

เอกสารอ้างอิง

ตัวเก็บประจุหลายชั้น [ออนไลน์] ม.ป.ป. [อ้างเมื่อ 28 พค. 2550]. จาก

http://www.global-b2bnetwork.com/direct/dbimage/50147090/MLCC_Radial_Capacitors.jpg
ทราบสติวเซอร์ในอุปกรณ์อัลตราโซนิก [ออนไลน์] ม.ป.ป. [อ้างเมื่อ 28 พค. 2550]. จาก

<http://www.material.chula.ac.th/RADIO44/march/radio3-3.htm>
ทราบสติวเซอร์ [ออนไลน์] ม.ป.ป. [อ้างเมื่อ 28 พค. 2550]. จาก

http://www.gyte.edu.tr/ebulten/sayi9/makale1_dosyalar/image024.gif
ว่านทางจะระเข้า [ออนไลน์] ม.ป.ป. [อ้างเมื่อ 22 พย. 2549]. จาก

<http://www.thaigoodview.com/library/studentshow/st2545/5-4/no05/index.html>
อุปกรณ์ที่ใช้ในวงจรอิเล็กทรอนิกส์ [ออนไลน์] ม.ป.ป. [อ้างเมื่อ 28 พค. 2550]. จาก

<http://www.dpic.com/comms/i-modul-modem.jpg>
Transmission Electron Microscope and Scanning Electron Microscope. [online] n.d. [cited 28 March 2007]. Available from: <http://www.bloggang.com/viewdiary.php?id=bite25&group=14>

Chemical Characterization of the Immunomodulating Polysaccharide of Aloe Vera L. [online] n.d. [cited 13 May 2007]. Available from: <http://www.jasc.org/AloeStructure080604.pdf>

ประสิทธิ์ ทองใบ. สมบัติทางไดอิเล็กตริกของนาโนคอมโพลิต $\text{CaCu}_3\text{Ti}_4\text{O}_{12} - \text{Li}_{0.3}\text{Ti}_{0.02}\text{Ni}_{0.68}\text{O}$.

วิทยานิพนธ์ปริญญาวิทยาศาสตร์มหาบัณฑิต สาขาวิชาฟิสิกส์. ขอนแก่น: บัณฑิตวิทยาลัย
มหาวิทยาลัยขอนแก่น; 2549.

รัตติกร ยั่มนิรถุ. ผลของความพรุนต่อสมบัติทางไฟฟ้าของแบตเตอรี่เซรามิกส์ที่เจือด้วยสาร
ติสโพเรซีม [วิทยานิพนธ์ปริญญาวิทยาศาสตร์มหาบัณฑิต สาขาวิชาฟิสิกส์]. เชียงใหม่:
บัณฑิตวิทยาลัย มหาวิทยาลัยเชียงใหม่; 2536.

_____. เอกสารประกอบการสอนรายวิชา ว.วศ. 210404 การประยุกต์ของวัสดุด้านไฟฟ้า
[ม.ป.ท. : ม.ป.พ]; 2546.

_____. สมบัติทางไฟฟ้าของเซรามิกเฟริโรอิเล็กต clue [ม.ป.ท. : ม.ป.พ]; 2549.

Ang C., Yu Z., Jing Z., Guo R., Bhalla A. S. and Cross L. E. Piezoelectric and electrostrictive strain
behavior of Ce-doped BaTiO_3 ceramics. **Applied Physics Letters** 2002; 80: 3424–3426.

Anunziata O., Beltramone A. R., Juric Z., Pierella L. B. and Requejo F. G. Fe-containing ZSM-11
zeolites as active catalyst for SCR of NOx part I. Synthesis, characterization by XRD, BET
and FTIR and catalytic properties. **Applied Catalysis A: General** 2004; (264): 93–101.

Boulos M., Guillemet-Fritsch S., Durand B., Lebey T. and Bley V. Hydrothermal synthesis of
nanosized BaTiO_3 powders and dielectric properties of corresponding ceramics. **Solid State
Ionics** 2005; (176): 1301–1309.

Brzozowski E. and Castro M. S. Grain growth control in Nb-doped BaTiO_3 . **Journal of Materials
Processing Technology** 2005; (168): 464–470.

- Buscaglia V., Buscaglia M. T., Viviani M., Mitoseriu L., Nanni P., Trefiletti V., Piaggio P., Gregora I., Ostapchuk T., Pokorny J. and Petzelt. Grain size and grain boundary-related effect on the properties of nanocrystalline barium titanate ceramics. **Journal of the European Ceramics Society** 2006; 26: 2889-2898.
- Cernea M. Sol-gel synthesis and characterization of BaTiO₃ powder. **Journal of Optoelectronic And Advanced Materials** 2005; 7(6): 3015-3022.
- Cheng X. and Shen M. Enhanced spontaneous polarization in Sr and Ca co-doped BaTiO₃ ceramics. **Solid State Communications** 2007; (141): 587-590.
- Duran P., Capel F., Gutierrez D., Tartaj J., Banares M. A. and Moure C. Metal citrate polymerized complex thermal decomposition leading to the synthesis of BaTiO₃; effects of the precursor structure on the BaTiO₃ formation mechanism., **Journal of Materials Chemistry** 2001; (11): 1828-1836.
- Hench L.L and West J.K. **Principles of Electronic Ceramics**. USA: John Wiley & Sons; 1990.
- Hou B., Li Z., Xu Y., Wu D., Sun Y. Size-controllable barium titanate nanopowder synthesized via one-pot solvothermal route in a mixed solvent. **Journal of Electroceramic** 2006; (16): 127-133.
- Hwang U. Y., Park H. S. and Koo K. K. Low temperature synthesis of fully crystallized spherical BaTiO₃ particles by the gel-sol method. **Journal of American Ceramics Society** 2004; 87(12): 2168-2174.
- Kao K.C. **Dielectric Phenomena in Solids**. UK: Elsevier; 2004.
- Kumar K.-N. P., Fray D. J., Nair J., Mizukami F. and Okubo T. Enhanced anatase-to-rutile phase transformation without exaggerated particle growth in nanostructured titania-tin oxide composites. **Scripta Materialia** 2007; (57): 771-774.
- Lee J. J., Park K. J., Hur K. H., Yi S. C. and Koo S. M. Synthesis of ultrafine and spherical barium titanate powder using a titania nano-sol. **Journal of American Ceramics Society** 2006; (89): 3299-3301.
- Li B., Wang X., Li L., Zhou H., Liu X., Han X., Zhang Y., Qi Y., Deng X. Dielectric properties of fine-grained BaTiO₃ prepared by spark-plasma-sintering. **Journal of Material Chemistry and Physics** 2004; (83): 23-28.
- Lu Q., Chen D. and Jiao X. Preparation and characterization of BaTiO₃ long fibers by sol-gel process using catechol-complexed alkoxide. **Journal of Sol-Gel Science and Technology** 2002; (25): 243-248.
- Luan W., Gao L., Guo J. Size effect on dielectric properties of fine-grained BaTiO₃ ceramics. **Ceramics International** 1999; (25): 727-729.
- Maier R., Cohn J. L., Neumeier J. J. and Bendersky L. A. **Applied Physics Letters** 2001; (78): 2536-2538.
- Maso N., Beltran H., Cordoncillo E., Escribano and West A. R. Electrical properties of Fe-doped BaTiO₃. **Journal of Materials Chemistry** 2006; (16): 1626-1633.

- Moulson A.J. and Herbert. **Electroceramics, second edition.** USA: John Wiley & Sons; 2003.
- Park M. -B., Kim C. -D., Lee S. -K. and Cho N. -H. Phase transition and dielectric characteristics of nano-grained BaTiO₃ ceramics synthesized from surface-coated nano-powders. **Applied Surface Science** 2002; (190): 416-421.
- Peng Z. and Chen Y. Preparation of BaTiO₃ nanoparticles in aqueous solutions. **Journal of Microelectronic Engineering** 2003; (66): 102-106.
- Shi E. W., Xia C. T., Zhong W. Z., Wang B.G. and Feng C. D. Crystallographic properties of hydrothermal barium titanate crystallites. **Journal of American Ceramics Society** 1997; (80): 1567-1572.
- Shin F.-Y. and Fung K.-Z. Effect of chitosan addition on the electrochemical behavior and crystallization of LiMn₂O₄ film derived from acetates-containing solution. **Electrochimica Acta** 2006; (51): 6533-6541.
- Tangjunk S. and Tunkasiri T. Characterization and properties of Sb-doped BaTiO₃ powders. **Applied Physics Letters** 2007; 90: 0729081-0729083.
- Tuan W. H. and Lin S. K. The microstrucuter-mechanical properties relationships of BaTiO₃. **Ceramics International** 1999; (25): 35-40.
- Tsurumi T., Sekine T., Kakemoto H., Hoshina T., Nam S M., Yasuno H., Wada S. Evaluation and statistical analysis of dielectric permittivity of BaTiO₃ powder. **Journal of American Ceramics Society** 2006; 89(4): 1337-1341.
- Vinothini V., Singh P., Balasuramanian M. Synthesis of barium titanate nanopowder using polymeric precursor method. **Ceramics International** 2006; (32): 99-103.
- Wang X. H., Chen R. Z., Gui Z. L. and Li L. T. The grain size effect on dielectric properties of BaTiO₃ based ceramics. **Materials Science and Engineering B** 2003; (99): 199-202.
- Wei J. H., Shi J., Lui Z. Y. and Wang J. B. Polymer-assisted synthesis of BaTiO₃ nanorods. **Journal of Materials Science Letters** 2006; (41): 3127-3130.
- Xu M., Lu Y. N., Liu Y. F., Shi S. Z., Qian T. S. and Lu D. Y. Sonochemical synthesis of monosized spherical BaTiO₃ particles. **Powder Technology** 2006; (161): 185-189.
- Yimnirun R., Anata S. and Chamunglap S. Dielectric properties of ((1-x)Pb(Zr_{0.52}Ti_{0.48})O₃-xBaTiO₃) ceramics under uniaxial compressive pre-stress. **Materials Chemistry and Physics** 2007; (102): 165-170.
- Yuan Y., Zhang S. and Yow W. Preparation of BaTiO₃-based X7R ceramics with high dielectric constant by nanometer oxides doping method. **Materials Letters** 2004; (58): 1959-1963.
- Zhang Y., Luo S., Fu Y., Zhang K. New route for preparing BaTiO₃ nanometer powder. **Journal of Materials Science** 2006; (41): 3179-3182.
- Zhang Y. C., Wang G. L., Li K. W., Zhang M., Hu X. Y., Wang H. Facile synthesis of submicron BaTiO₃ crystallites by a liquid-solid reaction method. **Journal of Crystal Growth** 2006; (294): 278-282.