

Dr. Uthen Thubsuang

Personal Information:

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Research Interests:

1. Synthesis and Development of Porous Materials
2. Synthesis and Development of Polybenzoxazine
3. Synthesis and Development of Zeolite Nanoparticles
4. Surface Modification of Porous Materials
6. Applications of Porous Materials

Education:

2008 – 2014 **Doctor of Philosophy** (Polymer Science), The Petroleum and Petrochemical College, Chulalongkorn University, Bangkok, Thailand.
2004 – 2008 **Bachelor of Engineering** (Chemical Engineering), Faculty of Engineering and Industrial Technology, Silpakorn University, Nakhon Pathom, Thailand.

Publications:

Book Chapter

1. **U. Thubsuang**, T. Chaisuwan, Chapter 31. Polybenzoxazine for Hierarchical Nanoporous Materials, in: H. Ishida, P. Froimowicz (Eds.), Advanced and Emerging Polybenzoxazine Science and Technology, Elsevier, Amsterdam, 2017, pp. 611-620.

Research Articles

1. **U. Thubsuang**, S. Laebang, N. Manmuanpom, S. Wongkasemjit, T. Chaisuwan, Tuning pore characteristics of porous carbon monoliths prepared from rubber wood waste treated with H₃PO₄ or NaOH and their potential as supercapacitor electrodematerials, J. Mater. Sci. 52 (2017) 6837-6855. ISI Impact Factor (2016) : 2.302

2. **U. Thubsuang**, H. Ishida, S. Wongkasemjit, T. Chaisuwan, Advanced and economical ambient drying method for controlled mesopore polybenzoxazine-based carbon xerogels: Effects of non-ionic and cationic surfactant on porous structure, *J. Colloid Interface Sci.* 459 (2015) 241-249. ISI Impact Factor (2014) : 3.368
3. **U. Thubsuang**, D. Sukanan, S. Sahasithiwat, S. Wongkasemjit, T. Chaisuwan, Highly sensitive room temperature organic vapor sensor based on polybenzoxazine-derived carbon aerogel thin film composite, *Mater. Sci. Eng., B* 200 (2015) 67-77. ISI Impact Factor (2014) : 2.169
4. **U. Thubsuang**, H. Ishida, S. Wongkasemjit, T. Chaisuwan, Self-formation of 3D interconnected macroporous carbon xerogels derived from polybenzoxazine by selective solvent during the sol-gel process, *J. Mater. Sci.* 49 (2014) 4946-4961. ISI Impact Factor (2013) : 2.163
5. **U. Thubsuang**, H. Ishida, S. Wongkasemjit, T. Chaisuwan, Improvement in the pore structure of polybenzoxazine-based carbon xerogels through a silica templating method, *J. Porous Mater.* 21 (2014) 401-411. ISI Impact Factor (2013) : 1.348
6. **U. Thubsuang**, H. Ishida, S. Wongkasemjit, T. Chaisuwan, Novel template confinement derived from polybenzoxazine-based carbon xerogels for synthesis of ZSM-5 nanoparticles via microwave irradiation, *Micropor. Mesopor. Mater.* 156 (2012) 7-15. ISI Impact Factor (2011) : 3.285
7. P. Ramakul, N. Leepipatpiboon, C. Yamoum, **U. Thubsuang**, S. Bunnak, U. Pancharoen, Reduction of concentration polarization at feeding interface of a hollow fiber supported liquid membrane by using periodic operation, *Korean J. Chem. Eng.* 26 (2009) 765-769. ISI Impact Factor (2008) : 0.893