



# 苏州大学

## 材料与化学化工学部

College of Chemistry, Chemical Engineering and Materials Science of Soochow University



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师资队伍

材料学院

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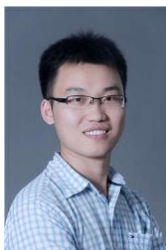
按学院分类

讲客座教授

名师介绍

博士研究生导师

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### 学历及学术经历：

2006年本科毕业于苏州大学化学工程与工艺专业，从事氧负离子聚合的研究工作；2006年9月开始在苏州大学攻读高分子化学与物理专业硕士学位，2008年被保送提前攻读博士学位，从事生物可降解聚磷酸酯的合成及其用于药物控释载体的研究工作，博士论文课题获“江苏省2009年度普通高校研究生科研创新计划项目”资助。博士在读期间，获得2010年国际高分子化学学术讨论会（PC2010）—“优秀墙报奖”和2010年江苏省博士学术论坛（化学与绿色化工）—“优秀论文奖”，并荣获国家留学基金委公派留学基金资助，于2010年8月至2011年10月，在美国Akron大学高分子科学与工程学院、美国工程院院土程正迪教授课题组进行联合培养博士学习，从事高真空活性负离子聚合方法及其在星形聚合物合成中的应用工作。2012年6月毕业于苏州大学高分子化学与物理专业，获理学博士学位并留校任教，2015年7月晋升为副教授。目前已在 *PNAS*、*Macromolecules*、*Appl. Mater. Today*、*Soft Matter*、*Polym. Chem.*、*Bioconjugate Chem.*、*J. Mater. Chem. B*、*Macromol. Rapid Commun.*、《高分子学报》等专业刊物发表研究论文70余篇，现主持国家自然科学基金面上项目1项、江苏省自然科学基金面上项目1项，已顺利结题国家自然科学基金青年基金、江苏省自然科学基金青年基金、高等学校博士学科点专项科研基金等科研项目6项。受邀担任 *ACS Nano*、*Macromolecules*、*Chem. Mater.*、*Chem. Comm.*、*ACS Appl. Mater. Interfaces*、*Anal. Chem.*、*J. Mater. Chem. B*、*Acta Biomaterialia*、*ACS Biomater. Sci. Eng.*、*Polym. Chem.*、*Polymer*、*Colloid Surface B*、*Appl. Surface Sci.*、*Drug Delivery*等SCI学术期刊的审稿专家。

### 主要研究方向：

- (1) 高分子合成方法与高效的有机化学反应相结合，制备功能性拓扑结构聚合物，实验室拥有一套可用于活性负离子聚合研究的高真空装置；
- (2) 基于生物可降解聚合物（聚磷酸酯、脂肪族聚酯、葡聚糖、透明质酸等）的抗肿瘤高分子药物载体、聚合物前药、以及水凝胶支架材料。

### 近几年主持的科研项目：

- (1) 国家自然科学基金面上项目（21774081），2018.01-2021.12，项目负责人。
- (2) 江苏省自然科学基金面上项目（BK20171212），2017.07-2020.06，项目负责人。
- (3) 江南大学合成与生物胶体教育部重点实验室开放课题基金（JDSJ2017-05），2018.01-2019.12，项目负责人。
- (4) 北京分子科学国家实验室开放课题基金（20140152），2015.01-2016.12，项目负责人。
- (5) 国家自然科学基金青年科学基金项目（21304061），2014.01-2016.12，项目负责人。
- (6) 高等学校博士学科点专项科研基金新教师类资助课题（20133201120007），2014.01-2016.12，项目负责人。
- (7) 江苏省自然科学基金青年基金项目（BK20130286），2013.07-2016.06，项目负责人。
- (8) 江苏省高校自然科学研究面上项目（13KJB150034），2013.08-2015.12，项目负责人。
- (9) 中国博士后科学基金（2013M531396），2012.09-2014.09，项目负责人。

### 代表性论文：（<http://web.suda.edu.cn/jlhe>）

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- (2) Pengfei Ju,<sup>‡</sup> Jian Hu,<sup>‡</sup> Fei Li, Youwen Cao, Lei Li, Dongjian Shi, Ying Hao, Mingzu Zhang, **Jinlin He**\*, Peihong Ni\*. "A biodegradable polyphosphoester-functionalized poly(disulfide)s nanocarrier for reduction-triggered intracellular drug delivery", *J. Mater. Chem. B*, **2018**, doi: 10.1039/C8TB01566J. (<sup>‡</sup> Equal contribution) (Invited Article for **2018 Emerging Investigators Themed Issue**)
- (3) Yanyan Zhou, Lei Li, Wei Chen, Dian Li, Nianchen Zhou, **Jinlin He**\*, Peihong Ni, Zhengbiao Zhang\*, Xiulin Zhu. "Twin-tailed tadpole-shaped amphiphilic copolymer of poly(ethylene glycol) and cyclic poly( $\epsilon$ -caprolactone): Synthesis, self-assembly and biomedical application", *Polym. Chem.*, **2018**, *9*, 4343-4353.
- (4) Xiaoming Sun,<sup>‡</sup> Hongbo Zhang,<sup>‡</sup> **Jinlin He**,<sup>‡</sup> Ruoyu Cheng, Youwen Cao, Kunming Che, Liying Cheng, Lu Zhang, Guoqing Pan, Peihong Ni, Lianfu Deng, Yuguang Zhang\*, Hélder A. Santos\*, Wenguo Cui\*. "Adjustable hardness of hydrogel for promoting vascularization and maintaining stemness of stem Cells in skin flap regeneration", *Appl. Mater. Today*, **2018**, *13*, 54-63. (<sup>‡</sup> Equal contribution)

- (5) Peng-Fei Jin,<sup>‡</sup> Yu Shao,<sup>‡</sup> Guang-Zhong Yin, Shuguang Yang, **Jinlin He**, Peihong Ni, Wen-Bin Zhang\*. “Janus [3:5] polystyrene-polydimethylsiloxane star polymers with a cubic core”, *Macromolecules*, **2018**, *51*, 419-427. (<sup>‡</sup> Equal contribution)
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- (11) Xiao-Yan Tu, Chao Meng, Yun-Fei Wang, Li-Wei Ma, Bao-Yan Wang, **Jin-Lin He**, Pei-Hong Ni, Xiang-Ling Ji, Ming-Zhu Liu\* and Hua Wei\*. “Fabrication of Thermosensitive cyclic brush copolymer with enhanced therapeutic efficacy for anticancer drug delivery”, *Macromol. Rapid Commun.*, **2018**, *39*, 1700744(1-8).
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- (13) 徐俊, 钱强雨, **何金林**\*, 张明祖, 戴礼兴, 倪沛红. “负离子聚合制备环氧化八臂星形聚异戊二烯及其表征”, *高分子学报*, **2018**, *3*, 356-365.
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- (19) Qingqing Zhang, **Jinlin He**\*, Mingzu Zhang and Peihong Ni\*. “A polyphosphoester-conjugated camptothecin prodrug with disulfide linkage for potent reduction-triggered drug delivery”, *J. Mater. Chem. B*, **2015**, *3*, 4922-4932.
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- (23) 胡健, **何金林**, 张明祖, 倪沛红\*. “聚磷酸酯的合成及在生物医用材料中的应用”, *高分子通报*, **2015**, *10*, 51-65.
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- (35) 胡健,<sup>‡</sup> **何金林**,<sup>‡</sup>张明祖, 倪沛红\*. “点击化学在拓扑结构聚合物合成中的应用”, *高分子学报*, **2013**, 3, 300-319. (<sup>‡</sup>共同第一作者)