

# 个 人 简 历

姓 名	陈宇	学 历	博士研究生
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出生年月	1987.08	籍 贯	四川宜宾
民 族	汉族	政 治 面 貌	中共党员
毕业学校	中科院化学所	专 业	高分子化学与物理

## 教育经历

2005.9-2009.6	北京化工大学	高分子科学与工程	学士
2009.9-2012.6	北京化工大学	材料科学与工程	硕士
2012.9-2015.6	中科院化学所	高分子化学与物理	博士

## 工作经历

2015.7-2015.11	中航工业北京航材院	工程师
2015.12-今	国家纳米中心	博士后

## 以往工作业绩:

### 领导或参与过的项目:

以项目负责人及项目主持人的身份取得并主持中国科学院及中国博士后科学基金会支持项目共两项:

Y6831Z11GJ	“率先行动”联合资助优秀博士后项目	项目金额: 20 万
Y7B91Z11GJ	中国博士后科学基金面上资助项目	项目金额: 5 万

此外, 还参与完成了国家 973 计划、863 计划、国家国际科技合作专项项目、中国科学院先导专项、国家自然科学基金、北京市科技计划等多项国家或地区重点科研项目。

## 代表性论文 (著):

### 第一作者及通讯作者:

- **Yu Chen**, Yunpeng Qin, Yang Wu, Cheng Li, Huifeng Yao, Ningning liang, Xiaochen Wang, Weiwei Li, Wei Ma,\* and Jianhui Hou\*. “From Binary to Ternary: Improving the External Quantum Efficiency of the Small Molecule Acceptor-Based Polymer Solar Cells with a Minute Amount of Fullerene Sensitization”. *Adv. Energy. Mater.* 2017, DOI:10.1002/aenm.201700328. (IF = 16.72)
- Yunpeng Qin, **Yu Chen**,\* Yong Cui, Shaoqing Zhang, Huifeng Yao, Jiang Huang,\* Wanning Li, Zhong Zheng, and Jianhui Hou\*. “Achieving 12.8% Efficiency by Simultaneously Improving Open-Circuit Voltage and Short-Circuit Current Density in Tandem Organic Solar Cells”. *Adv. Mater.*

2017, 29, 1606340. (IF = 19.79) (迄今世界最高效率之一)

➤ Bei Yang, Shaoqing Zhang, **Yu Chen,\*** Yong Cui, Delong Liu, Huifeng Yao, Jianqi Zhang,\* Zhixiang Wei, and Jianhui Hou\*. “Investigation of Conjugated Polymers Based on Naphtho[2,3-c]thiophene-4,9-dione in Fullerene-Based and Fullerene-Free Polymer Solar Cells”. *Macromolecules*, 2017, 50, 1453. (IF = 5.84)

➤ Yunpeng Qin, Mohammad Afsar Uddin, **Yu Chen,\*** Bomee Jang, Kang Zhao, Zhong Zheng, Runnan Yu, Tae Joo Shin, Han Young Woo\* and Jianhui Hou\*. “Highly Efficient Fullerene-Free Polymer Solar Cells Fabricated with Polythiophene Derivative”. *Adv. Mater.* 2016, 28, 9416. (IF = 19.79)

➤ **Yu Chen,** Yong Cui, Shaoqing Zhang and Jianhui Hou\*. “Molecular design toward efficient polymer solar cells processed by green solvents”. *Polym. Chem.* 2015, 6, 4089. (IF = 5.38)

➤ **Yu Chen,** Shaoqing Zhang, Yue Wu, Jianhui Hou\*. “Molecular Design and Morphology Control Towards Efficient Polymer Solar Cells Processed using Non-aromatic and Non-chlorinated Solvents”. *Adv. Mater.* 2014, 26, 2744. (IF = 19.79) (首次实现无芳香无卤溶剂制备高性能有机光伏电池)

➤ **Yu Chen,** Zhitao Jiang, Mei Gao, Scott E. Watkins, Ping Lu, Haiqiao Wang, and Xiwen Chen\*. “Efficiency enhancement for bulk heterojunction photovoltaic cells via incorporation of alcohol soluble conjugated polymer interlayer”. *Applied Physics Letters*, 2012, 100, 203304. (IF = 3.41)

共同作者:

➤ Huifeng Yao, **Yu Chen,** Yunpeng Qin, Runnan Yu, Yong Cui, Bei Yang, Sunsun Li, Kai Zhang and Jianhui Hou\*. “Design and Synthesis of a Low Bandgap Small Molecule Acceptor for Efficient Polymer Solar Cells”. *Adv. Mater.* 2016, 28, 8283. (IF = 19.79)

➤ Xiaochen Wang, Ailing Tang, **Yu Chen,** Asif Mahmood, Jianhui Hou, Zhixiang Wei and Erjun Zhou\*. “Effect of fluorination and symmetry on the properties of polymeric photovoltaic materials based on an asymmetric building block”. *RSC Adv.* 2016, 6, 90051. (IF = 3.11)

➤ Zhong Zheng, Shaoqing Zhang, Maojie Zhang, Kang Zhao, Long Ye, **Yu Chen,** Bei Yang and Jianhui Hou\*. “Highly Efficient Tandem Polymer Solar Cells with a Photovoltaic Response in the Visible Light Range”. *Adv. Mater.* 2015, 27, 1189. (IF = 19.79)

➤ Delong Liu, Wenchao Zhao, Shaoqing Zhang, Long Ye, Zhong Zheng, Yong Cui, **Yu Chen** and Jianhui Hou\*. “Highly Efficient Photovoltaic Polymers Based on Benzodithiophene and Quinoxaline with Deeper HOMO Levels”. *Macromolecules*, 2015, 48, 5172. (IF = 5.84)

➤ Xiaochen Wang, Pei Jiang, **Yu Chen,** Hao Luo, Zhiguo Zhang, Haiqiao Wang\*, Xiaoyu Li\*, Gui Yu\*, and Yongfang Li\*. “Thieno[3,2-b]thiophene-Bridged D- $\pi$ -A Polymer Semiconductor Based on Benzo[1,2-b:4,5-b']dithiophene and Benzoxadiazole”. *Macromolecules*, 2013, 46, 4805. (IF = 5.84)

➤ Deng Hong, Menglan Lv, Ming Lei\*, **Yu Chen,** Ping Lu, Yanguang Wang, Jin Zhu\*, Haiqiao Wang, Mei Gao, Scott E. Watkins, and Xiwen Chen\*. “N-Acyldithieno[3,2-b:2',3'-d]pyrrole-Based Low-Band-Gap Conjugated Polymer Solar Cells with Amine-Modified [6,6]-Phenyl-C61-butylbutyric Acid Ester Cathode Interlayers”. *ACS Appl. Mater. Interfaces.* 2013, 5, 10995. (IF = 7.50)

**其他：**

博士阶段：中科院化学所所长奖学金；中科院化学所高分子青年学术论坛优秀报告奖；中科院化学所郝氏碳纤维三等奖学金；中科院化学所青年科学奖优秀奖

硕士阶段：北京化工大学优秀研究生；北京化工大学优秀毕业生；北京化工大学研究生一等学费奖学金；北京化工大学优秀学生党员；北京化工大学优秀党员学生干部；澳大利亚高分子年会优秀墙报奖

本科阶段：北京化工大学优秀学士毕业论文；北京化工大学一等人民奖学金