

4. Articole în reviste de peste hotare

4.2. Articole în reviste din Scopus - 8

Teze/Rezumate în culegeri - 9.

## **2020 - 1**

### **Influence of the pronounced degree of imperfection on the superconductivity, weak magnetism, and quantum transport of crystallite structures with one or more nano-width multilayer interfaces of Bi<sub>1-x</sub>Sb<sub>x</sub> (0.07 ≤ x ≤ 0.2) alloys**

*Muntyanu Fiodor M.<sup>1</sup>, Gilewski Andrzej<sup>2</sup>, Nenkov Konstantin A.<sup>3</sup>, Zaleski Andrzej Janusz<sup>4</sup>, Chistol Vitalie<sup>5</sup>*

<sup>1</sup> Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu",

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<sup>3</sup> Leibniz Institute for Solid State and Materials Research, Dresden,

<sup>4</sup> Institute of Low Temperatures and Structural Research, PAS,

<sup>5</sup> Technical University of Moldova

### **Physica B: Condensed Matter**

Vol. 592, / 2020 / ISSN - / ISSN-e 0921-4526

Disponibil online 2 June, 2020. Descarcări-0. Vizualizări-810

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## **2019 - 1**

### **Evolution of superconductivity and weak magnetism in inclination interfaces of Bi, Sb and Bi<sub>1-x</sub>Sb<sub>x</sub> (0.07 ≤ x ≤ 0.2) alloys**

*Muntyanu Fiodor M.<sup>1</sup>, Nenkov Konstantin A.<sup>2</sup>, Zaleski Andrzej Janusz<sup>3</sup>, Muntean (Slobodeanu) Neli<sup>4</sup>, Chistol Vitalie<sup>5</sup>*

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### **Solid State Communications**

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Disponibil online 2 July, 2019. Descarcări-0. Vizualizări-730

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## **2017 - 1**

### **Coexistence of superconductivity and weak ferromagnetism at the interface of twisting bicrystals of 3D topological insulator Bi<sub>1-x</sub>Sb<sub>x</sub> (0.07 < x < 0.2)**

*Muntyanu Fiodor M.<sup>1,2</sup>, Gilewski Andrzej<sup>2</sup>, Zaleski Andrzej Janusz<sup>3</sup>, Chistol Vitalie<sup>4</sup>, Rogacki Krzysztof<sup>3</sup>*

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<sup>4</sup> Technical University of Moldova

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

Nr. 24(381) / 2017 / ISSN 0375-9601

Disponibil online 19 February, 2018. Descarcări-0. Vizualizări-690

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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.<sup>1,2</sup>, Gilewski Andrzej<sup>3,4</sup>, Nenkov Konstantin A.<sup>3,5</sup>, Zaleski Andrzej Janusz<sup>6</sup>, Palewski Tomasz<sup>2</sup>, Chistol Vitalie<sup>7</sup>

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<sup>3</sup> Laboratory of High Magnetic Field and the Low Temperature,

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#### Solid State Communications

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Disponibil online 14 November, 2023. Descarcări-0. Vizualizări-126

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### 2011 - 1

#### Magnetic properties and superconductivity of nano-width crystallite interfaces of bicrystals and tricrystals of Bi<sub>1-x</sub>Sb<sub>x</sub> (x≤0.2) alloys

Muntyanu Fiodor M.<sup>1,2</sup>, Gilewski Andrzej<sup>2,3</sup>, Nenkov Konstantin A.<sup>2,4</sup>, Zaleski Andrzej Janusz<sup>5</sup>, Chistol Vitalie<sup>6</sup>

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#### Physica Status Solidi (B) Basic Research

Vol. 248, / 2011 / ISSN 0370-1972

Disponibil online 15 September, 2023. Descarcări-0. Vizualizări-189

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### 2008 - 1

#### Superconducting crystallite interfaces with T<sub>c</sub> up to 21 K in Bi and Bi-Sb bicrystals of inclination type

Muntyanu Fiodor M.<sup>1,2</sup>, Gilewski Andrzej<sup>2</sup>, Nenkov Konstantin A.<sup>2,3</sup>, Zaleski Andrzej Janusz<sup>4</sup>, Chistol Vitalie<sup>5</sup>

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#### Solid State Communications

## 2007 - 1

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

*Muntyanu Fiodor M.<sup>12</sup>, Gilewski Andrzej<sup>23</sup>, Nenkov Konstantin A.<sup>23</sup>, Zaleski Andrzej Janusz<sup>4</sup>, Chistol Vitalie<sup>5</sup>*

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### **Physical Review B - Condensed Matter and Materials Physics**

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## 2006 - 1

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

*Muntyanu Fiodor M.<sup>12</sup>, Gilewski Andrzej<sup>23</sup>, Nenkov Konstantin A.<sup>24</sup>, Warchulska Jolanta K.<sup>2</sup>, Zaleski Andrzej Janusz<sup>5</sup>*

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### **Physical Review B - Condensed Matter and Materials Physics**

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