

CONTENTS

Materials Research

- G.P. Gaidar, P.I. Baranskii.* Effect of thermal treatment on drag Seebeck coefficient anisotropy parameter of transmutation-doped silicon crystals 5
- A. Nikolaeva, L. Konopko, T. Huber, P. Bodiul, I. Popov, E. Moloshnik, I. Gergishan.* 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 13
- A.N. Doroshenko, E.I. Rogacheva, A.A. Drozdova, K.V. Martynova, Yu.V. Men'shov.* Thermoelectric properties of polycrystalline $Bi_{1-x}Sb_x$ solid solutions in the concentration range $x = 0 - 0.25$ 23
- F.F. Aliev, E.R. Yuzbashov, A.B. Maharramov, U.M. Agayeva, M.M. Zarbaliev, B.A. Veliyeva.* Thermoelectric figure of merit of $TlIn_{1-x}Yb_xTe_2$ ($0 \leq x \leq 0.10$) 37
- V.A. Romaka, L.P. Romaka, Yu.V. Stadnyk, V.Ya. Krayovskyy, V.V. Romaka, A.M. Horyn.* Research on electrical conductivity mechanisms of thermoelectric material based on n - $ZrNiSn$ doped with Ga 44

Technology

- V.P. Shafranyuk.* Study of damaged layer depth in thermoelectric materials by X-ray diffraction interferometry 59

Design

- R.R. Kobylanskyi.* Computer simulation of medical-purpose thermoelectric sensor readings 67
- A.V. Prybyla.* Thermoelectric conditioner with uniformly distributed modules for a human 75

Thermoelectric products

- L.I. Anatychuk, V.Ya. Mykhailovsky, M.V. Maksimuk, I.S. Andrusiak.* Experimental research on thermoelectric automobile starting pre-heater operated with diesel fuel 81

