

2009=2552 (Oct 2008 – Sep 2009)

BL3.2Ua: PES 2 articles

1. Nakajima, H., Buddhakala, M., Chumpolkulwong, S., Songsiriritthigul, P. and Kakizaki, A. "Final State Interaction Observed in $M_{2,3}VV$ Auger Profile of Cu(110)" *Journal of Physics Condensed Matter* 21 (Feb 2009): 055007.
2. Punpai, P., Morimoto, S., Khonthon, S., Arai, Y., Suzuki, T. and Ohishi, Y. "Effect of Carbon Addition and TeO_2 Concentration of TeO_2 -doped Soda-Lime-Silicate Glasses" *Journal of Non-Crystalline Solids* 354 (Dec 2008): 5529-5532.

BL6a: DXL 1 article

1. Mongpraneet, S., Wisitsora-at, A., Phatthanakun, R., Chomnawang, N. and Tuantranont, A. "Low-Cost X-Ray Mask Based on Micropattern Sputtered Lead Film for X-Ray Lithography" *Journal of Vacuum Science & Technology B* 27.3 (May 2009): 1299-1303.

BL8: XAS 7 articles

1. Artkla, S., Choi, W. and Wittayakun, J. "Enhancement of Catalytic Performance of MCM-41 Synthesized with Rice Husk Silica by Addition of Titanium Dioxide for Photodegradation of Alachlor" *Journal Environment Asia* 2.1 (Jul 2009): 41-48.
2. Chumee, J., Grisdanurak, N., Neramittagapong, S. and Wittayakun, J. "Characterization of Platinum-Iron Catalysts Supported on MCM-14 Synthesized with Rice Husk Silica and their Performance for Phenol Hydroxylation" *Journal Science and Technology of Advanced Materials* 10 (Mar 2009): 015006.
3. Kamon-in, O., Pattanasiriwisawa, W., Yangthaisong, A., Srilomsak, S. "Structural Studies of $Ba_{1-x}La_xTiO_3$ Using X-ray Absorption Near-edge Spectroscopy" *Journal of Physics: conference series* 190 (Nov 2009): 012082.
4. Pattanasiriwisawa, W., Sirinupong, N., Suwanmanee, P., Daengkanit, C. and Siritapetawee, J. "An Attempt to Analyze the Bark Disease in *Havea Brasiliensis* Using X-Ray Absorption Near-edge Spectroscopy" *Journal of Synchrotron Radiation* 16.5 (Jul 2009): 622-627.
5. Radabutra, S., Thanawan, S. and Amornsakchai, T. "Chlorination and Characterization of Natural Rubber and its Adhesion to Nitrile Rubber" *European Journal Polymer* 45 (Jul 2009): 2017-2022.
6. Smith, M.F., Klysubun, W., Kityakarn, S., Worayingyong, A., Zhang, S.B., Wei, S.-H., Onkaw, D., Songsiriritthigul, P., Rujirawat, S., and Limpijumnong, S. "Determination of Phase Ratio in Polymorphic Materials by X-Ray Absorption Spectroscopy: The Case of Anatase and Rutile Phase Mixture in TiO_2 " *Journal Applied Physics* 105 (Jan 2009): 024308.
7. Yimnirun, R., Tangsritrakul, J., Rujirawat, S. and Limpijumnong, S. "Identification of Mn Site in $BaTiO_3$ by Synchrotron X-Ray Absorption Spectroscopy Measurements" *Ferroelectric* 381 (Jan 2009): 130 -143.

SR Related 1 article

1. Thumanu, K., Tanthanuch, W., Lorthongpanich, J., Heraud, P., Parnpai, R. "FTIR Microspectroscopic Imaging as a New Tool to Distinguish the Chemical Composition of Mouse Blastocyst" *Journal Molecular Structure* 933.1-3 (Sep 2009): 104-111.

Others 4 articles

1. Li, X. B., Limpijumnong, S., Tian, W. Q., Sun, H.-B. and Zhang, S. B. "Hydrogen in ZnO Revisited; Bond Centetr Versus Antibonding Site" *Physical Review B* 78 (Sep 2008): 113203.

2. Li, X-B., Limpijumnong, S., Tian, W.Q. and Zhang, S.B. "Unexpected Coulomb Binding Between Ca and H⁺ in ZnO" *Journal of Vacuum Science & Technology B* 27.3 (May 2009): 1601-1603.
3. Loiha, S., Prayoonpokarach, S., Songsiritthigunb, P. and Wittayakun, J. "Synthesis of Zeolite Beta with Pretreated Rice Husk Silica and its Transformation to ZSM-12" *Journal Materials Chemistry and Physics* 115 (Jun 2009): 637-640.
4. Zhang, L., T-Thienprasert, J., Du, M.H., Singh, D. J. and Limpijumnong. S. "Comment on "Spectroscopic Signatures of Novel Oxygen-Defect Complexes in Stoichiometrically Controlled CdSe" *Physical Review Letter* 102 (May 2009): 209601.