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Abstract
In this thesis, the influence of co-doped of donor dopant Nb5+ and acceptor dopant Fe3+ on the dielectric properties of BaTiO3 ceramics was discussed. The dielectric constant of sintered ceramics increases with the increasing of sintering temperature. For constant Nb2O5 doping amount, the dielectric constant decreases with the increasing of Fe2O3 doping amount, but for constant Fe2O3 doping amount, the dielectric constant increases with the increasing of Nb2O5 doping amount.
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