

Chapter 9

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List of publications

1. Ibrahim, S. K.; Woi, P. M.; Alias, Y.; Pickett, C. J., Artificial hydrogenases: Assembly of an H-custer analogue within a functionalised poly(pyrrole) matrix. *Chem. Commun.* **2010**, 46, 8189–8191.
2. Wright, J. A.; Webster, L.; Jablonskyte, A.; Woi, P. M.; Ibrahim, S. K.; Pickett, C. J., Protonation of [FeFe]-hydrogenase sub-site analogues: revealing mechanism using FTIR stopped-flow techniques. *Faraday Discuss.* **2011**, 148, 359-371.
3. Nann, T.; Ibrahim, S. K.; Woi, P. M.; Xu, S.; Ziegler, J.; Pickett, C. J., Water Splitting by Visible Light: A Nanophotocathode for Hydrogen Production. *Angew. Chem. Int. Ed.* **2010**, 49, 1-5.

Conferences/workshops/seminars attended

1. 2nd Regional Electrochemistry Meeting of South-East Asia, REMSEA 2010: Applied Electrochemistry for Modern Life, 16-19 November 2010, Maha Chulalongkorn Building, Chulalongkorn University, Bangkok, Thailand. *Nanophotocathode for Hydrogen Production via Visible Light Driven Water Splitting* (Poster presenter).
2. University of Malaya-University of Hyderabad Bilateral Seminar: Emerging trends in chemistry, 26-28 October 2010, Chemistry Department, Faculty of Science, University of Malaya, Malaysia. *Visible Light Driven Water Splitting: A Nanophotocathode for Hydrogen Production* (Poster presenter).
3. Inorganic Seminar Series: *Probing active site of nitrogenase with FTIR spectroscopy* by Dr. Simon George, University of California, Davis, 23 September 2010, CAP 2.10, School of Chemistry, University of East Anglia, UK. (Participant).
4. Inorganic Seminar Series: *Tantalum catalysts for living polymerisation and selective oligomerisation* by Prof. Kazuki Mashima, Osaka University, 2 September 2010, CAP 2.10, School of Chemistry, University of East Anglia, UK. (Participant).
5. End Note Workshop, 6 May 2010, Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya, Malaysia. (Participant).
6. Regional Conference on Ionic Liquids, RCIL 2009: Challenges and Prospects in Ionic Liquids, 24-25 November 2009, Centre of Ionic Liquids, University of Malaya, Malaysia. (Participant).

7. Light Energy for a Brighter Future, 6 July 2009, Imperial College London, UK. (Participant).

8. International Conference on Molecular Chemistry, ICMC 2008, 25-26 November 2008, Chemistry Department, Faculty of Science, University of Malaya, Malaysia. *Electrochemistry Studies of Pyrrole in Ionic Liquids* (Poster presenter).

9. 2nd USM Penang International Postgraduate Convention, ICYC 2008, 18-20 June 2008, University of Science Malaysia, Penang, Malaysia. *Design of novel catalysts for proton reduction based on synthetic analogue of biological metallo sulphur active sites* (Oral presenter).