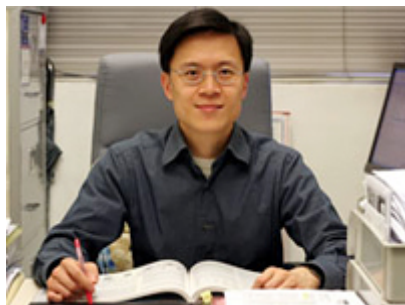


## WONG, Raymond W. Y. - Elizabeth Law Endowed Chair of Advanced Materials, Chair Professor and Head of Department



黃維揚教授

### **Educational Background**

- B.Sc. (Hons.), The University of Hong Kong, HK
- Ph.D., The University of Hong Kong, HK
- Postdoctoral: Texas A&M University, US; University of Cambridge, UK

### **Professional Membership**

- CChem
- FRSC

### **Awards and Recognitions**

- Second Class Prize, State Natural Science Award of P.R. China (2013)
- Asian Rising Star Award, Asian Chemical Congress (2013)
- Ho Leung Ho Lee Foundation Prize for Scientific and Technological Innovation (2012)
- Distinguished Lectureship Award, The Chemical Society of Japan (2012)
- FACS Distinguished Young Chemist Award, Federation of Asian Chemical Societies (2011)
- HKBU President's Award for Outstanding Performance in Scholarly Work (2011)
- First Class Prize, Natural Science Award of the Ministry of Education, P.R. China (2010)
- Second Class Prize, Natural Science Award from the China Hubei Provincial Science & Technology Department, P.R. China (2010)
- Overseas Renowned Scholar, Chinese Academy of Sciences, P.R. China (2010)
- RSC Chemistry of the Transition Metals Award, Royal Society of Chemistry (2010)
- Croucher Senior Research Fellowship Award, The Croucher Foundation (2009)
- Asian Core Program Lectureship Awards (Taiwan 2013, Japan 2011, South Korea and Singapore 2009)
- HKBU President's Award for Outstanding Performance in Teaching (2007)

### **Professional Appointments**

- Honorary Professor, The University of Hong Kong
- Chairman, Hong Kong Chemical Society

- Associate Editor, Journal of Materials Chemistry C (RSC)
- Regional Editor, Journal of Organometallic Chemistry (Elsevier)
- Co-editor, Central European Journal of Chemistry (Springer)
- International Advisory Board Member, Dalton Transactions (RSC)
- International Advisory Board Member, Macromolecular Rapid Communications (Wiley-VCH)
- International Advisory Board Member, Macromolecular Chemistry and Physics (Wiley-VCH)
- International Advisory Board Member, Chemistry: An Asian Journal (Wiley-VCH)
- International Advisory Board Member, Polymer Chemistry (RSC)
- Editorial Board Member, Dyes and Pigments (Elsevier)
- Editorial Board Member, Comments on Inorganic Chemistry (Taylor & Francis)
- Editorial Board Member, Journal of Inorganic and Organometallic Polymers and Materials (Springer)
- Editorial Board Member, Current Organic Chemistry (Bentham Science)
- Editorial Board Member, Polymer Bulletin (Springer)
- Editorial Board Member, Journal of Cluster Science (Springer)

#### Current Research Interests

- Inorganic/organometallic syntheses
- Metal-containing polymers
- Molecular materials for NLO, OLEDs and organic solar cells
- Nanomaterials
- X-ray crystallography
- Current Research activity  
more details...

#### Contacts

- Office: Room T1214A
- Tel: (852)3411-7074
- E-mail: [rwywong@hkbu.edu.hk](mailto:rwywong@hkbu.edu.hk)
- website: <http://chem.hkbu.edu.hk/rwywong>

#### Selected Publications

1. R. Sakamoto, K. Hoshiko, Q. Liu, T. Yagi, T. Nagayama, S. Kusaka, M. Tsuchiya, Y. Kitagawa, W.-Y. Wong and H. Nishihara, "A Photofunctional Bottom-up Bis(dipyrrinato)zinc(II) Complex Nanosheet", *Nat. Commun.*, **6**, 6713 (2015).
2. X. Yang, G. Zhou and W.-Y. Wong, "Functionalization of Phosphorescent Emitters and their Host Materials by Main-Group Elements for Phosphorescent Organic Light-Emitting Devices", *Chem. Soc. Rev.*, DOI: 10.1039/c5cs00424a, in press (2015).
3. C. Cui, W.-Y. Wong and Y. Li, "Improvement of Open-Circuit Voltage and Photovoltaic Properties of 2D-Conjugated Polymers by Alkylthio Substitution", *Energy Environ. Sci.*, **7**, 2276-2284 (2014). **(Highlighted as the Inside Cover)**

4. L. Ying, C.-L. Ho, H. Wu, Y. Cao and W.-Y. Wong, "White Polymer Light-Emitting Devices for Solid-State Lighting: Materials, Devices and Recent Progress", *Adv. Mater.*, **26**, 2459-2473 (2014).
5. Q. Dong, G. Li, C.-L. Ho, C.-W. Leung, P. W.-T. Pong, I. Manners and W.-Y. Wong, "Facile Generation of L1<sub>0</sub>FePt Nanodot Arrays from a Nanopatterned Metallopolymer Blend of Iron and Platinum Homopolymers", *Adv. Funct. Mater.*, **24**, 857-862 (2014).
6. C.-L. Ho and W.-Y. Wong, "Charge and Energy Transfer in Functional Metallopolyyenes and Metallophosphors", *Coord. Chem. Rev.*, **257**, 1614-1649 (2013).
7. B. Zhang, G. Tan, C.-S. Lam, B. Yao, C.-L. Ho, L. Liu, Z. Xie, W.-Y. Wong, J. Ding and L. Wang, "High-Efficiency Single Emissive Layer White Organic Light-Emitting Diodes Based on Solution-Processed Dendritic Host and New Orange-Emitting Iridium Complex", *Adv. Mater.*, **24**, 1873-1877 (2012).
8. Q. Dong, G. Li, C.-L. Ho, M. Faisal, C.-W. Leung, P. W.-T. Pong, K. Liu, B.-Z. Tang, I. Manners and W.-Y. Wong, "A Polyferroplatinyne Precursor for the Rapid Fabrication of L1<sub>0</sub>-FePt-type Bit Patterned Media by Nanoimprint Lithography", *Adv. Mater.*, **24**, 1034-1040 (2012). (Highlighted as the **Frontispiece Cover**)
9. G.-J. Zhou and W.-Y. Wong, "Organometallic Acetylides of Pt<sup>II</sup>, Au<sup>I</sup> and Hg<sup>II</sup> as New Generation Optical Power Limiting Materials", *Chem. Soc. Rev.*, **40**, 2541-2566 (2011).
10. J. Zou, H. Wu, C.-S. Lam, C. Wang, J. Zhu, S. Hu, C. Zhong, C.-L. Ho, G.-J. Zhou, H. Wu, W.C.H. Choy, J. Peng, Y. Cao and W.-Y. Wong, "Simultaneous Optimization of Charge-Carrier Balance and Luminous Efficacy in Highly Efficient White Polymer Light-Emitting Devices", *Adv. Mater.*, **23**, 2976-2980 (2011).
11. W.-Y. Wong and C.-L. Ho, "Organometallic Photovoltaics: A New and Versatile Approach for Harvesting Solar Energy Using Conjugated Polymetallaynes", *Acc. Chem. Res.*, **43**, 1246-1256 (2010).
12. W.-Y. Wong, X.-Z. Wang, Z. He, A. B. Djurišić, C.-T. Yip, K.-Y. Cheung, H. Wang, C. S. K. Mak and W.-K. Chan, "Metallated Conjugated Polymers as a New Avenue Towards High-efficiency Polymer Solar Cells", *Nat. Mater.*, **6**, 521-527 (2007).