

PERSONAL DATA:

Name: Chih-Long Chiang(江志隆)

Date of Birth: Sep. 16, 1976

EDUCATION:

Ph.D., Department of Applied Chemistry (2003~2007)

National Chiao Tung University

M.S., Department of Applied Chemistry (1999~2001)

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Publications:

1. Chiang, C.-L.; Tseng, S.-M.; Chen, C.-T.; Hsu, C.-P.; Wen, Y.-S.; Shu, C.-F. *Adv. Funct. Mater.*, **2007** Influence of Molecular Dipoles on the photoluminescence and Electroluminescence of Dipolar Donor-Acceptor-Substituted Spirobifluorene Fluorophores. (revised)
2. Chiang, C.-L.; Wen, J.-J.; Wen, Y.-S.; Shu, C.-F.; Chen, C.-T. *J. Chin. Chem. Soc.*, **2006**, 53, pp.1325-1334. *Synthesis and Characterization of Donor-Acceptor-Substituted Fluorene Fluorophores for Non-Doped Red Organic Light-Emitting Diodes.*
3. Shih, P.-I.; Chiang, C.-L.; Dixit, A. K.; Chen, C.-K.; Yuan, M.-C.; Lee, R.-Y.; Chen, C.-T.; Diau, E. W.-G.; Shu, C.-F. *Org. Lett.*, **2006**, 8, 2799-2802. *Novel Carbazole/Fluorene Hybrids: Host Materials for Blue Phosphorescent OLEDs.*
4. Yeh, S.-J.; Chen, H.-Y.; Wu, M.-F.; Chan, L.-H.; Chiang, C.-L.; Yeh, H.-C.; Chen, C.-T.; Lee, J.-H. *Org. Electr.*, **2006**, 7, 137. *All Non-Dopant Red-Green-Blue Composing White Organic Light-Emitting Diodes.*
5. Chiang, C.-L.; Shu, C.-F.; Chen, C.-T. *Org. Lett.*, **2005**, 7, 3717-3720. *Improved Synthesis of 2, 2' -Dibromo-9, 9' -Spirobifluorene and its 2, 2' -Bisdonor-7, 7' -Bisacceptor-Substituted Fluorescent Derivatives.*

6. Chiang, C.-L.; Wu, W.-C.; Dai, D.-C.; Wen, Y.-S.; Wang, J.-K.; Chen, C.-T. *Adv. Funct. Mater.*, **2005**, *15*, 231-238. *Red Fluorenes for the Efficient Host-Emitter of Non-Doped Red Organic Light-Emitting Diodes.*
7. Chen, C.-T.; Chiang, C.-L.; Lin, Y.-T.; Chan, L.-H.; Huang, C.-H.; Tsai, Z.-W.; Chen, C.-T. *Org. Lett.*, **2003**, *6*, 1261-1264. *Ortho-Substituent Effect on Fluorescence and Electroluminescence of Arylamino-Substituted Coumarin and Stilbene.*
8. Chiang, C.-L.; Shu, C.-F. *Chem. Mater.*, **2002**, *14*, 682-687. *Synthesis and Characterization of New Polyquinolines Coating 9,9'-Spirobifluorene Units.*

INTERNATIONAL CONFERENCE EXPERIENCE:

1. Chiang, C.-L.; Shu, C.-F.; Chen, C.-T. "Mono-Substituted and Bis-Substituted Derivatives of 9,9'-Spirobifluorene as Fluorophores for Red and Blue Organic Light-Emitting Diodes" *6th International Conference on Electroluminescence of Molecular Materials and Related Phenomena*, Hong Kong, August 6-10, **2006**.
2. The conference travel grant was supported by the 'Outstanding Students Conference Travel Grant' from the "National Science Council".
3. Chiang, C.-L.; Wu, M.-F.; Shu, C.-F.; Chen, C.-T. "Red Fluorenes as the Efficient Host Emitter for Non-doped Red Organic Light-Emitting Diodes". *International Display Manufacturing Conference and Exhibition (IDMC'05)*, Taipei, Taiwan, February 21-24, **2005**.
4. Chih-Long Chiang, Chiang-Fong Shu and Chin-Ti Chen "Improved Synthesis of 2,2'-Dibromo-9,9'-Spirobifluorene and its 2,2'-Bisdonor-7,7'-Bisacceptor-Substituted Fluorescent Derivatives" *The 7th International Chemical Conference, Taipei Synthetic Chemistry*, Hsinchu, Taiwan, October 28-30, **2004**.
5. Chen, C.-T.; Yeh, S.-J.; Chiang, C.-L., "Non-dopant Approach for Red Electrofluorescent or Electrophosphorescent OLEDs" *12th International Workshop on Inorganic and Organic Electroluminescence & 2004 International Conference on the*

Science and Technology of Emissive Displays and Lighting, Toronto, Canada, September 20-23, **2004**.

6. Yeh, S.-J.; Chiang, C.-L.; Chen, C.-T. "White Organic Light-Emitting Diodes Based on All Non-Doping Red, Green, and Blue Fluorescent Materials" 12th International Workshop on Inorganic and Organic Electroluminescence & 2004 International Conference on the Science and Technology of Emissive Displays and Lighting, Toronto, Canada, September 20-23, **2004**.

The conference travel grant was supported by the 'Outstanding Students Conference Travel Grant' from the "Foundation for the Advancement of Outstanding Scholarship (FAOS)".

7. Chiang, C.-L.; Chen, C.-T. "Donor-Acceptor-Substituted Fluorenes for Red Organic Light-Emitting Diode Materials" *4th International Conference on Electroluminescence of Molecular Materials and Related Phenomena*, Jeju Island, Korea, August 27-30, **2003**.

8. Chiang, C.-L.; Chan, L.-H.; Tsai, Z.-W.; Chen, C.-T. "Structure Tailoring of Arylamino-Substituted Stilbenes for Blue Organic Electroluminescence Devices" *The 7th International Symposium for Chinese Organic Chemists*, Hsinchu, Taiwan. Nov. 8-11, **2002**.