

Ведущая организация:

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Публикации:

1. E A Plekhanov, A L Tchougréeff, and A V Kolobov, A remarkable match of optical response in the amorphous-crystalline and zinc blende-rock salt phase pairs of GeTe, J. Phys.: Condens. Matter 37, 095401 (2025).
2. Gerega V.A., Suslov A.V., Grabov V.M., Komarov V.A., Kolobov A.V., EFFECT OF SURFACE STATES AND IN-PLANE DEFORMATION ON TRANSPORT PROPERTIES OF CHARGE CARRIERS IN BISMUTH FILMS, APPLIED SURFACE SCIENCE 665, 160275 (2024).
3. Gerega V., Suslov A., Stepanov R., Komarov V., Grabov V., Kuznetsov V., Kolobov A., EFFECT OF UNIAXIAL DEFORMATION ALONG THE TRIGONAL AXIS ON THE BAND STRUCTURE OF BULK BISMUTH, EUROPEAN PHYSICAL JOURNAL PLUS 138, 773 (2023).
4. Грабов В.М., Урюпин О.Н., ВЛИЯНИЕ ДЕНДРИТНОЙ НЕОДНОРОДНОСТИ НА ТЕРМОЭЛЕКТРИЧЕСКИЕ СВОЙСТВА КРИСТАЛЛОВ  $\text{Bi}_{0.88}\text{Sb}_{0.12}$ , Физика и техника полупроводников 56, 145 (2022).
5. Sidorov A. V., Grabov V. M., Zaitsev. A.A., Kuznetsov D.V., INFLUENCE OF THE IONIC SUBSYSTEM ON THE THERMOELECTRIC EFFECT IN COLLOIDAL SOLUTIONS, Semiconductors 56, 146 (2022).
6. Demidov E. V., Grabov V. M., Komarov V.A., Krushelnitskii A.N., Suslov A.V., Suslov M.V., Specific Features of the Quantum-Size Effect in Transport Phenomena in Bismuth-Thin Films on Mica Substrates // Semiconductors. — 2019. — Volume 53, Issue 6. — P. 727-731. DOI: 10.1134/S1063782619060046.
7. Suslov A. V., Grabov V. M., Komarov V. A., Demidov E. V., Senkevich S. V., Suslov M. V. The Band-Structure Parameters of  $\text{Bi}_{1-x}\text{Sb}_x$  (0 x 0,15) Thin Films on Substrates with Different Thermal-Expansion Coefficients // Semiconductors. — 2019. — Volume 53, issue 5. — P. 611-614. DOI: 10.1134/S1063782619050269
8. Komarov V. A., Grabov V. M., Suslov A. V., Kablukova N. S., Suslov M. V. The Hall and Seebeck Effects in Bismuth Thin Films on Mica Substrates in the Temperature Range of 77–300 K // Semiconductors. — 2019. — Volume 53, issue 5. — P. 593-598. DOI: 10.1134/S1063782619050105.
9. Suslov M. V., Grabov V. M., Komarov V. A., Demidov E. V., Senkevich S. V., Suslov A. V. The Thermoelectric Power of  $\text{Bi}_{1-x}\text{Sb}_x$  Films (0 x 0,15) on Mica and Polyimide Substrates in the Temperature Range of 77-300 K // Semiconductors. — 2019. — Volume 53, issue 5. — P. 589-592. DOI: 10.1134/S1063782619050257.
10. Grabov V. M., Komarov V. A., Demidov E. V., Suslov A. V., Suslov M. V. Galvanomagnetic Properties of  $\text{Bi}_{95}\text{Sb}_5$  Thin Films on Substrates with Different Thermal Expansions // Technical Physics Letters. — 2018. — Volume 44, Issue 6. — P. 487-490. DOI: 10.1134/S1063785018060056.

11. E. V. Demidov, V. M. Grabov, V. A. Komarov, N. S. Kablukova, A. N. Krushelnitskii. Topological Insulator State in Thin Bismuth Films Subjected to Plane Tensile Strain // Physics of the Solid State [Text]. — 2018. — Volume 60, Issue 3. — P. 457-460. DOI: 10.1134/S106378341803006X.

12. Bohegov V. I., Grabov V. M., Divin N. P., Parakhin A. S. Calculation and Experimental Check of the Speed of Thermal Flow Sensors Based on Borelius Anisotropic Thermoelements // Measurement Techniques — 2017. — Volume 60, issue 1. — P. 42-45. DOI: 10.1007/s11018-017-1147-x