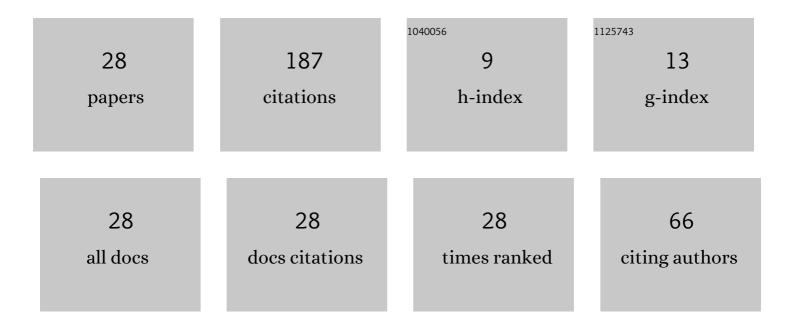
Vsevolod I Okulov

List of Publications by Year in descending order

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VSEVOLOD LOKULOV

#	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	Effects of resonance scattering of electrons by donor impurities in semiconductors. Low Temperature Physics, 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. Low Temperature Physics, 2007, 33, 207-213.	0.6	18
4	Low-temperature anomalies of the mobility and Shubnikov–de Haas oscillations due to electron resonance scattering on donor impurities in semiconductors. Explanation based on the Friedel approach. Low Temperature Physics, 2004, 30, 328-331.	0.6	15
5	Magnetic susceptibility of resonance donor impurities of transition elements in semiconductors. Low Temperature Physics, 2004, 30, 417-420.	0.6	13
6	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
7	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
8	Spontaneous spin polarization of systems with impurity hybridized electron states in conduction band of crystals. Low Temperature Physics, 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. Low Temperature Physics, 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. Low Temperature Physics, 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. Low Temperature Physics, 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. Physics of Metals and Metallography, 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. Low Temperature Physics, 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. Low Temperature Physics, 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. Low Temperature Physics, 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. Low Temperature Physics, 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. Physics of the Solid State, 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. Solid State Phenomena, 0, 168-169, 489-492.	0.3	2

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#	Article	IF	CITATIONS
19	Acoustic magnetic resonance in absorption and dispersion of surface elastic waves in multilayers. Low Temperature Physics, 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. Physica B: Condensed Matter, 2009, 404, 5259-5261.	2.7	1
21	XIX Ural International Winter School on Physics of Semiconductors. Low Temperature Physics, 2013, 39, 1-1.	0.6	1
22	Observation of Low-Temperature Softening of Transverse Elastic Modulus Due to Cobalt Impurities in Mercury Selenide. Journal of Low Temperature Physics, 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. European Physical Journal D, 1996, 46, 2657-2658.	0.4	0
24	XVI Ural international winter school on physics of semiconductors. Low Temperature Physics, 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. Technical Physics Letters, 2007, 33, 821-824.	0.7	0
26	XVII Ural International Winter School on Physics of Semiconductors. Low Temperature Physics, 2009, 35, 1-1.	0.6	0
27	Love-type surface acoustic waves in a material with a heterogeneous layer. Russian Journal of Nondestructive Testing, 2009, 45, 236-246.	0.9	0
28	Scaling in the Quantum Hall Regime for a Double Quantum Well Nanostructure in High Magnetic Field. Solid State Phenomena, 2014, 215, 208-213.	0.3	0