

International Laboratory of High Magnetic Fields and Low Temperatures
Publicații peste hotare - 31 articole. Descărcări - 5. Vizualizări - 13110.

2017 - 3

Effect of a strain on the magnetotransport properties of Bi wires

Kondrya Elena. Gilewski Andrzej. Muntyanu Fiodor M.

Indian Journal of Physics

Nr. 8(91) / 2017 / ISSN 0973-1458

Disponibil online 15 February, 2018. Descărcări-1. Vizualizări-827

On the peculiarities of galvanomagnetic effects in high magnetic fields in twisting bicrystals of the 3D topological insulator Bi_{1-x}Sb_x ($0.07 \leq x \leq 0.2$)

Muntyanu Fiodor M.. Gheorghita Eugene. Gilewski Andrzej. Chistol Vitalie. Bejan Viorel. Munteanu Vasile

Semiconductors

Nr. / 2017 / ISSN 1063-7826

Disponibil online 15 February, 2023. Descărcări-0. Vizualizări-206

Lifshitz topological transitions, induced by doping and deformation in single-crystal bismuth wires

Nikolaeva Albina. Konopko Leonid. Huber Tito. Kobylanskaya A.K.. Para Gheorghe

Low Temperature Physics

Nr. / 2017 / ISSN 1063-777X

Disponibil online 15 February, 2023. Descărcări-0. Vizualizări-208

2016 - 4

Surface States Transport in Topological Insulator Bi_{0.83}Sb_{0.17} Nanowires

Konopko Leonid. Nikolaeva Albina. Huber Tito. Ansermet Jean

Journal of Low Temperature Physics

Nr. 5-6(185) / 2016 / ISSN 0022-2291

Disponibil online 3 November, 2017. Descărcări-0. Vizualizări-753

Galvanomagnetic effects in tellurium whiskers

Averkiev Nikita. Berezoveț Veaceslav. Savchenko Grigorii. Nikolaeva Albina

Physica Status Solidi (B) Basic Research

Nr. / 2016 / ISSN 0370-1972

Disponibil online 20 June, 2022. Descărcări-0. Vizualizări-309

Magnetoresistance peculiarities of bismuth wires in high magnetic field

Kondrya Elena. Gilewski Andrzej. Nikorich Andrey V.

Physics Letters, Section A: General, Atomic and Solid State Physics

Nr. 11-12(380) / 2016 / ISSN 0375-9601

Disponibil online 2 August, 2022. Descărcări-0. Vizualizări-287

The impact of dimensions, magnetic field, elastic deformation on the thermoelectric figure of merit of the topological insulator wires based on semiconductor Bi_{1-x}Sb_x wires

Nikolaeva Albina. Konopko Leonid. Huber Tito. Bodyul P.. Popov Ivan. Moloshnik Eugen. Gherghisan Igor

Journal of Thermoelectricity

Nr. 4 / 2016 / ISSN 1607-8829

Disponibil online 14 December, 2022. Descarcări-0. Vizualizări-216

2014 - 3

Temperature and magnetic dependence of the resistance and thermopower in the topological insulator Bi_{1-x}Sb_x nanowires

Nikolaeva Albina. Konopko Leonid. Huber Tito. Popov Ivan. Bodyul P.. Moloshnik Eugen

Physica Status Solidi (A) Applications and Materials Science

Nr. / 2014 / ISSN 1862-6300

Disponibil online 3 October, 2023. Descarcări-0. Vizualizări-128

Galvanomagnetic and thermoelectric properties of Te doped single-crystal bismuth wires

Nikolaeva Albina. Konopko Leonid. Huber Tito. Tsurkan Ana. Meglei Dragoș. Matveev D.

Physica Status Solidi (C) Current Topics in Solid State Physics

Nr. / 2014 / ISSN 1862-6351 / ISSN_e 1610-1642

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Thermoelectric properties of Bi₂Te₃ microwires

Konopko Leonid. Nikolaeva Albina. Huber Tito. Meglei Dragoș

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Nr. / 2014 / ISSN 1862-6351 / ISSN_e 1610-1642

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2013 - 1

High-field peculiarities of galvanomagnetic quantum oscillations in Bi bicrystals with nano-width superconducting crystallite interfaces

Muntyanu Fiodor M.. Gilewski Andrzej. Nenkov Konstantin A.. Zaleski Andrzej Janusz. Palewski Tomasz. Chistol Vitalie

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Nr. / 2013 / ISSN 0038-1098 / ISSN_e 1879-2766

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2012 - 8

Thermoelectric phenomena in Bi_{1-x}Sb_x nanowires in semimetal and gapless region

Nikolaeva Albina. Konopko Leonid. Huber Tito. Ansermet Jean. Popov Ivan

Journal of Nanoelectronics and Optoelectronics

Nr. / 2012 / ISSN 1555-130X

Disponibil online 25 August, 2023. Descarcări-0. Vizualizări-154

Thermoelectric prospects of nanomaterials with spin-orbit surface bands

Huber Tito. Owusu K.. Johnson Scott D.. Nikolaeva Albina. Konopko Leonid. Johnson R. C.. Graf Michael J.

Journal of Applied Physics

Nr. / 2012 / ISSN 0021-8979 / ISSNe 1089-7550

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Electrical properties of lead telluride single crystals doped with Gd

Todosiciuc Alexandr. Nikorich Andrey V.. Kondrya Elena. Warchulska Jolanta K.

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Vol. 2. 2012. New Jersey. . 269-272.

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Size-quantization semimetal-semiconductor transition in Bi 0.98Sb 0.02 nanowires: Thermoelectric properties

Nikolaeva Albina. Konopko Leonid. Huber Tito. Bodyul P.. Popov Ivan. Moloshnik Eugen

Journal of Electronic Materials

Nr. / 2012 / ISSN 0361-5235 / ISSNe 1543-186X

Disponibil online 29 December, 2023. Descarcări-0. Vizualizări-84

Surface state effects on the thermopower of 30-to 200-nm diameter bismuth nanowires

Huber Tito. Owusu K.. Johnson Scott D.. Nikolaeva Albina. Konopko Leonid. Johnson R. C.. Graf Michael J.

AIP Conference Proceedings

Vol.1449. 2012. College Park, Maryland. Institute of Electrical and Electronics Engineers Inc.. 299-302.

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Prospects of nanostructures Bi_{1-x}Sb_x for thermoelectricity

Nikolaeva Albina. Konopko Leonid. Huber Tito. Bodyul P.. Popov Ivan

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Enhancement of thermopower anisotropy in Bi and Bi-Sn wires under elastic deformation and magnetic field

Nikolaeva Albina. Konopko Leonid. Huber Tito. Tsurkan Ana. Botnary Oxana

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Switching effect in transverse thermopower in single-crystal Bi microwires

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2011 - 2

Surface state band mobility and thermopower in semiconducting bismuth nanowires

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Disponibil online 27 June, 2023. Descarcări-0. Vizualizări-171

Magnetic properties and superconductivity of nano-width crystallite interfaces of bicrystals and tricrystals of Bi_{1-x}Sb_x (x≤0.2) alloys

Muntyanu Fiodor M.. Gilewski Andrzej. Nenkov Konstantin A.. Zaleski Andrzej Janusz. Chistol Vitalie

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2010 - 1

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Kondrya Elena. Gilewski Andrzej

Low Temperature Physics

Nr. / 2010 / ISSN 1063-777X

Disponibil online 25 August, 2023. Descarcări-0. Vizualizări-123

2009 - 3

Observation of three-dimensional behavior in surface states of bismuth nanowires and the evidence for bulk-Bi surface quasiparticles

Huber Tito. Nikolaeva Albina. Konopko Leonid. Graf Michael J.

Physical Review B - Condensed Matter and Materials Physics

Nr. / 2009 / ISSN 1098-0121 / ISSN_e 1550-235X

Disponibil online 30 June, 2023. Descarcări-0. Vizualizări-154

Size effects in quantum single crystal bismuth wires in glass cover

Gitsu Dumitru. Huber Tito. Konopko Leonid. Nikolaeva Albina

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Nr. / 2009 / ISSN 1555-130X

Disponibil online 24 August, 2023. Descarcări-0. Vizualizări-157

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Quantum interference of surface states in bismuth nanowires probed by the Aharonov-Bohm oscillatory behavior of the magnetoresistance

Nikolaeva Albina. Gitsu Dumitru. Konopko Leonid. Graf Michael J.. Huber Tito

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Huber Tito. Nikolaeva Albina. Gitsu Dumitru. Konopko Leonid. Graf Michael J.

Journal of Applied Physics

Nr. / 2008 / ISSN 0021-8979 / ISSNe 1089-7550

Disponibil online 6 November, 2023. Descarcări-1. Vizualizări-139

2007 - 1

Fermi-surface rearrangement in Bi bicrystals with twisting superconducting crystallite interfaces

Muntyanu Fiodor M.. Gilewski Andrzej. Nenkov Konstantin A.. Zaleski Andrzej Janusz. Chistol Vitalie

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2006 - 1

Experimental magnetization evidence for two superconducting phases in Bi bicrystals with large crystallite disorientation angles

Muntyanu Fiodor M.. Gilewski Andrzej. Nenkov Konstantin A.. Warchulska Jolanta K.. Zaleski Andrzej Janusz

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Nr. / 2006 / ISSN 1098-0121 / ISSNe 1550-235X

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2005 - 1

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Gitsu Dumitru. Konopko Leonid. Nikolaeva Albina. Huber Tito

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2003 - 1

Longitudinal magnetoresistance in single crystal wires of pure and doped bismuth in wide range of diameters

Gitsu Dumitru. Huber Tito. Konopko Leonid. Nikolaeva Albina

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Nr. / 2003 / ISSN 0031-8965 / ISSNe 1521-396X

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