Accepted Manuscript

Sintering characteristics and microwave dielectric properties of $0.5Ca_{0.6}La_{0.267}TiO_3$-$0.5Ca(Mg_{1/3}Nb_{2/3})O_3$ ceramics prepared by reaction-sintering process

Jiamao Li, Peng Xu, Tai Qiu, Lichun Yao

PII: S1002-0721(17)30202-8

DOI: 10.1016/j.jre.2017.10.004

Reference: JRE 102

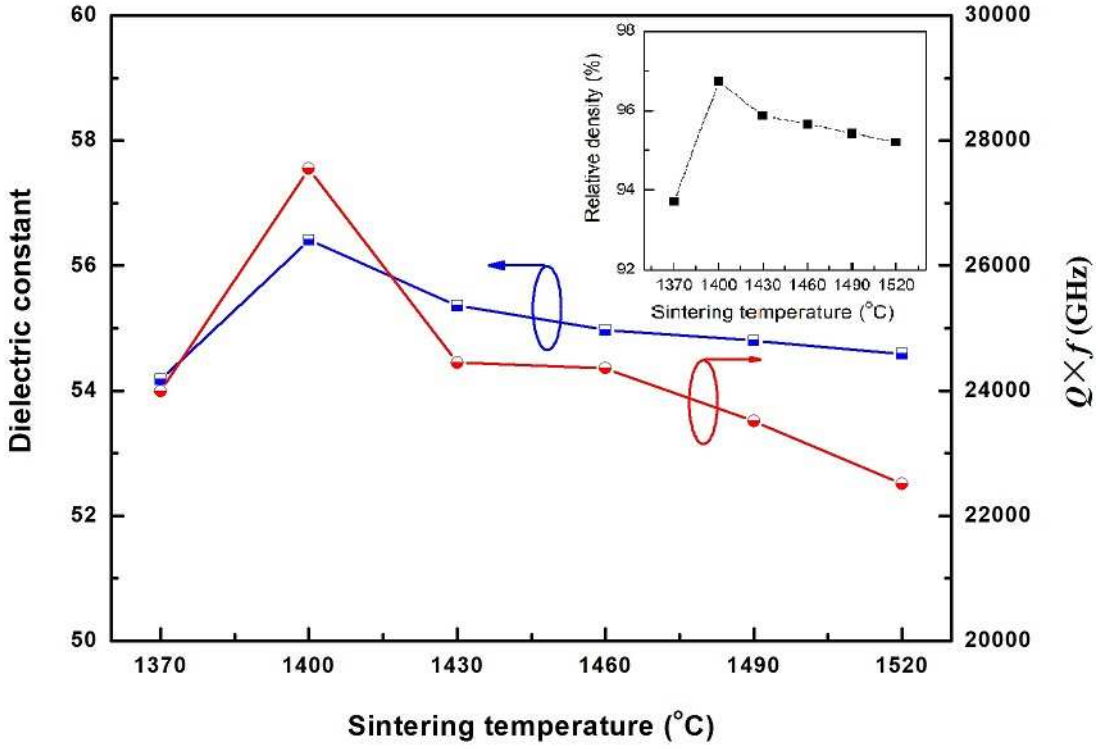
To appear in: *Journal of Rare Earths*

Received Date: 11 May 2017

Revised Date: 22 October 2017

Accepted Date: 23 October 2017

Please cite this article as: Li J, Xu P, Qiu T, Yao L, Sintering characteristics and microwave dielectric properties of $0.5Ca_{0.6}La_{0.267}TiO_3$-$0.5Ca(Mg_{1/3}Nb_{2/3})O_3$ ceramics prepared by reaction-sintering process, *Journal of Rare Earths* (2018), doi: 10.1016/j.jre.2017.10.004.



$0.5Ca_{0.6}La_{0.267}TiO_3$-$0.5Ca(Mg_{1/3}Nb_{2/3})O_3$ ceramics were successfully prepared by a reaction-sintering process. Fine microwave dielectric properties of ε_r = 56.4, $Q \times f$ = 48550 GHz and τ_f = +8.7 ppm/°C for 5CLT-5CMN ceramics with high density sintered at 1400 °C for 4 h were obtained.