

Physical properties and material science of thermoelectrics

B1	T. Nakama, J. Ohta, M. Hedo, Yu.V. Ivanov, D.A. Pshenay-Severin, and A.T. Burkov: Thermopower and Electrical resistivity of a "New Fermion" $\text{Co}_{1-x}\text{Fe}_x\text{Si}$ alloys in magnetic field
B2	E.C. Stefanaki, G.S. Polymeris, E. Hatzikraniotis, Th. Kyratsi, K.M. Paraskevopoulos: Effective Medium modeling in $\text{Mg}_2(\text{Si},\text{Sn})$ multiphase thermoelectric materials
B3	Yu.V. Ivanov: Thermoelectric power of Luttinger liquid
B4	L.V. Prokofieva, P.P. Konstantinov, A.A. Shabaldin, N.V. Zaitseva, A.T. Burkov, D.A. Pshenay-Severin: $\text{A}^{\text{IV}}\text{B}^{\text{VI}}$ thermoelectrics in further research of scientific and applied problems
B5	A.S. Antonov, S.V. Novikov, D.A. Pshenay-Severin, A.T. Burkov: Thermoelectric properties of cobalt monosilicide and alloys based on it
B6	R. Sharif, J. Duchoslav, H. Yin, K. Hingerl, K.H. Gresslehner , G. Hendorfer: Determination of the dielectric function of polycrystalline p-type ZnSb by spectroscopic ellipsometry
B7	A.Yu. Ovchinnikov, P.P. Konstantinov, D.A. Pshenay-Severin, A.T. Burkov: Galvanomagnetic properties of cobalt monosilicide and compounds based on it
B8	F.Yu. Solomkin, S.V. Novikov, G.N. Isachenko, N.V. Zaitseva, N.V. Sharenkova, A.Yu. Samunin, A.S. Orekhov, V.V. Klechkovskaya, A.T. Burkov: The structure and thermoelectric properties of CoSi obtained from a supersaturated solution-melt of Sn
B9	G.N. Kozhemyakin, Yu.S. Belov, A.N. Paraschenko: Microstructure of bismuth and antimony chalcogenides obtained by extrusion method
B10	M.N. Yaprntsev, A.E. Vasiliev, O.N. Ivanov: Annealing temperature effect on electrophysical properties of $\text{Bi}_{1.9}\text{Gd}_{0.1}\text{Te}_3$ compound
B11	V.A. Dudnikov, Yu.S. Orlov, S.Yu. Gavrilkin, A.T. Burkov, S.V. Novikov, L.A. Soloviev, S.N. Vereschagin, A.S. Fedorov, S.G. Ovchinnikov: Thermoelectric properties of transition metals complex oxides
B12	Yasseri M., Farahi N., Kelm K., Mueller E., de Boor J.: Rapid determination of local composition in inhomogeneous material systems from backscattered electron image contrast
B13	G.N. Isachenko, A.Yu. Samunin, P.P. Konstantinov, A.A. Kasyanov, A. Masalimov: Thermoelectric properties of n- $\text{Mg}_2(\text{SiGe})_{0.8}\text{Sn}_{0.2}$ solid solution
B14	L.D. Ivanova, Yu.V. Granatkina, A.G. Malchev, I.Yu. Nikhezina, M.V. Emelianov: Materials on the basis of bismuth and antimony tellurides received by rapid melt solidification methods
B15	L.D. Ivanova, Yu.V. Granatkina, A.G. Malchev, I.Yu. Nikhezina, M.V. Emelianov, D.C. Nikulin: Materials on the basis of bismuth chalcogenides n-type conductivity received by melt solidification in liquid
B16	Sajid Ahmad, Ajay Singh, Shovit Bhattacharya, Ranu Bhatt, Ranita Basu: Most abundant and low cost thermoelectric: PbS and $\text{Cu}_{x}\text{Pb}_{(1-x)}\text{S}$ alloys
B17	S.V. Porokhin: Morphology and thermoelectric properties of sodium cobaltite
B18	Castillo-Hernandez G., Yasseri M., Sottong R., de Boor J., Mueller E.: Challenges and opportunities in the mechanical characterization of thermoelectric materials: a case study on $\text{Mg}_2(\text{Si},\text{Sn})$
B19	Yu.A. Boikov, V.A. Danilov, N.S. Petrova: Functional boundaries in $(\text{Bi},\text{Sb})_2\text{Te}_3$ films
B20	A.B. Kalugina, D.Yu. Karpenko, A.P. Novitsky, A.I. Voronin, V.V. Khovailo: Investigation of the thermoelectric properties of the Heusler alloy of $\text{Fe}_{1.5}\text{TiSb}$
B21	G.N. Isachenko, A.Yu. Samunin, P.P. Konstantinov, S.A. Tsupka, K.L. Samusevich: Investigation of the thermoelectric properties $\text{Mg}_2\text{Si}_{0.2}\text{Sn}_{0.8}$ solid solutions doped with Ca and Sn
B22	D.S. Pankratova, A.P. Novitsky, I.A. Sergienko, A.T. Burkov, V.V. Khovaylo: Influence of Bi to La substitution on the thermoelectric properties of BiCuSeO oxyselenides
B23	A.E. Vasiliev, M.N. Yaprntsev, O.N. Ivanov, M.V. Zhezhu: Thermoelectric properties of $\text{Bi}_{1.9}\text{Lu}_{0.1}\text{Te}_{2.7}\text{Se}_{0.3}$
B24	I. Sergienko: Ultrafast synthesis of BiCuSeO oxyselenides by high-energy ball milling
B25	K. I. Litvinova: Thermoelectric properties of p-type skutterudites $\text{RFe}_3\text{CoSb}_12$ ($\text{R} = \text{Nd, Pr, Yb}$)
B26	A. I. Voronin: Optimization of ultrafast $\text{In}_x\text{Co}_4\text{Sb}_12$ skutterudites synthesis technique
B27	Hirayama N., Ochi M., Kuroki K.: Theoretical Study on the Fluorine Doping for Layered Thermoelectric Materials with LaOBiS_2 -type Structures
B28	Markov O.I.: Influence of the addition of gadolinium on thermoelectric properties of alloys bismuth-antimony