

Dielectric and ferroelectric properties of the mixed crystals system (C₃NH₃)₅Bi₂Cl_{11(1-x)}Br_{11x}.

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Streszczenie

Dielectric and pyroelectric properties of the mixed crystals system, (CH₃NH₃)₅Bi₂Cl_{11x} (0 < x < 1), were systematically investigated. Temperature dependence of ξ_c in the vicinity of ferro-paraelectric phase transition was measured for the crystals with x = 0.91, 0.44, 0.27 0.05 in the frequency region 1 kHz-1 MHz. The substitution of bromine atoms by chlorine ones and vice versa, drastically reduces the magnitude of ξ_c at T_c but does not influence on the temperature behaviour of the spontaneous polarization.

Adres publiczny

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