

Sergey Podgornykh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nonuniversal Scaling Behavior of Conductivity Peak Widths in the Quantum Hall Effect in InGaAs/InAlAs Structures. <i>Semiconductors</i> , 2018, 52, 1551-1558.	0.5	2
2	Electron Effective Mass and g Factor in Wide HgTe Quantum Wells. <i>Semiconductors</i> , 2018, 52, 12-18.	0.5	4
3	Quantum Hall effect in n-InGaAs/InAlAs metamorphic nanoheterostructures with high InAs content. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 440, 10-12.	2.3	3
4	Activation transport under quantum Hall regime in HgTe-based heterostructure. <i>Low Temperature Physics</i> , 2017, 43, 485-490.	0.6	3
5	Insulator-quantum Hall transition in n-InGaAs/GaAs heterostructures. <i>Low Temperature Physics</i> , 2017, 43, 491-494.	0.6	2
6	New data and developments pertaining to ideas about the electron system of hybridized states of cobalt impurity atoms in a mercury selenide crystal. <i>Low Temperature Physics</i> , 2017, 43, 508-514.	0.6	4
7	Examination of the specific features of the electron density of states of weakly nonstoichiometric Fe _{1-x} Al alloys through the analysis of low-temperature heat capacity. <i>Technical Physics Letters</i> , 2016, 42, 898-900.	0.7	3
8	HgTe/CdHgTe double quantum well with a spectrum of bilayer graphene and peculiarities of its magnetotransport. <i>JETP Letters</i> , 2016, 104, 403-410.	1.4	11
9	Quantum Hall effect and hopping conductivity in n-InGaAs/InAlAs nanoheterostructures. <i>Semiconductors</i> , 2016, 50, 1641-1646.	0.5	2
10	The detection of a strong influence of composition variations on low-temperature magnetic ordering in nearly stoichiometric Fe _{1-x} Al alloys. <i>Technical Physics Letters</i> , 2016, 42, 1122-1125.	0.7	2
11	2D localization and delocalization effects in quantum Hall regime in HgTe wide quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016, 13, 473-476.	0.8	4
12	Variable-Range Hopping Conductivity in Quantum Hall Regime for HgTe-Based Heterostructure. <i>Journal of Low Temperature Physics</i> , 2016, 185, 665-672.	1.4	6
13	Quantum magnetotransport in n-InGaAs/GaAs structures with electron density changes caused by infrared radiation. <i>Low Temperature Physics</i> , 2015, 41, 221-232.	0.6	4
14	New manifestations of a pseudogap state and electron spin scattering in the low-temperature thermal properties of near-stoichiometric iron-vanadium-aluminum alloys. <i>Low Temperature Physics</i> , 2015, 41, 150-153.	0.6	7
15	Temperature scaling in the quantum-Hall-effect regime in a HgTe quantum well with an inverted energy spectrum. <i>Semiconductors</i> , 2015, 49, 1545-1549.	0.5	11
16	Anomalous low-temperature specific heat of Fe _{2-x} V _{1+x} Al (x=0;). <i>Tj ETQq0 0,0 rgBT /Overlock 10</i>	0,4	4
17	Temperature dependence of quantum lifetime in n-InGaAs/GaAs structures with strongly coupled double quantum wells. <i>Low Temperature Physics</i> , 2013, 39, 43-49.	0.6	5
18	Tunneling effects in tilted magnetic fields in n-InGaAs/GaAs structures with strongly coupled double quantum wells. <i>Semiconductors</i> , 2013, 47, 1447-1451.	0.5	1

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37	STEREOSCOPIC OSCILLATIONS OF THE n-InGaAs/GaAs DOUBLE QUANTUM WELL MAGNETORESISTANCE UNDER TILTED MAGNETIC FIELDS. International Journal of Modern Physics B, 2007, 21, 1399-1403.	2.0	0
38	Jahn-Teller effect and lattice shear strain in Zn _{1-x} MxSe. Low Temperature Physics, 2007, 33, 202-206.	0.6	0
39	TRANSPORT PROPERTIES OF 2D ELECTRON GAS IN AN n-InGaAs/GaAs DQW IN A VICINITY OF LOW MAGNETIC-FIELD-INDUCED HALL INSULATOR QUANTUM HALL LIQUID TRANSITION. International Journal of Nanoscience, 2007, 06, 173-177.	0.7	0
40	Features of quantum effects in two-dimensional GaAs _{1-x} InGaAs _x GaAs structures with double quantum wells. Low Temperature Physics, 2007, 33, 156-159.	0.6	6
41	Quantum magnetotransport in an n-In _x Ga _{1-x} As _x GaAs double quantum well in tilted magnetic fields. Low Temperature Physics, 2007, 33, 151-155.	0.6	1
42	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
43	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
44	Specific heat of La(Fe _{0.873} Co _{0.007} Al _{0.12}) ₁₃ compound in antiferromagnetic and ferromagnetic states. Journal of Experimental and Theoretical Physics, 2007, 105, 62-64.	0.9	2
45	Magnetic breakdown and quantum magnetotransport with a constant pseudospin under tilted magnetic fields in an n-In _x Ga _{1-x} As/GaAs double quantum well. Journal of Experimental and Theoretical Physics, 2007, 105, 214-222.	0.9	5
46	Low-energy excited states of 3d transition metal ions in zinc selenide. Physics of the Solid State, 2006, 48, 1703-1707.	0.6	2
47	Heat capacity of the La(Fe _{0.88} Si _{0.12}) ₁₃ and La(Fe _{0.88} Si _{0.12}) ₁₃ H _{1.5} compounds with a large magnetocaloric effect. Physical Review B, 2006, 73, .	3.2	12
48	Magnetic phase diagram of La(Fe _{0.873} Co _{0.007} Al _{0.12}) ₁₃ cluster intermetallic compound. Journal of Magnetism and Magnetic Materials, 2001, 237, 147-152.	2.3	12
49	Spontaneous and forced magnetostriction of Co _{1-x} Mnx and Co _{1-x} (FeMn) _x alloys. Journal of Magnetism and Magnetic Materials, 1995, 145, 186-188.	2.3	0
50	Relationship between the Spontaneous Magnetization, Spontaneous Magnetostriction and Heat Capacity in the Compound Mn ₅ Ge ₃ . Solid State Phenomena, 0, 168-169, 153-156.	0.3	0