

Curriculum Vitae: King Kuok (Mimi) Hii

Professor of Catalysis, Department of Chemistry, Imperial College London.
Director of the Centre for Rapid Online Analysis of Reactions (ROAR), Imperial College London
Director of the EPSRC Centre for Doctoral Training in Next Generation Synthesis & Reaction Technology.

Education:

1988-91 University of Leeds, England. B.Sc.(First Class Hons.) in Chemistry.
1991-94 University of Leeds, England. Ph.D. in Chemistry, under the supervision of Professor B. L. Shaw, FRS.

Career :

1994-97 Postdoctoral Research Assistant, Dyson Perrins Laboratory, Oxford University (Advisor: Dr. John M. Brown, FRS).
1995-97 Keeley Junior Research Fellow, Wadham College, Oxford.
1997-98 Ramsay Memorial Research Fellow (University of Leeds).
1998-2003 Lecturer in Organic Chemistry, King's College London.
2003-2009 Senior Lecturer in Inorganic Chemistry, Imperial College London
2009-2016 Reader in Catalysis, Imperial College London
2016- Professor of Catalysis, Imperial College London

Research track record:

I am interested in the development of catalytic reactions (and associated technologies), that are particularly relevant to the Pharmaceutical and Fine Chemical Industries. My work involves mainly development and applications of homogeneous catalysis for C-C or C-X bond formations. For the past decade, I have established collaborations with colleagues in Chemical Engineering, on the implementation of flow chemistry/heterogeneous catalysis in multiphasic reactions, including the application of EXAFS spectroscopy to understand the fundamental processes affecting catalyst structures. My contributions to these research areas have been recognised by an 'Asian Rising Star' award in 2013, conferred by the Federation of Asian Chemical Societies.

To date, my work has generated >100 peer-reviewed papers with associated h-index of 35, 8 patent applications, as well as a number of monographs and textbooks in catalysis and flow chemistry.

In 2018, I established the UK's first Dial-a-Molecule Grand Challenge Institute: [Centre for Rapid Online Analysis of Reactions \(ROAR\)](#) at Imperial College's new White City campus; a facility dedicated to data-rich synthesis, including high-throughput experimentation, combined with online, inline and offline analytic instruments to perform reactions in batch or flow reactors. From 2019, I will also be directing the EPSRC [Centre for Doctoral Training in Next Generation Synthesis & Reaction Technology](#) at Imperial College London.

Other notable appointments include Steering group membership of EPSRC's '[Dial-a-Molecule' Grand Challenge Network](#) (co-I from 2016), Editor-in-Chief to SpringerNature's [Chemistry Central Journal](#) (2015-2018), and an Associate Editor for [ACS Sustainable Chemistry & Engineering](#) (from 2019).