Supplementary material



Fig. S1. SEM micrographs of $\text{Bi}_2\text{Mg}_{1-x}\text{Cr}_x\text{Ta}_2\text{O}_{9.5-\Delta}$ ceramics at $x = 0.7 \div 0.3$ in the mode of secondary and elastically reflected electrons.



Fig. S2. (Color online) EDS spectrums and microphotographs of the $Bi_2Mg_{1-x}Cr_xTa_2O_{9.5-\Delta}$ for x = 0.3, 0.5, 0.7.

Bi

Mg

Total

M Series

K Series

10.40

2.02

100.00



Fig. S3. Frequency dependences of the impedance modulus and phase angle for calcined samples $Bi_2Mg_{1-x}Cr_xTa_2O_{9.5-A}$.