BIBLIOGRAPHY

- Adewuyi, Y.G., Klocke, D.J. and Buchanan, J.S. 1995. Effect of High-Level of Additions of ZSM-5 to a Fluid Catalytic Cracking (FCC) RE-USY Catalyst. *Applied Catalysis A: General.* 131(1): 121-133.
- American Society for Testing and Material. 2002. <u>Standard Test Method for Relative</u> <u>Zeolite Diffraction Intensity</u>. ASTM Designation: D-3906-97 Vol. 05. 05, The ASTM Committee of Standard, Easton, MD, U.S.A.
- American Society for Testing and Material. 2002. <u>Standard Test Method for Relative</u> Zeolite Crystallinity of Zeolite ZSM-5 by X-Ray diffraction. ASTM Designation: D-5758-01 Vol. 05. 05, The ASTM Committee of Standard, Easton, MD, U.S.A.
- American Society for Testing and Material. 2002. <u>Standard Test Method for</u> <u>Determination of the Unit Cell Dimension of s Faujasite-Type Zeolite</u> ASTM Designation: D-3942-97 Vol. 05. 05, The ASTM Committee of Standard, Easton, MD, U.S.A.
- American Society for Testing and Material. 1992. <u>Standard Test Method for Testing</u> <u>Fluid Catalytic Cracking (FCC) Catalysts by Microactivity Test</u> ASTM Designation: D-3907 Vol. 05. 03, The ASTM Committee of Standard, Easton, MD, U.S.A.
- Anderson, P.C., Sharkey, J.M. and Walsh, R.P.1972. Calculation of the Octane Number of Motor Gasolines from Gas Chromatographic Data and a New Approach to Motor Gasoline Quality Control. J. Inst. Petrol. 58:83-93.

- Aurapun Angkasuwan. 1999. "Testing on Fluid Catalytic Cracking (FCC) Catalysts", Master of Engineering Thesis in Chemical Engineering, Prince of Songkla University. (Unpublished)
- Aitani, A., Yoshikawa, T. and Ino, T. 2000. Maximization of FCC Light Olefins by High Severity Operation and ZSM-5 Addition. *Catalysis Today*. 60(1-2): 111-117.
- Al-Khattaf, S. 2002. The Influence of Y-Zeolite Unit Cell Size on the Performance of FCC Catalysts During Gas Oil Catalytic Cracking. *Applied Catalysis A: General.* 231(1-2): 293-306.
- Biswas, J. and Maxwell, I.E. 1990. Octane Enhancement in Fluid Catalytic Cracking I. Role of ZSM-5 Addition and Reactor Temperature. *Applied Catalysis*. 58 (1):1-18.
- Buchanan, J.S. 2000. The Chemistry of Olefins Production by ZSM-5 Addition to Catalytic Cracking Units. *Catalysis Today*. 55: 207-212.
- Buchanan, J.S. and Adewuyi, Y.G. 1996. Effect of High Temperature and High ZSM-5 Additive Level on FCC Olefin Yields and Gasoline Composition. *Applied Catalysis A: General.* 134(2): 247-262.
- Catlow, C.R.A. 1992. *Modelling of Structure and Reactivity in Zeolite*. London. Academic Press Limited.
- Corma, A., Alfaro, G.V. and Orchilles, A. V. 1999. The Role of Pore Topology on the Behaviour of FCC Zeolite Additives. *Applied Catalysis A: General.* 187(2): 245-254.

- Degnan, T.F., Chitnis, G.K. and Schipper, P.H. 2000. History of ZSM-5 Fluid Catalytic Cracking Additive Development at Mobil. *Microporous and Mesoporous Materials*. 35-36: 245-252.
- Dyer, A. 1988. *An Introduction to Zeolite Molecular Sieves*. New York. John Wiley & Sons.
- Elia, M.F., Iglesias, E., Martinez, A. and Perez Pascual, M.A. 1991. Effect of Operation Conditions on the Behaviour of ZSM-5 Addition to a RE-USY FCC Catalyst. *Applied Catalysis*. 73(2): 195-216.
- Jakkrit Tuntragul. 2000. "Synthesis and Characterization of a Catalytic Cracking Y Zeolite", Master of Engineering Thesis in Chemical Engineering, Prince of Songkla University. (Unpublished)
- Kritsana Kritsanaphak. 2001. "Preparation of REY-Zeolite Catalyst ", Master of Engineering Thesis in Chemical Engineering, Prince of Songkla University. (Unpublished)
- Lopes, J.M., Lemons, F. and Ribeiro, F.R. 1999. Mixing Effect of USY+HZSM-5 for Different Catalyst Ratio on the n-Heptane Transformation. *Applied Catalysis* A: General. 176(2): 239-250.
- Lugstein, A., Jentys, A. and Vinek, H. 1999. Hydroisomerization and Cracking of n-Octane and C₈ Isomer on Ni-containing Zeolite. *Applied Catalysis A: General*. 176(1): 119-128.
- Mao, R.L., Le, T.S., Fairbairn, M., Muntasar, A., Xiao, S. and Denes, G. 1999.
 ZSM-5 Zeolite with Enhance Acidic Properties. *Applied Catalysis A: General*. 185(1): 41-52.
- Prasit Songtuan. 2002. "Comparision of the Performance of USY, REHY, REY and Their Composites in the Cataytic Cracking of Fang Gas oil", Master of

Engineering Thesis in Chemical Engineering, Prince of Songkla University. (Unpublished)

- Research Institute of Petroleum Processing, SINOPEC, 1997 (a) <u>CLY-1Hydrothermal</u> <u>Aging Unit Manual Instructions.</u>
- Research Institute of Petroleum Processing, SINOPEC, 1997 (b) <u>WFS-1D Catalytic</u> <u>Microactivity Index Test Unit Manual Instruction.</u>
- Sadeghbeigi, R. 1995. *Fluid Catalytic Cracking Handbook*. Texas. Gulf Publishing Company.
- Smirniotis, P.G. and Ruckenstein, E. 1994. Comparison of the Performance of ZSM-5, Y, USY and Their Composites in the Catalytic Cracking of n-Octane, 2,2,4-Trimethylpentane and 1-Octane. *Ind. Eng. Chem. Res.* 33(4): 800-813
- Sutha Onkham. 2001. "Preparation and Characterization of a Catalytic Cracking of REY-Zeolite", Master of Engineering Thesis in Chemical Engineering, Prince of Songkla University. (Unpublished)
- Tomlinson, A.A.G. 1998. Mordern Zeolites. Switzerland. Trans Tech Publication Ltd.
- Venuto, P. and Habib, T.E. 1979. *Fluid Catalytic Cracking with Zeolite Catalysts*. New York. Marcel Dekker, Inc.
- Wachira Ritthichai. 2001. "Synthesis and Characterization of a USY Zeolite ",Master of Engineering Thesis in Chemical Engineering, Prince of Songkla University. (Unpublished)
- Wilson, J.W. 1997. *Fluid Catalytic Cracking Technology and Operations*. Oklahoma. Penn well Publishing Company.