

Poster session A: 13.09.21, 14:00 — 18:00

Thermoelectric devices

- A1 **Markov O.**: Contribution of the distributed Peltier effect to the efficiency of the thermoelectric cooler branch
- A2 **Pepelyaev D.V.**, Yakubov A.O., Terekhov D. Yu., Shtern M. Yu., Sherchenkov A.A.: The formation of electrodes for thin films of telluride containing compounds for thin films thermoelectric generators
- A3 **Voloshchuk I.A.**, Terekhov D. Yu., Shtern M.Yu., Sherchenkov A.A.: Fabrication of thermoelectric legs for flexible thermoelectric generators by screen printing
- A4 **Drabkin I.A.**, Erhsova L.B.: Hybrid Operating Modes of Thermoelectric Modules
- A5 Drabkin I.A., **Erhsova L.B.**: Thermoelectric Heat Transfer Intensifiers
- A6 **Rodionov A.V.**, Zaitsev A. A., Kuznetsov D.V., Sidorov A.V.: Thermoelectric battery based on thermoelectrokinetic effect
- A7 **Ivanov Y. V.**, Watanabe H., Chikumoto N., Yamaguchi S.: Advantage of gas-cooled Peltier current leads for superconducting devices
- A8 **Sidorenko N.**, Skipidarov S., Ivantsov M., Sorokin A., Bublik V., Dashevsky Z.: Development of segmented thermoelectric modules on the base of Bi₂Te₃ based compound
- A9 **Sattar S.**, Osipkov A., Belyaev V.: Characterizing Segmented Thermoelectric Generator Parameters depending on Thermo-mechanical stresses

Nanostructured and nanocomposite thermoelectrics

- A10 **Vasil'ev A.E.**, Ivanov O.N., Yaprntsev M.N: Grain size effect on the thermoelectric properties of the grained compounds based on bismuth telluride
- A11 **Gahramanov K.Sh.**, Abdullaev N.A., Gahramanov S.Sh., Jafarli K.M.: Influence of impurity type on forms of interlayer nanostructures in bismuth chalcogenides.
- A12 **Zhezhu M.V.**, Ivanov O.N., Yaprntsev M.N., Vasil'ev A.E.: Thermoelectric composites based on Bi₂Te₃(matrix) and magnetoactive filler (Ni,Co)
- A13 **Samunun A.Yu.**, Lukyanova L.N., Shabaldin A.A., Usov O.A.: Effective mass, charge carrier mobility, and lattice thermal conductivity in nanocomposite thermoelectrics based on bismuth and antimony chalcogenides.
- A14 **Yapryntseva E.**, Vasil'ev A., Yaprntsev M., Ivanov O.: Features of microstructure and thermoelectric properties of the medium-entropy BiSbTe_{1.5}Se_{1.5} and PbSbTeSe
- A15 Grabov V.M., **Uryupin O.N.**: Influence of Inhomogeneity on Thermoelectric Properties of Bi-Sb Crystals

Thin films

- A16 **Makarova E.S.**, Novotelnova A.V.: Investigation of the thermophysical properties of thin-film samples by the laser flash method
- A17 **Sedinin A.D.**, Tkhorzhevskiy I.L., Tukmakova A.S., Makarova E.S., Khodzitsky M.K., Novotelnova A.V., Kablukova N.S., Zaitsev A.D., Novoselov M.G., Demchenko P.S.: Frequency selective surface based on thermoelectric BiSb thin films
- A18 Lukyanova L. N., **Usov O.A.**, Volkov M.P.: Galvanomagnetic properties in anisotropic layered films based on bismuth chalcogenides
- A19 **Gerega V.A.**, Suslov A.V., Grabov V.M., Komarov V.A., Kolobov A.V.: Galvanomagnetic properties and thermoelectric power of ultrathin films of the bismuth-antimony system on a mica substrate
- A20 **Suslov A. V.**, Grabov V. M., Gerega V. A., Komarov V. A.: Galvanomagnetic properties of Bismuth-Antimony thin films under planar tensile strain
- A21 **Klechkovskaya V.V.**, Orekhov A.S., Kamilov T.S.: Texture analysis of higher manganese silicide thin films grown on (111) silicon
- A22 **Kuznetsov Yu.M.**, Dorokhin M.V., Boldin M.S., Demina P.B., Erofeeva I.V., Zdroveyshchev A.V.,.: Investigation of thermoelectric properties of thin film nanostructures MnSi
- A23 Efimov D.D., **Komarov V.A.**: Block and single-crystal films of bismuth-antimony alloy 3-12 at.% with a underlayer of antimony
- A24 Novikov S.V., **Kuznetsova V.S.**, Burkov A.T., Novitsky A.P., Karpenkov D.Yu., Kurichenko V.L. Thermoelectric properties of CoSi meltspun ribbons