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Publications in International Journals

2008

1. R. Yimnirun, **N. Wongdamnern**, N. Triamnak, M. Unruan, A. Ngamjarurojana, S. Ananta, and Y. Laosiritaworn, "Stress-Dependent Scaling Behavior of Sub-Coercive Field Dynamic Ferroelectric Hysteresis in $Pb(Zn_{1/3}Nb_{2/3})O_3$-Modified $Pb(Zr_{1/2}Ti_{1/2})O_3$ Ceramic" *J. Appl. Phys.*, **103**, 086105-1-3 (2008).
2. R. Yimnirun, **N. Wongdamnern**, N. Triamnak, M. Unruan, A. Ngamjarurojana, S. Ananta, and Y. Laosiritaworn, "Stress-Dependent Scaling Behavior of Sub-Coercive Field Dynamic Ferroelectric Hysteresis in $0.4Pb(Zn_{1/3}Nb_{2/3})O_3$-$0.6Pb(Zr_{1/2}Ti_{1/2})O_3$ Ceramic" *J. Phys.*: *Condens. Matter.*, **20**, 415202 (2008).
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4. R. Yimnirun, **N. Wongdamnern**, N. Triamnak, M. Unruan, A. Ngamjarurojana, S. Ananta, and Y. Laosiritaworn, "Stress-Dependent Scaling Behavior of Sub-Coercive Field Dynamic Ferroelectric Hysteresis in $0.5Pb(Zn_{1/3}Nb_{2/3})O_3$-$0.5Pb(Zr_{1/2}Ti_{1/2})O_3$ Ceramic" *J. Appl. Phys.*, **104**, 104103-1-4 (2008).

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5. **N. Wongdamnern**, A. Ngamjarurojana, Y. Laosiritaworn, S. Ananta, and R. Yimnirun, "Dynamic Ferroelectric Hysteresis Scaling in $BaTiO_3$ Single Crystals" *J. Appl. Phys.*, **105**, 044109 (2009).
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7. **N. Wongdamnern**, N. Triamnak, M. Unruan, A. Ngamjarurojana, S. Ananta, Y. Laosiritaworn, and R. Yimnirun, "Sub-Coercive Field Dynamic Hysteresis in Morphotropic Phase Boundary Composition of $Pb(Zn_{1/3}Nb_{2/3})O_3$-$Pb(Zr_{1/2}Ti_{1/2})O_3$ Ceramic and Its Scaling Behavior" *Phys. Lett. A*, **374**, 391-395 (2010).
8. **N. Wongdamnern**, J. Tangsritragul, A. Ngamjarurojana, S. Ananta, Y. Laosiritaworn, and R. Yimnirun, "Hysteresis Scaling Relations in Polycrystalline $BaTiO_3$ Bulk Ceramics" *Mater. Chem. Phys*., **124**, 281-286, (2010).

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1. **Natthapong Wongdamnern**, Athipong Ngamjarurojana, Supon Ananta,Yongyut Laosiritaworn and Rattikorn Yimnirun "Dynamic Hysteresis Scaling in $BaTiO_3$ Bulk Ceramics" *Keys Engineering Materials*, **421-422**, 399-402 (2010).

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Oral Presentations

1. **Natthapong Wongdamnern**, Athipong Ngamjarurojana, Supon Ananta,Yongyut Laosiritaworn and Rattikorn Yimnirun, "Dynamic Hysteresis Scaling in $BaTiO_3$ Bulk Ceramics" AMEC-6, Tsukuba, Japan (October 2008).

Poster Presentations

1. **N. Wongdamnern**, Y. Laosiritaworn, A. Ngamjarurojana, S. Ananta, and R. Yimnirun, "Stress-Dependent Scaling Behavior of PZT-PZN Ceramics Under Sub-Coercive Field Condition" *The 6th Asian Meeting of Ferroelectrics (AMF-6)*, Taiwan (August 2008).
2. **N. Wongdamnern**, T. Sareein, A. Ngamjarurojana, S. Ananta, Y. Laosiritaworn, and R. Yimnirun, "Ferroelectric Hysteresis Scaling Behavior of Lead-Free $Bi_{0.5}Na_{0.5}TiO_3$ Bulk Ceramics under Sub-coercive Field Condition" *Materials Science & Technology 2009 Conference & Exhibition (MS&T'09)* David L. Lawrence Convention Center, Pittsburgh, Pennsylvania, USA (October 2009).
3. **N. Wongdamnern**, S. Jiansirisomboon, A. Watcharapasorn, A. Ngamjarurojana, S. Ananta, Y. Laosiritaworn, and R. Yimnirun, "Comparative Studies of Differently Signal Application on Dynamic Hysteresis Behavior in PMN-PT Single Crystals*" Electronic Materials and Applications 2010 (EMA 2010)*, Royal Plaza in the Walt Disney World Resort, Orlando, Florida, USA (January 2010).