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教育经历:

2004-2009 理学博士 复旦大学先进材料实验室 导师：黄维院士、韦玮教授

2000-2004 理学学士 复旦大学高分子科学系

工作经历:

2017.10-2018.10 美国德克萨斯大学奥斯汀分校，高级访学学者

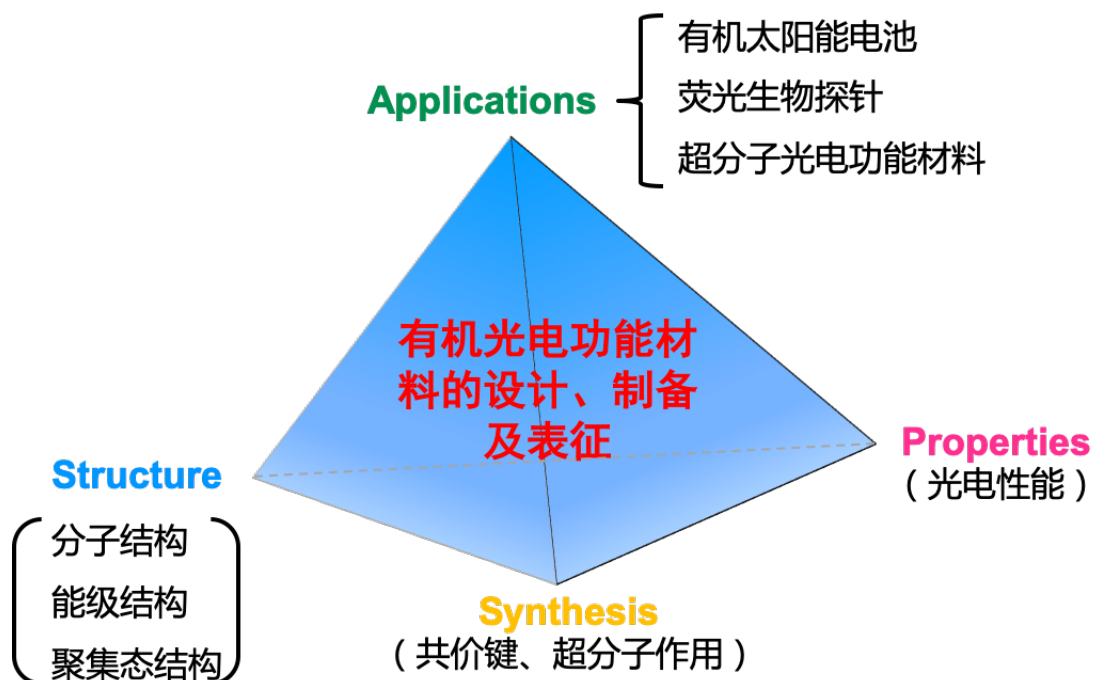
2013.03-至今 上海大学化学系，副教授

2009.07-2013.03 上海大学化学系，讲师

基金资助:

1. 国家自然科学基金面上项目 21975153，2020.01~2023.12
2. 上海市浦江人才计划 2019PJD017，2020.01~2021.12
3. 国家自然科学基金面上项目 61774099，2018.01~2018.12
4. 上海市教委创新项目 15ZZ047，2015.01~2017.12
5. 国家自然科学基金青年项目 61204020，2013.01~2015.12
6. 其他项目：复旦大学聚合物分子工程国家重点实验室开放基金两项，上海大学创新基金，上海市教委青年教师科研专项基金等

主要研究方向：有机光电功能材料的制备及性能研究



近期发表的研究论文：

1. Yuren Sun, Jun Gu, **Hongyu Wang**, Jonathan L. Sessler,* Pall Thordarson,* Yue-Jian Lin, Hegui Gong*. AAAA-DDDD Quadruple H-bond-assisted ionic interactions: Robust bis(guanidinium)/dicarboxylate heteroduplexes in water. *Journal of the American Chemical Society*, **2019**, 141(51), 20146-20154.
2. Xiaohua Wang, Bin Jiang, Chenchen Du, Xiaolei Ren, Zhiming Duan, **Hongyu Wang***. Fluorinated dithienyl-diketopyrrolopyrrole: a new building block for organic optoelectronic materials. *New Journal of Chemistry*, **2019**, 43, 16411-16420.
3. Shibo Fu, Xiang Wan, Chenchen Du, **Hongyu Wang***, Juan Zhou*, Zhong Wang*. A novel fluorescent probe for the early detection of prostate cancer based on endogenous zinc sensing. *The Prostate*, **2019**, 79, 1406-1413.
4. Chenchen Du, Shibo Fu, Xiaohua Wang, Adam C. Sedgwick, Wei Zhen, Minjie Li, Xinqiang Li, Juan Zhou*, Zhong Wang*, **Hongyu Wang***, Jonathan L. Sessler*. Diketopyrrolopyrrole-based fluorescence probes for the imaging of lysosomal Zn²⁺ and identification of prostate cancer in human tissue. *Chemical*

Science, **2019**, 10, 5699-5704.

5. Xiaolei Ren, Xiaohua Wang, Yuren Sun, Xiaodong Chi, Daniel Mangel, **Hongyu Wang***, Jonathan L. Sessler*. Amidinium–carboxylate salt bridge mediated proton-coupled electron transfer in a donor–acceptor supramolecular system. *Organic Chemistry Frontiers*, **2019**, 6, 584-590.
6. Chenchen Du, Shibo Fu, Xiaolei Ren, Xiaohua Wang, Zhong Wang*, Juan Zhou*, **Hongyu Wang***. A diketopyrrolopyrrole-based fluorescent probe for investigating mitochondrial zinc ions. *New Journal of Chemistry*, **2018**, 42, 3493-3502.
7. Ming Chen, Chenchen Du, Xiaolei Ren, Maoheng Yi, Jinduo Yi, Chufeng Chen, Feng Liu, Minjie Li*, Changqi Ma*, **Hongyu Wang***. Phthalimide and Naphthalimide end-Capped Diketopyrrolopyrrole for Organic Photovoltaic Applications. *Chinese Journal of Chemistry*, **2017**, 35, 1396-1404.
8. Jin-Long Wang, Xue-Qiang Chen, Xiang Yao, Si-Cheng Wu, Li-Na Liu, Wen-Jing Xiao, **Hongyu Wang***, Jingjing Li, Zhengquan Lu*, Wei-Shi Li. An acrylated fullerene derivative for efficient and thermally stable polymer solar cells. *Tetrahedron Letters*, **2017**, 58(28), 2695-2699.
9. Ming Chen, Maoheng Yi, Jinduo Yi, Minjie Li, Chenchen Du, Kunhua Lin, Weiqi Tong, Changqi Ma*, Feng Liu*, **Hongyu Wang***. Vinazene end-capped acceptor-donor-acceptor type small molecule for solution-processed organic solar cells. *Organic Electronics*, **2017**, 44, 11-19.
10. Maoheng Yi, Jinduo Yi, Junkai Wang, Lilei Wang, Wei Gao, Yi Lin, Qun Luo, Hongwei Tan, Chang-Qi Ma*, **Hongyu Wang***. Perylenediimide derivatives based on a dendritic oligothiophene core as electron acceptor for use in polymer solar cells. *Dyes and Pigments*, **2017**, 139, 498-508.
11. Jinduo Yi, Junkai Wang, Yi Lin, Wei Gao, Yuchao Ma, Hongwei Tan, **Hongyu Wang***, Chang-Qi Ma*. Molecular geometry regulation of bay-phenyl substituted perylenediimide derivatives with bulky alkyl chain for use in organic solar cells as the electron acceptor. *Dyes and Pigments*, **2017**, 136, 335-346.
12. Bin Jiang, Chen Chen Du, Min Jie Li, Ke Gao, Li Kou, Ming Chen, Feng Liu,* Thomas P. Russell*, **Hongyu Wang***. Synthesis of fluorinated diphenyl-diketopyrrolopyrrole derivatives as new building blocks for conjugated

- copolymers. *Polymer Chemistry*, **2016**, 7(19), 3311-3324.
13. Jinduo Yi, Yiling Wang, Qun Luo, Yi Lin, Hongwei Tan, **Hongyu Wang**, Chang-Qi Ma*. A 9,9'-spirobi[9H-fluorene]-cored perylenediimide derivative and its application in organic solar cells as a non-fullerene acceptor. *Chemical Communications*, **2016**, 52(8), 1649-1652.
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 15. **Hongyu Wang***, Ming Chen, Bin Jiang, Weiqi Tong, Qun Qian, Kunhua Lin, Feng Liu*. Solution-processable platinum-acetylide-based small molecular bulk heterojunction solar cells. *Chinese Journal of Chemistry*, **2015**, 33(8), 917-924.
 16. **Hongyu Wang***, Yimin Ding, Yanbang Lai, Zhiwei Sun, Yao Liu, Bin Jiang, Ming Chen, Jian Yao, Feng Liu*, Thomas P. Russell*. Ethynylene-linked benzo[1,2-*b*:4,5-*b'*]dithiophene-*alt*-diketopyrrolopyrrole alternating copolymer: optoelectronic properties, film morphology and photovoltaic applications. *Journal of Materials Chemistry A*, **2015**, 3(24), 12972-12981.
 17. Qingcai Yu, Weifei Fu, **Hongyu Wang**, Xiaofeng Wu, Junhua Wan*, Minmin Shi*, Hongzheng Chen. An efficient tin-free route to small molecules based on silole-modified pentathiophenes for solution-processed organic solar cells. *Asian Journal of Organic Chemistry*, **2014**, 3(9), 984-993.
 18. Yanbang Lai, Yimin Ding, **Hongyu Wang***. Structural modification of benzo[1,2-*b*:4,5-*b'*]dithiophene and application in organic photovoltaic materials. *Progress in Chemistry*, **2014**, 26(10), 1673-1689.
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22. **Hongyu Wang***, Jun Gao, Ling-Jie Gu, Jun-Hua Wan, Wei Wei, Feng Liu*, Structural modification of thieno[3,4-*c*]pyrrole-4,6-dione: structure–property relationships and application in solution-processed small-molecule organic solar cells. *Journal of Materials Chemistry A*, **2013**, 1(19), 5875-5885.
23. **Hongyu Wang***, Jun Gao, Weiqi Tong, Qun Qian, Kunhua Lin, Feng Liu*. Copolymerization of 3,3''-didodecylquaterthiophene with fluorene and silole units: improving photovoltaic performance by tuning energy levels. *Polymer Chemistry*, **2012**, 3(10), 2794-2800.
24. **Hongyu Wang**, Qun Qian, Kunhua Lin, Bo Peng, Wei Huang, Feng Liu*, Wei Wei*. Stable and good color purity white light-emitting devices based on random fluorene/spirofluorene copolymers doped with iridium complex. *Journal of Polymer Science: Part B: Polymer Physics*, **2012**, 50(3), 180-188.
25. **Hongyu Wang**, Feng Liu*, Linghai Xie, Chao Tang, Bo Peng, Wei Huang, Wei Wei*. Topological arrangement of fluorenyl-substituted carbazole triads and starbursts: synthesis and optoelectronic properties. *The Journal of Physical Chemistry C*, **2011**, 115(14), 6961-6967.
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27. **Hongyu Wang**, Jianming Lin, Wei Huang, Wei Wei*, Fluorescence “turn-on” metal ion sensors based on switching of intramolecular charge transfer of donor-acceptor systems. *Sensors and Actuators B: Chemical*, **2010**, 150(2), 798-805.