Sergey Podgornykh

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4761610/publications.pdf

Version: 2024-02-01

	933447	996975
299	10	15
citations	h-index	g-index
50	50	327
docs citations	times ranked	citing authors
	citations 50	299 10 citations h-index 50 50

#	Article	IF	CITATIONS
1	Nonuniversal Scaling Behavior of Conductivity Peak Widths in the Quantum Hall Effect in InGaAs/InAlAs Structures. Semiconductors, 2018, 52, 1551-1558.	0.5	2
2	Electron Effective Mass and g Factor in Wide HgTe Quantum Wells. Semiconductors, 2018, 52, 12-18.	0.5	4
3	Quantum Hall effect in n-InGaAs/InAlAs metamorphic nanoheterostructures with high InAs content. Journal of Magnetism and Magnetic Materials, 2017, 440, 10-12.	2.3	3
4	Activation transport under quantum Hall regime in HgTe-based heterostructure. Low Temperature Physics, 2017, 43, 485-490.	0.6	3
5	Insulator-quantum Hall transition in n-InGaAs/GaAs heterostructures. Low Temperature Physics, 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. Low Temperature Physics, 2017, 43, 508-514.	0.6	4
7	Examination of the specific features of the electron density of states of weakly nonstoichiometric Fe–V–Al alloys through the analysis of low-temperature heat capacity. Technical Physics Letters, 2016, 42, 898-900.	0.7	3
8	HgTe/CdHgTe double quantum well with a spectrum of bilayer graphene and peculiarities of its magnetotransport. JETP Letters, 2016, 104, 403-410.	1.4	11
9	Quantum Hall effect and hopping conductivity in n-InGaAs/InAlAs nanoheterostructures. Semiconductors, 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–V–Al alloys. Technical Physics Letters, 2016, 42, 1122-1125.	0.7	2
11	2Dâ€localization and delocalization effects in quantum Hall regime in HgTe wide quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 473-476.	0.8	4
12	Variable-Range Hopping Conductivity in Quantum Hall Regime for HgTe-Based Heterostructure. Journal of Low Temperature Physics, 2016, 185, 665-672.	1.4	6
13	Quantum magnetotransport inn-InGaAs/GaAs structures with electron density changes caused by infrared radiation. Low Temperature Physics, 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. Low Temperature Physics, 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. Semiconductors, 2015, 49, 1545-1549.	0.5	11
16	Anomalous low-temperature specific heat of Fe _{2-<i>x</i>} V _{1+<i>x</i>} Al (x=0;) Tj ETQc	10 0 0 rgB	T /Qverlock 10
17	Temperature dependence of quantum lifetime inn-lnGaAs/GaAs structures with strongly coupled double quantum wells. Low Temperature Physics, 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. Semiconductors, 2013, 47, 1447-1451.	0.5	1

#	Article	IF	Citations
19	The effect of infrared radiation on quantum magnetotransport in n-InGaAs/GaAs with two strongly coupled quantum wells. Low Temperature Physics, 2013, 39, 374-377.	0.6	6
20	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
21	Effects of spin polarization in the HgTe quantum well. Physical Review B, 2012, 85, .	3.2	11
22	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
23	A problem of the effective g-factor in the n-HgTeâ^•Cd[sub x]Hg[sub 1â^'x]Te quantum well with inverted band structure. , 2011, , .		0
24	Heat capacity of the Ni ₅₀ Mn ₃₇ (In _{0.2} Sn _{0.8}) ₁₃ alloy. Journal of Physics: Conference Series, 2011, 266, 012004.	0.4	6
25	Interlevel hybridization phenomena in the coincidence effect under quantum Hall regime in a HgTe quantum well. Journal of Physics: Conference Series, 2011, 334, 012030.	0.4	1
26	Spin Polarization Phenomena and Pseudospin Quantum Hall Ferromagnetism in the HgTe Quantum Well. AIP Conference Proceedings, $2011, \dots$	0.4	0
27	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
28	Effect of Al substitution on the magnetocaloric properties of La(Fe0.88Si0.12â^'xAlx)13. Physical Review B, 2011, 83, .	3.2	15
29	Effect of the magnetic prehistory on the low-temperature heat capacity of the La(Fe0.88Al0.12-xSix)13compounds. Journal of Physics: Conference Series, 2010, 200, 032057.	0.4	2
30	Relationship between the heat capacity, thermal expansion coefficient, and spontaneous magnetization in the invarlike compound YFe10Mo2. Physics of Metals and Metallography, 2010, 109, 247-254.	1.0	10
31	Spin splittings in the n- quantum well with inverted band structure. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 948-951.	2.7	19
32	Magnetoresistance of Ni ₅₀ Mn ₃₇ (Sn _{1-X} In _x) ₁₃ Alloys. Solid State Phenomena, 2010, 168-169, 204-207.	0.3	2
33	Quantum Hall effect in an InAsâ^•AlSb double quantum well. Low Temperature Physics, 2009, 35, 44-47.	0.6	1
34	GrÃ1⁄4neisen's law and particularities of electronic excitations in quasicrystals. Low Temperature Physics, 2009, 35, 536-538.	0.6	6
35	Butterflylike specific heat, magnetocaloric effect, and itinerant metamagnetism in <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mrow><mml:mtext><r 2009.="" 79<="" b.="" physical="" review="" td=""><td>nml:mo>,<</td><td>/mml:mo><n< td=""></n<></td></r></mml:mtext></mml:mrow></mml:mrow></mml:mrow></mml:math>	nml:mo>,<	/mml:mo> <n< td=""></n<>
36	Evolution of the spin-split quantum Hall states with magnetic field tilt in the InAs-based double quantum wells. Journal of Physics: Conference Series, 2009, 150, 022100.	0.4	3

#	Article	IF	CITATIONS
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 Zn1â^'xMxSe. 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	O
40	Features of quantum effects in two-dimensional GaAs∕nâ€InGaAs∕GaAs structures with double quantum wells. Low Temperature Physics, 2007, 33, 156-159.	0.6	6
41	Quantum magnetotransport in an n-InxGa1â^'xAsâ^•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 Ni2MnSb, Ni2MnSn, 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 Fe2VAl and Fe2CrAl: Effect of annealing. Journal of Experimental and Theoretical Physics, 2007, 105, 42-45.	0.9	26
44	Specific heat of La(Fe0.873Co0.007Al0.12)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-ln x $Ga1\hat{a}^2$ 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 theLa(Fe0.88Si0.12)13andLa(Fe0.88Si0.12)13H1.5compounds with a large magnetocaloric effect. Physical Review B, 2006, 73, .	3.2	12
48	Magnetic phase diagram of La(Fe0.873Co0.007Al0.12)13 cluster intermetallic compound. Journal of Magnetism and Magnetic Materials, 2001, 237, 147-152.	2.3	12
49	Spontaneous and forced magnetostriction of Co1â^'xMnx and Co1â^'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