

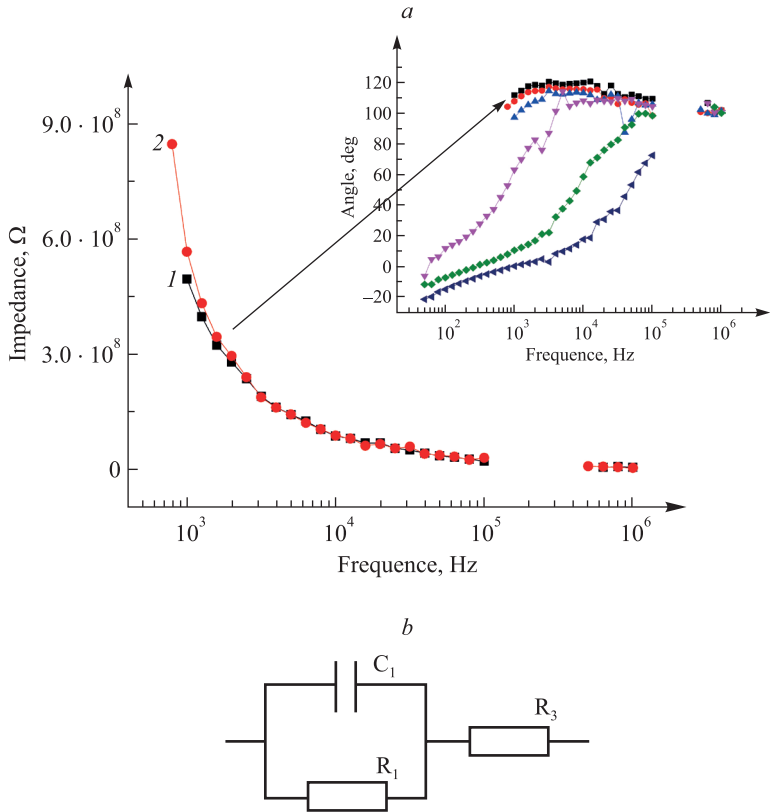


Fig. 4. Hyperbolic $Z(f)$ dependences of impedance of the $(\text{Fe}_{0.45}\text{Co}_{0.45}\text{Zr}_{0.10})_{0.52}(\text{PZT})_{0.48}$ nanogranular composite film ($1 - T = 80$ K, $2 - T = 123$ K), deposited at $P_{\text{O}_2} = 3.0$ mPa after annealing at $T_{\text{an}} = 573$ K (a) and the corresponding EC with one parallel RC-circuit (b). The inset shows the frequency dependences of the phase shift angle $\theta(f)$ in the 80–303 K temperature range