

Dr Yun Hau's publication (last 5 years)

- 1) Y. H. Ng, S. Ikeda, Y. Morita, T. Harada, K. Ikeue and M. Matsumura. "Origin of the High Activity of Porous Carbon-coated Platinum Nanoparticles for Aerobic Oxidation of Alcohols." *J. Phys. Chem. C*, 2009, **113**, 12799-12805.
- 2) Y. H. Ng, S. Ikeda, S. Park, Y. Morita, T. Harada and M. Matsumura. "Morphological Control of Carbon Carrier in Pt-Carbon Nanocomposites Derived from Photocatalytic Reactions on Titanium(IV) Oxide Powders." *Top. Catal.*, 2009, **52**, 627-633.
- 3) T. Harada, S. Ikeda, N. Okamoto, Y. H. Ng, S. Higashida, T. Torimoto and M. Matsumura. "Efficient Reductive Alkylation of Aniline with Acetone over Pt Nanoparticles Encapsulated in Hollow Porous Carbon." *Chem. Lett.*, 2008, **37**, 948-949.
- 4) T. Harada, S. Ikeda, Y. H. Ng, T. Sakata, H. Mori, T. Torimoto and M. Matsumura. "Rhodium Nanoparticle Encapsulated in a Porous Carbon Shell as an Active Heterogeneous Catalyst for Aromatic Hydrogenation." *Adv. Funct. Mater.*, 2008, **18**, 2190-2196.
- 5) Y. H. Ng, S. Ikeda, T. Harada, Y. Morita and M. Matsumura. "An Efficient and Reusable Carbon-supported Platinum Catalyst for Aerobic Oxidation of Alcohols in Water." *Chem. Commun.*, 2008, 3181-3183.
- 6) Y. H. Ng, S. Ikeda, T. Harada, T. Sakata, H. Mori, A. Takaoka and M. Matsumura. "High Sintering Resistance of Platinum Nanoparticles Embedded in a Microporous Hollow Carbon Shell Fabricated through a Photocatalytic Reaction." *Langmuir*, 2008, **24**, 6307-6312.
- 7) Y. H. Ng, S. Ikeda, T. Harada, S. Park, T. Sakata, H. Mori and M. Matsumura. "Photocatalytic Route for Synthesis of Hollow Porous Carbon/Pt Nanocomposites with Controllable Density and Porosity." *Chem. Mater.*, 2008, **20**, 1154-1160.
- 8) S. Ikeda, K. Tachi, Y. H. Ng, Y. Ikoma, T. Sakata, H. Mori, T. Harada and M. Matsumura. "Selective Adsorption of Glucose-derived Carbon Precursor on Amino-functionalized Porous Silica for Fabrication of Hollow Carbon Spheres with Porous Walls." *Chem. Mater.*, 2007, **19**, 4335-4340.
- 9) Y. H. Ng, S. Ikeda, T. Harada, S. Higashida, T. Sakata, H. Mori and M. Matsumura. "Fabrication of Hollow Carbon Nanospheres Encapsulating Platinum Nanoparticles using a Photocatalytic Reaction." *Adv. Mater.*, 2007, **19**, 597-601.
- 10) Y. H. Ng, I. Izwan, H. Nur, M. N. M. Muhid and H. Hamdan. "Biphasic Epoxidation of 1-Octene with H₂O₂ Catalyzed by Amphiphilic Fluorinated Ti-loaded Zirconia." *J. Fluor. Chem.*, 2007, **128**, 12-16.
- 11) H. Nur, Y. H. Ng, I. Izwan, H. Hamdan and M. N. M. Muhid. "Hydrophobic Fluorinated TiO₂-ZrO₂ as Catalyst in Epoxidation of 1-Octene with Aqueous Hydrogen Peroxide." *Mater. Lett.*, 2006, **60**, 2274-2277.

