

Vsevolod I Okulov

List of Publications by Year in descending order

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28
papers

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docs citations

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66
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#	ARTICLE	IF	CITATIONS
1	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
2	Effects of resonance scattering of electrons by donor impurities in semiconductors. <i>Low Temperature Physics</i> , 2004, 30, 897-903.	0.6	18
3	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
4	Low-temperature anomalies of the mobility and Shubnikovâ€“de Haas oscillations due to electron resonance scattering on donor impurities in semiconductors. Explanation based on the Friedel approach. <i>Low Temperature Physics</i> , 2004, 30, 328-331.	0.6	15
5	Magnetic susceptibility of resonance donor impurities of transition elements in semiconductors. <i>Low Temperature Physics</i> , 2004, 30, 417-420.	0.6	13
6	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
7	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
8	Spontaneous spin polarization of systems with impurity hybridized electron states in conduction band of crystals. <i>Low Temperature Physics</i> , 2011, 37, 798-802.	0.6	12
9	Pseudogap state and strong scattering of current carriers by local spin moments as mechanisms for the semiconducting properties of near-stoichiometric iron-vanadium-aluminum alloys. <i>Low Temperature Physics</i> , 2013, 39, 84-88.	0.6	9
10	Anomalies in the temperature dependence of the contribution to the speed of sound from hybridized electronic states of transition element impurities. <i>Low Temperature Physics</i> , 2011, 37, 347-352.	0.6	8
11	On the theoretical description of low-temperature effects in metals and doped semiconductors on the basis of the quantum theory of an electron liquid. <i>Low Temperature Physics</i> , 2009, 35, 702-711.	0.6	7
12	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
13	Fermi-liquid anomaly of the concentration dependence of the g-factor of the conduction electrons in a semiconductor with hybridized impurity states. <i>Low Temperature Physics</i> , 2009, 35, 146-148.	0.6	5
14	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
15	Observation and interpretation of the low-temperature features of the phonon thermal conductivity of mercury selenide crystals doped with impurities of 3d transition elements. <i>Low Temperature Physics</i> , 2009, 35, 71-75.	0.6	4
16	Low-temperature manifestations of hybridized electronic states of iron impurities in the thermoelectric power of mercury selenide. <i>Low Temperature Physics</i> , 2009, 35, 223-225.	0.6	4
17	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
18	Concentration Dependence of Localized Magnetic Moments of Hybridized Electron States at the Impurities of Transition Elements in Semiconductors. <i>Solid State Phenomena</i> , 0, 168-169, 489-492.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Acoustic magnetic resonance in absorption and dispersion of surface elastic waves in multilayers. <i>Low Temperature Physics</i> , 1999, 25, 148-150.	0.6	1
20	The impurities of iron and cobalt in mercury selenide: Localization effects of hybridized electronic states in the temperature dependences of thermoelectric power. <i>Physica B: Condensed Matter</i> , 2009, 404, 5259-5261.	2.7	1
21	XIX Ural International Winter School on Physics of Semiconductors. <i>Low Temperature Physics</i> , 2013, 39, 1-1.	0.6	1
22	Observation of Low-Temperature Softening of Transverse Elastic Modulus Due to Cobalt Impurities in Mercury Selenide. <i>Journal of Low Temperature Physics</i> , 2016, 185, 571-576.	1.4	1
23	Electron Fermi liquid interaction as a mechanism of changing the de Haas-van Alphen oscillation form in metals at low temperatures. <i>European Physical Journal D</i> , 1996, 46, 2657-2658.	0.4	0
24	XVI Ural international winter school on physics of semiconductors. <i>Low Temperature Physics</i> , 2007, 33, 97-97.	0.6	0
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	XVII Ural International Winter School on Physics of Semiconductors. <i>Low Temperature Physics</i> , 2009, 35, 1-1.	0.6	0
27	Love-type surface acoustic waves in a material with a heterogeneous layer. <i>Russian Journal of Nondestructive Testing</i> , 2009, 45, 236-246.	0.9	0
28	Scaling in the Quantum Hall Regime for a Double Quantum Well Nanostructure in High Magnetic Field. <i>Solid State Phenomena</i> , 2014, 215, 208-213.	0.3	0