THERMOELECTRIC POWER OF INTERCALATION COMPOUNDS BASED ON STRUCTURALLY DIFFERENT CARBON MATERIALS

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S u m m a r y

We present the results of investigation of thermoelectric power in intercalation compounds based on structurally different carbon materials. Diffusion and phonon drag contributions to thermoelectric power are carried out with regard for the temperature dependence of relaxation time for various mechanisms of scattering of charge carriers and phonons. It is shown that the relative contribution of the diffusion and phonon components of thermoelectric power is determined by a crystalline structure of the initial graphite.