

Curriculum Vitae and Publication List

Personal Details:

Name: **Chunyan Chi (池春彦), PhD**
Date of birth: 16th September 1975
Place of birth: Harbin city, P. R. China
Marital status: Married
Nationality: Chinese
Current Address: 3 Science Drive 3, Department of Chemistry,
National University of Singapore, Singapore 117543.
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Education:

2001.7-2004.11 **PhD in chemistry (*Summa Cum Laude*) (advisor: Prof. Dr. Gerhard Wegner)**
Max-Planck Institute for Polymer Research, Mainz, Germany
Thesis title: "*Liquid Crystalline Oligofluorenes and Their Derivatives: Synthesis, Characterization and Physical Properties*".

1998.9-2001.7 **Master degree in chemistry (advisors: Prof. Xianhong Wang and Prof. Fosong Wang)**
Changchun Institute of Applied Chemistry, Chinese Academy of Sciences.
Thesis title: "*Synthesis, Self-assembly and Electronic Properties of Conjugated Phenylethynylene Dendrimers*".

1994.9-1998.7 **Bachelor degree in chemical engineering**
Department of Chemical Engineering, Qiqihar University, China

Research Experiences:

2011.7-now **Assistant Professor (tenure track)**, Department of Chemistry, National University of Singapore.

2007.7-2011.6 **Research Fellow (independent principle investigator)**
Department of Chemistry, National University of Singapore

2005.11-2007.6 **Postdoc (advisor: Professor Guillermo C. Bazan)**
Department of Materials Engineering and Department of Chemistry & Biochemistry, University of California at Santa Barbara

Research topic: "Water-Soluble Cationic Conjugated Polymers for Biosensor Applications".

2004.11-2005.10

Postdoc (advisor: Prof. Dr. Gerhard Wegner)

Max-Planck Institute for Polymer Research, Mainz, Germany

Awards and Honors:

- 2014.12 Asian Core Program Lectureship Award (to Taiwan), 2014
2014.12 Asian Core Program Lectureship Award (to China), 2014
2013.11 Asian Core Program Lectureship Award (to Japan), 2013
2004.11 "Summa Cum Laude" record on PhD thesis ("outstanding", top 5% of all PhD candidates).
2001 "Liu Yongling" Award from the Chinese Academy of Sciences.

Research Interests:

The major research activities in my group include structural design, synthesis and physical property studies of extended π -electron systems with novel structures and functional materials for organic opto-electronic devices, chemosensors.

Representative Publications (total: ~ 80 Peer-reviewed journal papers and book chapters, total citation > 2100, Hirsh index = 28)

[80] Shaoqiang Dong, Tun Seng Heng, Tullimilli Y. Gopalakrishna, Hoa Phan, Zheng Long Lim, Pan Hu, Jun Ding, and Chunyan Chi* "Extended Quinoidal Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes" *Angew. Chem. Int. Ed.* **2016**, accepted.

[79] Xuejin Yang, Xueliang Shi, Naoki Aratani, Théo P. Gonçalves, Kuo-Wei Huang, Hiroko Yamada, Chunyan Chi* and Qian Miao* "Benzo[4,5]cyclohepta[1,2-*b*]fluorene: an isomeric motif for pentacene containing linearly fused five-, six- and seven-membered rings" *Chem. Sci.* **2016**, accepted.

[78] Xueliang Shi, Chunyan Chi* "Different Strategies for Stabilization of Acenes and Acene Analogues" *Chem. Rec.* **2016**, accepted. (Personal accounts).

[77] Gaole Dai, Jingjing Chang, Jie Luo, Shaoqiang Dong, Naoki Aratani, Bin Zheng, Kuo-Wei Huang, Hiroko Yamada, Chunyan Chi* "Z-Shaped Pentaleno- Acene Dimers with High Stability and Low Band Gap" *Angew. Chem. Int. Ed.*, **2016**, 55, 2693-2696. **(Highlighted in SYNFACTS 2016, 12, 0360)**

[76] Xueliang Shi, Estefanía Quintero, Sangsu Lee, Linzhi Jing, Tun Seng Heng, Bin Zheng, Kuo-Wei Huang, Juan T. López Navarrete, Jun Ding,* Dongho Kim,* Juan Casado,* Chunyan Chi* "Benzo-thia-fused [n]Thienoacene-quinodimethanes with Small to Moderate Diradical Characters: The Role of Pro-aromaticity versus Anti-aromaticity" *Chem. Sci.* **2016**, 7, 3036-3046.

[75] Guiying He, Jinjun Shao, Yang Li, Jiangpu Hu, Huaning Zhu, Xian Wang, Qianjin Guo, Chunyan Chi,* and Andong Xia,* "Photophysical Properties of Octupolar Triazatruxene-Based Chromophores", *Phys. Chem. Chem. Phys.* **2016**, 18, 6789-6798.

Year 2015

[74] Xueliang Shi, Weixiang Kueh, Bin Zheng, Kuo-Wei Huang, Chunyan Chi* "Dipolar Quinoidal Acene Analogues as Stable Isoelectronic Structures of Pentacene and Nonacene" *Angew. Chem. Int. Ed.*, **2015**, 54, 14412-14416.

[73] Xueliang Shi, Sangsu Lee, Minjung Son, Bin Zheng, Jingjing Chang, Linzhi Jing, Kuo-Wei Huang, Dongho Kim*, Chunyan Chi* "Pro-aromatic bisphenaleno-thieno[3,2-b]thiophene versus anti-aromatic bisindenothieno[3,2-b]thiophene: different ground-state properties and applications in field-effect transistors" *Chem. Commun.* **2015**, 51, 13178-13180.

[72] Arun Naibi Lakshminarayana, Jingjing Chang, Jie Luo, Bin Zheng, Kuo-Wei Huang and Chunyan Chi* "Bisindeno-annulated pentacenes with exceptionally high photo-stability and ordered molecular packing: simple synthesis by a regioselective Scholl reaction" *Chem. Commun.* **2015**, 51, 3604-3607.

[71] Gaole Dai, Jingjing Chang, Wenhua Zhang, Shiqiang Bai, Kuo-Wei Huang, Jianwei Xu, Chunyan Chi*, "Dianthraceno[a,e]pentalenes: Synthesis, Crystallographic Structures and Applications for Organic Field-Effect Transistors" *Chem. Commun.* **2015**, 51, 503-506.

[70] Gaole Dai, Jingjing Chang, Xueliang Shi, Wenhua Zhang, Bin Zheng, Kuo-Wei Huang, Chunyan Chi* "Thienoacene-fused Pentalenes: Syntheses, Structures, Physical Properties and Applications for Organic Field Effect Transistors" *Chem. Eur. J.* **2015**, 21, 2019-2028.

[69] Steven Lukman, Andrew J. Musser, Kai Chen, Stavros Athanasopoulos, Chaw K. Yong, Zebing Zeng, Qun Ye, Chunyan Chi, Justin M. Hodgkiss, Jishan Wu,* Richard H. Friend, and Neil C. Greenham* "Tuneable Singlet Exciton Fission and Triplet-Triplet Annihilation in an Orthogonal Pentacene Dimer" *Adv. Funct. Mater.* **2015**, 25, 5452-5461.

[68] Zebing Zeng, Xueliang Shi, Chunyan Chi, Juan T. López Navarrete, Juan Casado*, Jishan Wu* "Pro-aromatic and anti-aromatic pi-conjugated molecules: an irresistible wish to be diradicals" *Chem. Soc. Rev.* **2015**, *44*, 6578.

[67] Arun Naibi Lakshminarayana, Chunyan Chi* "N-Containing Polycyclic Heteroacenes", Chapter 9 in the book "Polycyclic Arenes and Heteroarenes", Willey-VCH, **2015**

Year 2014

[66] Xueliang Shi, Paula M. Burrezo, Sangsu Lee, Wenhua Zhang, Bin Zheng, Gaole Dai, Jingjing Chang, Juan T. López Navarrete, Kuo-Wei Huang,* Dongho Kim,* Juan Casado,* and Chunyan Chi*, "Antiaromatic Bisindeno-[*n*]thienoacenes With Small Singlet Biradical Characters: Syntheses, Structures and Chain Length Dependent Physical Properties" *Chem. Sci.* **2014**, *5*, 4490-4503. (**Highlighted in SYNFACTS 2014, 10, 1270**)

[65] Qun Ye, Jingjing Chang, Xueliang Shi, Gaole Dai, Wenhua Zhang, Kuo-Wei Huang, Chunyan Chi*, "Stable 7,14-Disubstituted-5,12-Dithiapentacenes with Quinoidal Conjugation" *Org. Lett.* **2014**, *16*, 3966-3969.

[64] Qun Ye, Chunyan Chi*, "Recent Highlights and Perspectives on Acene Based Molecules and Materials", *Chem. Mater.* **2014**, *26*, 4046-4056. (Perspective).

[63] Jinjun Shao, Jingjing Chang, Gaole Dai, Chunyan Chi*, "Pyromellitic Diimide-Based Copolymers for Ambipolar Field-Effect Transistors: Synthesis, Characterization, and Device Applications", *J. Polym. Sci. Part A: Polym Chem.*, **2014**, *52*, 2454-2464.

[62] Jinjun Shao, Jingjing Chang, Chunyan Chi*, "Solution Processable n-Type Semiconductors Based on Unsymmetrical Naphthalene Imides: Synthesis, Characterization, and Applications in field-effect transistors", *Chem. Asian J.*, **2014**, *9*, 253-260.

Year 2013

[61] Qun Ye, Zhe Sun, Chunyan Chi*, Jishan Wu*, "Linking theory to reactivity and properties of nanographenes", Chapter 19 in the book "**Graphene Chemistry: Theoretical Perspectives**", Willey-VCH, **2013**, Chapter 17.

[60] Zebing Zeng, Sangsu Lee, Jos_ L. Zafra, Masatoshi Ishida, Xiaojian Zhu, Zhe Sun, Yong Ni, Richard D. Webster, Run-Wei Li, Juan T. L_pez Navarrete,* Chunyan Chi,* Jun Ding,* Juan Casado,* Dongho Kim,* and Jishan Wu* "Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Near-Infrared Absorption" *Angew. Chem. Int. Ed.* **2013**, *52*, 8561-8565.

[59] Chenhua Tong, Jingjing Chang, Jun Min Tan, Gaole Dai, Kuo-Wei Huang, Hardy Sze On Chan* and Chunyan Chi* "Bisacenaphthopyrazinoquinoxaline derivatives: synthesis, physical properties and applications as semiconductors for n-channel field effect transistors" *Org. Biomol. Chem.*, **2013**, *11*, 5683-5691.

[58] Qun Ye, Jing-Jing Chang, Kuo-Wei Huang, Gaole Dai and Chunyan Chi*, "TCNQ-embedded heptacene and nonacene: synthesis, characterization and physical properties", *Org. Biomol. Chem.*, **2013**, *11*, 6285-6291.

[57] Jing-Jing Chang, Zhenhua Lin, Chun-Xiang Zhu, Chunyan Chi, Jie Zhang*, and Jishan Wu*, "Solution-Processed LiF-Doped ZnO Films for High Performance Low Temperature Field Effect Transistors and Inverted Solar Cells", *ACS Appl. Mater. Interfaces* **2013**, *5*, 6687-6693.

[56] Xueliang Shi, Jingjing Chang and Chunyan Chi*, "Solution-processable n-type and ambipolar semiconductors based on a fused cyclopentadithiophenebis(dicyanovinylene) core" *Chem. Commun.* **2013**, *49*, 7135-7137.

[55] Zebing Zeng, Masatoshi Ishida, José L. Zafra, Xiaojian Zhu, Young Mo Sung, Nina Bao, Richard D. Webster, Byung Sun Lee, Run-Wei Li, Wangdong Zeng, Yuan Li, Chunyan Chi, Juan T. López Navarrete, Jun Ding,* Juan Casado,* Dongho Kim,* and Jishan Wu*, "Pushing Extended *p*-Quinodimethanes to the Limit: Stable Tetracyano-oligo(N-annulated perylene)quinodimethanes with Tunable Ground States", *J. Am. Chem. Soc.* **2013**, *135*, 6363-6371.

[54] Jingjing Chang, Jinjun Shao, Jie Zhang, Jishan Wu, Chunyan Chi*, "A phthalimide-fused naphthalene dimide with high electron affinity for high performance *n*-channel field effect transistor", *RSC Advances* **2013**, *3*, 6775-6778.

[53] Qun Ye, Jingjing Chang, Kuo-Wei Huang, Xueliang Shi, Jishan Wu, Chunyan Chi*, "Cyanated diaza-tetracene diimides with ultra-high electron affinity for n-channel field effect transistors", *Org. Lett.* **2013**, *15*, 1194-1197.

[52] Jingjing Chang, Hemi Qu, Zi-En Ooi, Jie Zhang, Zhikuan Chen, Jishan Wu, Chunyan Chi*, "6,13-Dicyano pentacene-2,3:9,10-bis(dicarboximide) for solution-processed air-stable n-channel field effect transistors and complementary circuit", *J. Mater. Chem. C* **2013**, *1*, 456-462.

Year 2012

[51] Zhe Sun, Qun Ye, Chunyan Chi*, Jishan Wu*, "Low band gap polycyclic hydrocarbons: from closed-shell near infrared dyes and semiconductors to open-shell radicals", *Chem. Soc. Rev.*, **2012**, *41*, 7857-7889.

[50] Jingjing Chang, Qun Ye, Kuo-Wei Huang, Jie Zhang, Zhi-Kuan Chen, Jishan Wu, Chunyan Chi*, "Stepwise Cyanation of Naphthalene Diimide for n-Channel Field-Effect Transistors", *Org. Lett.*, **2012**, *14*, 2964-2967.

[49] Qun Ye, Jingjing Chang, Kuo-Wei Huang, Gaole Dai, Jie Zhang, Zhi-Kuan Chen, Jishan Wu, Chunyan Chi*, "Incorporating TCNQ into Thiophene-Fused Heptacene for n-Channel Field Effect Transistor", *Org. Lett.*, **2012**, *14*, 2786-2789. (**Highlighted in SYNFACTS 2012, 8, 0846**)

[48] Chenghua Tong, Wenguang Zhao, Jing Luo, Hongying Mao, Wei Chen, Hardy Sze On Chan*, Chunyan Chi*, "Large-Size Linear and Star-Shaped Dihydropyrazine Fused Pyrazinacenes", *Org. Lett.*, **2012**, *14*, 494-497. (**Highlighted in SYNFACTS 2012, 8, 0393**)

[47] Jinjun Shao, Jingjing Chang, Chunyan Chi*, "Linear and star-shaped pyrazine-containing acene dicarboximides with high electron-affinity", *Org. Biomol. Chem.*, **2012**, *10*, 7045-7052.

[46] Gaole Dai, Jingjing Chang, Jishan Wu, Chunyan Chi*, "Dithieno-naphthalimide based copolymers for air-stable field effect transistors: synthesis, characterization and device performance", *J. Mater. Chem.* **2012**, *22*, 21201-21209.

[45] Qun Ye, Jingjing Chang, Jinjun Shao, Chunyan Chi*, "Large Core-expanded Triazatruxenebased Discotic Liquid Crystals: Synthesis, Characterization and Physical Properties", *J. Mater. Chem.* **2012**, *22*, 13180-13186.

[44] Di Wu, Hua Zhang, Jinhua Liang, Haojie Ge, Chunyan Chi, Jishan Wu, Sheng Hua Liu*, Jun Yin*, "Functionalized Coronenes: Synthesis, Solid Structure, and Properties" *J. Org. Chem.* **2012**, *77*, 11319-11324.

Year 2011

[43] Qun Ye, Jingjing Chang, Kuo-Wei Huang, Chunyan Chi*, "Thiophene-fused Tetracene Diimide with Low Band Gap and Ambipolar Behavior", *Org. Lett.* **2011**, *13*, 5960-5963.

[42] Qun Ye, Chunyan Chi* "Conjugated Polymers for Organic Solar Cells", **invited book chapter** for the book "**Solar Cells/Book 2**", ISBN: 978-953-307-1342-1, InTech Publisher, **2011**, 453-474.

[41] Hemi Qu, Weibin Cui, Jinling Li, Jinjun Shao, and Chunyan Chi* "6, 13-Dibromopentacene [2,3:9,10]-Bis(dicarboximide): A Versatile Building Block for Stable Pentacene Derivatives" *Org. Lett.*, **2011**, *13*, 924-927. (**Highlighted in SYNFACTS 2011, 5, 0492**)

[40] Jinjun Shao, Zhenping Guan, Yongli Yan, Chongjun Jiao, Qing-Hua Xu*, Chunyan Chi*, "Synthesis and Characterizations of Star-shaped Octupolar Triazatruxenes-Based Two-photon Absorption Chromophores" *J. Org. Chem.*, **2011**, *76*, 780-790.

[39] Chongjun Jiao, Kuo-Wei Huang, Chunyan Chi, Jishan Wu*, "Doubly and Triply Linked Porphyrin-Perylene Monoimides as Near IR Dyes with Large Dipole Moments and High Photostability", *J. Org. Chem.* **2011**, *76*, 661-664.

Year 2010

[38] Jing Luo, Kuo-Wei Huang, Hemi Qu, Xiaojie Zhang, Lijun Zhu, Hardy Sze On Chan, Chunyan Chi* "H-shaped Oligothiophenes with Low Band Gaps and Amphoteric Redox Properties" *Org. Lett.*, **2010**, *12*, 5660-5663.

[37] Hemi Qu, Chunyan Chi* "A Stable Heptacene Derivative Substituted with Electron-deficient Trifluoromethylphenyl and Triisopropylsilylethynyl Groups" *Org. Lett.*, **2010**, *12*, 3360-3363.

[36] Hemi Qu, Chunyan Chi*, *invited review article*, "Synthetic Chemistry of Acenes and Heteroacenes", *Curr. Org. Chem.*, **2010**, *14*, 2070-2108.

[35] Jing Luo, Baomin Zhao, Hardy Sze On Chan, Chunyan Chi*, "Synthesis, Physical Properties and Self-assembly of Star-shaped Oligothiophenes-Substituted and Fused Triphenylenes" *J. Mater. Chem.*, **2010**, *20*, 1932-1941.

[34] Hemi Qu, Jing Luo, Xiaojie Zhang, Chunyan Chi*, "Dicarboximide-substituted Poly(pphenylene vinylenes) with High Electron Affinity" *J. Polym. Sci. Part A: Polym Chem.*, **2010**, *48*, 186-194. (**Highlighted in SYNFACTS 2010, 4, 0420**)

[33] Baomin Zhao, Bo Liu, Rui Qi Png, Kai Zhang, Kheng Aik Lim, Jing Luo, Jinjun Shao, Peter K. H. Ho, Chunyan Chi*, and Jishan Wu* "New Discotic Mesogens Based on Triphenylene-fused Triazatruxenes: Synthesis, Physical Properties, and Self-assembly" *Chem. Mater.*, **2010**, *22*, 435-449.

[32] Xiaojie Zhang, Xiaoxia Jiang, Jing Luo, Chunyan Chi, Hongzhen Chen*, Jishan Wu*, "A Cruciform 6, 6-Dipentacenyli: Synthesis, Solid-State Packing and Applications in Thin-Film Transistors" *Chem. Eur. J.*, **2010**, *16*, 464-468.

[31] Xiaojie Zhang; Xiaoxia Jiang, Kai Zhang, Lu, Mao, Jing, Luo, Chunyan Chi, Hardy Sze On Chan, Jishan Wu*, "Synthesis, Self-Assembly, and Charge Transporting Property of Contorted Tetrabenzocoronenes", *J. Org. Chem.* **2010**, 75, 8069-8077.

[30] Xiaojie Zhang, Jinling Li, Hemi Qu, Chunyan Chi, Jishan Wu*, "Fused Bispentacenequinone and Its Unexpected Michael Addition", *Org. Lett.* **2010**, 12, 3946-3949.

[29] Jun Yin, Kai Zhang, Chongjun Jiao, Jinling Li, Chunyan Chi, Jishan Wu*, "Synthesis of functionalized tetracene dicarboxylic imides" *Tetrahedron Letters*, **2010**, 51, 6313-6315.

[28] Jun Yin, Chunyan Chi, Jishan Wu*, "Efficient synthesis of a hetero[4]rotaxane by a "threadingstopping- followed-by-clipping" approach" *Org. Biomol. Chem.* **2010**, 8, 2594-2599.

[27] Kai Zhang, Vineet, Dwivedi, Chunyan Chi, Jishan Wu*, "Graphene oxide/ferric hydroxide composites for efficient arsenate removal from drinking water", *Journal of Hazardous Materials*, **2010**, 182, Issue: 1-3, 162-168.

[26] Jinling Li, Kai Zhang, Xiaojie Zhang, Kuo-Wei Huang, Chunyan Chi, Jishan Wu*, "Mesosubstituted Bisanthenes as Soluble and Stable near-infrared Dyes" *J. Org. Chem.* **2010**, 75, 856-863.

Year 2009

[25] Jing Luo, Baomin Zhao, Jinjun Shao, Kheng Aik Lim, Hardy Sze On Chan, Chunyan Chi*, "Room-temperature Discotic Liquid Crystals Based on Oligothiophenes – Attached and Fused Triazatruxenes" *J. Mater. Chem.*, **2009**, 19, 8327-8334.

[24] Jing Luo, Hemi Qu, Jun Yin, Xiaojie Zhang, Kuo-Wei Huang, Chunyan Chi*, "Conjugated Oligothiophene-anthracene Co-oligomers: Synthesis, Physical Properties, and Self-assembly." *J. Mater. Chem.*, **2009**, 19, 8202-8211.

[23] Jun Yin, Hemi Qu, Kai Zhang, Jing Luo, Xiaojie Zhang, Chunyan Chi*, Jishan Wu*, "Electrondeficient Triphenylene and Trinaphthylene Carboximides" *Org. Lett.*, **2009**, 11, 3028-3031.

[22] Jun Yin, Chunyan Chi, Jishan Wu*, "Efficient Preparation of Separable Pseudo[n]rotaxanes by Selective Threading of Oligoalkylammonium Salts with Cucurbit[7]uril", *Chem. Eur. J.* **2009**, 15, 6050-6057.

[21] Chongjun Jiao, Kuo-Wei Huang, Jing Luo, Kai Zhang, Chunyan Chi, Jishan Wu*, "Bis-Annulated Quaterylenebis(dicarboximide)s As A New Soluble And Stable NIR Dye" *Org. Lett.*, **2009**, *11*, 4508-4511.

[20] Kai Zhang, Kuo-Wei Huang, Jinling Li, Jing Luo, Chunyan Chi, Jishan Wu* "A Soluble and Stable Quinoidal Bisanthene with NIR Absorption and Amphoteric Redox Behavior" *Org. Lett.*, **2009**, *11*, 4854-4857.

[19] Junhong Yao, Chunyan Chi, Jishan Wu*, Kian Ping Loh*, "Bisanthracene Bis(dicarboxylic imide)s as Soluble and Stable NIR Dyes" *Chem. Eur. J.*, **2009**, *15*, 9299-9302.

[18] Lizhong He*, Sabine André, Vasil M. Garamus, Hans-Christian Siebert, Chunyan Chi, Bernd Niemeyer and Hans-Joachim Gabius, "Small Angle Neutron Scattering as Sensitive Tool to Detect Ligand-dependent Shape Changes in a Plant Lectin with α -trefoil Folding and Their Dependence on the Nature of the Solvent." *Glycoconjugate Journal*, **2009**, *26*, 111-116. (Impact factor: 2.065)

Year 2007-2008

[17] Chunyan Chi, Arkadius Chworos, Jinping Zhang, Alexander Mikhailovsky and Guillermo C. Bazan*, "Anatomy and Growth Characteristics of Conjugated Polyelectrolyte/DNA Aggregates." *Adv. Funct. Mater.* **2008**, *18*, 3606-3612. **Inside Front Cover** in issue 22, November 24, 2008.

[16] Gerhard Wegner*, Stanislav Balushev, Frederic Laquai, Chunyan Chi, "Managing Photoexcited States in Conjugated Polymers" *Macromol. Symp.* **2008**, *268*, 1-8.

[15] Chunyan Chi, Alexander Mikhailovsky and Guillermo C. Bazan*, "Design of Cationic Conjugated Polyelectrolytes for DNA Concentration Determination" *J. Am. Chem. Soc.* **2007**, *129*, 11134-11145.

Year 2000-2006

[14] Chunyan Chi, Chan Im, Gerhard Wegner* "Lifetime Determination of Fluorescence and Phosphorescence of a Series of Oligofluorenes" *J. Chem. Phys.*, **2006**, *124*, 024907.

[13] E. Somma, B. Loppinet, Chunyan Chi, G. Fytas*, G. Wegner* "Static and Dynamic Solution Properties of Monodisperse Oligofluorenes" *Phys. Chem. Chem. Phys.*, **2006**, *8*, 2773-2778.

- [12] E. Somma, Chunyan Chi, B. Loppinet, J. Grinshtein, R. Graf, G. Fytas*, H. W. Spiess, G. Wegner* "Orientation Dynamics in Isotropic Phases of Model Oligofluorenes: Glass or Liquid crystal" *J. Chem. Phys.*, **2006**, *124*, 204910.
- [11] Chunyan Chi, Chan Im, Volker Enkelmann, Andreas Ziegler, Günter Lieser, Gerhard Wegner* "Monodisperse Oligofluorenes with Keto Defect as Models to Investigate the Origin of Green Emission From Polyfluorenes: Synthesis, Self-assembly, and Photophysical Properties." *Chem. Eur. J.*, **2005**, *11*, 6833-6845.
- [10] Chunyan Chi, Gerhard Wegner* "Chain-Length Dependence of the Electrochemical Properties of Conjugated Oligofluorenes." *Macromol. Rapid Commun.*, **2005**, *26*, 1532-1537.
- [9] Chunyan Chi, Günter Lieser, Volker Enkelmann, Gerhard Wegner* "Packing and Uniaxial Alignment of Liquid Crystalline Oligofluorenes" *Macromol. Chem. Phys.*, **2005**, *206*, 1597-1609.
- [8] Jungho Jo,† Chunyan Chi,† Sigurd Höger, Gerhard Wegner*, and Do Y. Yoon*, "Synthesis and Characterization of Monodisperse Oligofluorenes." *Chem. Eur. J.* **2004**, *10*, 2681-2688. (†equal contribution)
- [7] P. Papadopoulos, G. Floudas*, Chunyan Chi, G. Wegner* "Molecular Dynamics of Oligofluorenes: A Dielectric Spectroscopy Investigation." *J. Chem. Phys.* **2004**, *120*, 2368-2374.
- [6] Menglin Chen, Chunyan Chi, Xianhong Wang*, Xiaojiang Zhao, Ji Li, Fosong Wang "Synthesis of Amino-centered, Nitro-capped Phenylacetylene-monodendrons" *Chem. J. Chin. Uni.* **2004**, *25*, 1359-1362.
- [5] Chunyan Chi, Jishan Wu, Xianhong Wang*, Xiaojiang Zhao, Ji Li and Fosong Wang. "A New Solid-Supported Iterative Divergent/Convergent Strategy for the Synthesis of Dendrimers." *Tetrahedron Lett.* **2001**, *42*, 2181-2184.
- [4] Chunyan Chi, Jishan Wu, Xianhong Wang*, Xiaojiang Zhao, Ji Li and Fosong Wang. "Redoxactive Phenylacetylene Monodendrons: Rapid Solid-Phase Synthesis and Their Electrochemical Properties." *Macromolecules* **2001**, *34*, 3812-3814.
- [3] Jishan Wu, Chunyan Chi, Xianhong Wang*, Xiaojiang Zhao, Ji Li, and Fosong Wang "Rapid Electron Propagation Through Molecular Wire Monolayers Sandwiched Between Two Gold Electrodes." *Synth. Met.* **2001**, *121*, 1269-1270.

[2] Jishan Wu, Chunyan Chi, Xianhong Wang*, Xiaojiang Zhao, Ji Li, and Fosong Wang "One-Pot Procedure to Prepare Ethynylferrocene and Iodoethynylferrocene." *Chin. Chem. Lett.* **2001**, *12*, 387-390.

[1] Jishan Wu, Chunyan Chi, Xianhong Wang*, Xiaojiang Zhao, Ji Li, and Fosong Wang "One-Pot Procedure to Prepare S-protected 4-iodothiophenol." *Synth. Commun.* **2000**, *30*, 4293-4298.