 41, 150-153.	0.6	7
9	Determination of effective magnetic moments of the hybridized electronic states of impurities from the concentration dependence of the Curie constant. Physics of Metals and Metallography, 2009, 108, 116-119.	1.0	6
10	Spin ordering contribution of iron, cobalt, and nickel impurity electron states, to the low-temperature magnetic susceptibility of mercury selenide crystals. Low Temperature Physics, 2015, 41, 154-156.	0.6	5
11	Influence of the hybridization of impurity electron states on the quantum magneto-oscillation phenomena in mercury selenide with iron impurities. Low Temperature Physics, 2008, 34, 487-489.	0.6	4
12	Anomalous low-temperature specific heat of Fe_{2-x}V_{1+x}Al (x=0;) Tj ETQq0 0 0 rgBT /Overlock 10	0.4	4
13	New data and developments pertaining to ideas about the electron system of hybridized states of cobalt impurity atoms in a mercury selenide crystal. Low Temperature Physics, 2017, 43, 508-514.	0.6	4
14	Resonant effects in the manifestation of hybridized electronic states of iron impurities in the temperature dependences of the absorption coefficient and velocity of ultrasound propagation in mercury selenide. Physics of the Solid State, 2007, 49, 2065-2069.	0.6	3
15	On the experimental substantiation of the hybridization of electronic states on cobalt impurities in the conduction band of a crystal. Physics of Metals and Metallography, 2012, 113, 326-330.	1.0	3
16	Revealing the low-temperature effect of strengthening the magnetism of iron-vanadium-aluminum alloy upon small variation of the non-transition element content in the stoichiometric composition. Low Temperature Physics, 2016, 42, 230-231.	0.6	3
17	Examination of the specific features of the electron density of states of weakly nonstoichiometric Feâ€“Vâ€“Al alloys through the analysis of low-temperature heat capacity. Technical Physics Letters, 2016, 42, 898-900.	0.7	3
18	Experimental determination of the magnetic-field dependence of the low-temperature spontaneous magnetization of the electron system of hybridized states of cobalt impurities of low concentration (â‰0.035 at.%) in a mercury selenide crystal. Low Temperature Physics, 2018, 44, 1221-1222.	0.6	3

#	Article	IF	Citations
19	Low-temperature magnetic field dependences of spontaneous magnetization in a low-concentration iron impurity (â‰ˆ0.2 at%) electron system of a mercury selenide crystal. Low Temperature Physics, 2019, 45, 234-240.	0.6	3
20	The detection of a strong influence of composition variations on low-temperature magnetic ordering in nearly stoichiometric Feâ€“Vâ€“Al alloys. Technical Physics Letters, 2016, 42, 1122-1125.	0.7	2
21	Experimental detection of quantum oscillations of anomalous Hall resistance in mercury selenide crystals with cobalt impurities. Low Temperature Physics, 2017, 43, 504-507.	0.6	2
22	Nonstoichiometric Feâ€“Vâ€“Al full Heusler alloys under high pressure: thermoelectric properties. High Pressure Research, 2021, 41, 184-197.	1.2	2
23	Microwave Magnetic Absorption in HgSe with Co and Ni Impurities. Semiconductors, 2019, 53, 1375-1380.	0.5	1
24	The interaction of ultrasound with electrons in hybridized states of iron impurity in a mercury selenide crystal. Technical Physics Letters, 2007, 33, 821-824.	0.7	0
25	Observation of manifestations of spontaneous magnetization currents in the crystals of HgSe with low concentration impurities of 3d-transition metal. Technical Physics Letters, 2017, 43, 57-60.	0.7	0
26	Effects of Magnetic Ordering in Conductivity and Magnetization of GaAs-Based Semiconductor Heterostructures upon Changing the Concentration of the Delta-Layer of Manganese Admixture. Physics of the Solid State, 2018, 60, 2402-2407.	0.6	0