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Education Background

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2007	B.Sc. (Physics), Naresuan University, Thailand

Publication

Rattiphorn Sumang, NaratipVittayakorn and Theerachai Bongkarn. (2013). Crystal structure,microstructure and electricalpro perties of $(1\text{-}x\text{-}y)Bi_{0.5}Na_{0.5}TiO_3–xBi_{0.5}K_{0.5}TiO_3 –yBiFeO_3$ ceramics near MPB prepared via the combustion technique. **Ceramics International**, 39, S409-S413.

Rattiphorn Sumang and Theerachai Bongkarn. (2013). Effect of Calcination Temperature and Content of x and y on Crystal Structure and Microstructure of $(1\text{-}x\text{-}y)Bi_{0.5}Na_{0.5}TiO_3 –xBi_{0.5}K_{0.5}TiO_3 –yBiFeO_3$ Powders near MPB Prepared via the Combustion Technique. **Integrated ferroelectrics**, 148, 73-80.

Rattiphorn Sumang and Theerachai Bongkarn. (2013). Influence of Firing Temperatures on Crystal Structure and Microstructure of $LiNbO_3$ Ceramics. **Integrated ferroelectrics**, 149, 1-8.

Rattiphorn Sumang and Theerachai Bongkarn. (2013). The Effect of Excess PbO on Crystal Structure, Microstructure and Dielectric Properties of $(Pb_{0.50}Sr_{0.50})TiO_3$ Ceramics. **Ferroelectrics**, 456, 98-106.

Rattiphorn Sumang and Theerachai Bongkarn. (2013). The influence of firing temperatures on the crystal structure, microstructure and dielectric properties of $0.79Bi_{0.5}Na_{0.5}TiO_3$ -$0.18Bi_{0.5}K_{0.5}TiO_3$ - $0.03BiFeO_3$ ceramics prepared via the combustion technique. **Ferroelectrics**, 454, 152-161.

Rattiphorn Sumang and Theerachai Bongkarn. (2010). The Effect of Calcination Temperatures on the Phase Formation and Microstructure of $(Pb_{1-x}Sr_x)TiO_3$ Powders. *Key* **Engineering Materials**, 421, 243-246.

Rattiphorn Sumang and Theerachai Bongkarn. (2010). The Effect of Excess PbO on Crystal Structure, Microstructure, Phase Transition and Dielectric Properties of $(Pb_{0.75}\ Sr_{0.25})TiO_3$ Ceramics. **Ferroelectrics**, 403, 57–64.

Rattiphorn Sumang and Theerachai Bongkarn. (2010). The influences of firing temperatures and excess PbO on the crystal structure and microstructure of $(Pb_{0.25}Sr_{0.75})TiO_3$ ceramics. **Journal Materials Science**, 46, 6823–6829.

Rattiphorn Sumang and Theerachai Bongkarn. (2009). Effect of Sintering Temperature on the Crystal Structure, Microstructure and Phase Transition of $(Pb_{1-x}Sr_x)TiO_3$ Ceramics. **Functional Material Latter**, 2, 193–197.

Rattiphorn Sumang and Theerachai Bongkarn. (2009). Phase Formation, Microstructure and Phase Transition of Lead Barium Titanate Ceramics: Effect of PbO Content. **Ferroelectrics**, 383, 57–64.

Rattiphorn Sumang and Theerachai Bongkarn. (2008). The Effect of Excess PbO on Crystal Structure and Microstructure of $(Pb_{0.925}Ba_{0.075})TiO_3$ Ceramics. **Advanced Materials Research**, 55, 177-180.

Oral Presentations

1-5 July, 2012	Presented in the topic of "Crystal structure, microstructure and electricalpro perties of $(1-x-y)Bi_{0.5}Na_{0.5}TiO_3–xBi_{0.5}K_{0.5}TiO_3 –yBiFeO_3$ ceramics near MPB prepared via the combustion technique" 8th Asian Meeting on Electroceramics (AMEC-8), Penang, Malaysia.
15-18 June, 2009	Presented in the topic of "Effect of Firing Temperature on the Crystal Structure, Microstructure and Phase Transition of $(Pb_xSr_{1-x})TiO_3$ Ceramics" International Symposium on Functional Materials(ISFM 2009), Jinju, Korea.

Poster Presentations

9 - 14 December, 2012	Presented in the topic of "The influence of firing temperatures on the crystal structure, microstructure and dielectric properties of $0.79Bi_{0.5}Na_{0.5}TiO_3$-$0.18Bi_{0.5}K_{0.5}TiO_3$-$0.03BiFeO_3$ ceramics prepared via the combustion technique" in 8th Asian Meeting on Ferroelectrics (AMF8) Pattaya, Thailand.
9 - 14 December, 2012	Presented in the topic of "Effect of x and y content on crystal structure and microstructure of $(1-x-y)Bi_{0.5}Na_{0.5}TiO_3–xBi_{0.5}K_{0.5}TiO_3–yBiFeO_3$ powders near MPB prepared via the combustion technique" in Workshop INAMM Pattaya, Thailand.
5-7 January, 2011	Presented in the topic of "The Influence of Firing Temperatures on the Microstructure and Phase Formation of Lead Calcium Zirconate Ceramics" in 28th Microscopy Society of Thailand, Chiang Rai, Thailand.

23 - 27 August, 2009	Presented in the topic of "Effect of Excess PbO on Crystal Structure, Microstructure and Phase Trasition of $(Pb_{0.75}Sr_{0.25})TiO_3$ Ceramics" in A joint meeting of 12th International Meeting on Ferroelectricity and 18th IEEE International Symposium on Applications of Ferroelectrics (IMF-ISAF-2009), Xian, China.
2 - 6 August, 2008	Presented in the topic of "Phase Formation, Microstructure and Phase Transition of Lead Barium Titanate Ceramics: Effect of PbO Content" in 6th Asian Meeting on Ferroelectrics (AMF-6), Taiwan, China.
22 - 25 April, 2008	Presented in the topic of "The Effect of Excess PbO on Crystal Structure and Microstructure of $(Pb_{0.925}Ba_{0.075})TiO_3$ Ceramics" in SMARTMAT-'08 & IWOFM-2, Chiang Mai, Thailand.

Awards

30 July, 2010	The excellent thesis award of the master student in Year 2010 that received from the graduate school, Naresuan University.
1 June, 2010	Received the scholarship of the royal golden Jubilee Ph.D.Program for the Ph.D. degree
25 July, 2008	The TRF-master research grants (WINDOW II) of Year 2010
14 June, 2008	Received the award for academic excellent
4 June, 2008	Distinguished student in extracurricular activities of academic year 2007.
	Distinguished student in behavioral performance of academic year 2007.