

# Tatyana Govorkova

## List of Publications by Year in descending order

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26  
papers

160  
citations

1307594

7  
h-index

1199594

12  
g-index

26  
all docs

26  
docs citations

26  
times ranked

64  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonstoichiometric Fe <sub>1-x</sub> V <sub>1+x</sub> Al full Heusler alloys under high pressure: thermoelectric properties. High Pressure Research, 2021, 41, 184-197.	1.2	2
2	Microwave Magnetic Absorption in HgSe with Co and Ni Impurities. Semiconductors, 2019, 53, 1375-1380.	0.5	1
3	Low-temperature magnetic field dependences of spontaneous magnetization in a low-concentration iron impurity (â‰‰0.2 at%) electron system of a mercury selenide crystal. Low Temperature Physics, 2019, 45, 234-240.	0.6	3
4	Peculiar behavior of magnetoresistance in HgSe single crystal with low electron concentration. Applied Physics Letters, 2018, 112, 082101.	3.3	10
5	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
6	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
7	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
8	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
9	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
10	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
11	Examination of the specific features of the electron density of states of weakly nonstoichiometric Fe <sub>1-x</sub> V <sub>1+x</sub> Al alloys through the analysis of low-temperature heat capacity. Technical Physics Letters, 2016, 42, 898-900.	0.7	3
12	The detection of a strong influence of composition variations on low-temperature magnetic ordering in nearly stoichiometric Fe <sub>1-x</sub> V <sub>1+x</sub> Al alloys. Technical Physics Letters, 2016, 42, 1122-1125.	0.7	2
13	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
14	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
15	Anomalous low-temperature specific heat of Fe <sub>2-x</sub> V <sub>1+x</sub> Al (x=0; Tj ETQq1 1,0,784314 rgBT /Cv	0.4	4
16	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
17	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
18	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

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19	Anomalous low-temperature contribution to the heat capacity from hybridized electronic states on transition element impurities. <i>Low Temperature Physics</i> , 2011, 37, 220-225.	0.6	13
20	Determination of effective magnetic moments of the hybridized electronic states of impurities from the concentration dependence of the Curie constant. <i>Physics of Metals and Metallography</i> , 2009, 108, 116-119.	1.0	6
21	Influence of the hybridization of impurity electron states on the quantum magneto-oscillation phenomena in mercury selenide with iron impurities. <i>Low Temperature Physics</i> , 2008, 34, 487-489.	0.6	4
22	Experimental validation of the anomalies in the electron density of states in semiconductor iron-vanadium-aluminum alloys. <i>Low Temperature Physics</i> , 2007, 33, 692-698.	0.6	30
23	Low-temperature effects of resonance electronic states at transition-element impurities in the kinetic, magnetic, and acoustic properties of semiconductors. <i>Low Temperature Physics</i> , 2007, 33, 207-213.	0.6	18
24	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. <i>Physics of the Solid State</i> , 2007, 49, 2065-2069.	0.6	3
25	The interaction of ultrasound with electrons in hybridized states of iron impurity in a mercury selenide crystal. <i>Technical Physics Letters</i> , 2007, 33, 821-824.	0.7	0
26	Experimental study of manifestations of resonance scattering of conduction electrons on transition-element impurities in mercury selenide. <i>Low Temperature Physics</i> , 2005, 31, 872-879.	0.6	12