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## 人才队伍

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## 人才队伍

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### 简历：

2000年在中国科学院煤炭化学研究所获化学工艺学博士学位，2000年8月至2002年12月在中科院化学研究所博士后研究人员。2003年至2007年德国马普协会高分子研究所 (Max-Planck-Institute for Polymer Research) 工作。从2005年开始任马普高分子所课题组长 (Project leader)，领导一个课题组从事富碳化学与能源材料方面的研究工作。2007年9月加入国家纳米科学中心，被聘为研究员，博士生导师。

智林杰研究员课题组主页 (<http://www.nanoctr.cn/zhilinjie>)

### 研究领域：

富碳纳米材料的构建与结构控制  
高性能富碳纳米材料  
富碳纳米材料在能源与环境领域的应用

重点研究以高效、清洁能源为应用背景的多功能富碳纳米材料的设计、制备、组装及其化学及物理性质的调节和控制。主要涉及富碳超分子材料、有机/无机杂化材料、炭基材料及炭/金属杂化材料等。所得材料的应用研究主要涉及能源转化材料 (应用于锂离子电池、燃料电池、太阳能电池以及各种发光器件等)，能源储存材料 (应用于储氢材料、储热材料、磁性材料以及超级电容器等)，能源增效材料 (应用于金属及非金属催化材料、隔热材料、微耗传输材料等)，以及环境检测及修复材料 (应用于化学及物理传感材料、吸附材料等)。项目组主要针对能源及环境材料中存在的化学问题，在分子及纳米尺度上研究材料的结构性能关系，为设计和制备新型高效的纳米能源及环境材料提供实验依据。项目组与国内及国际上许多活跃的研究小组有紧密的合作关系，近年来在国际著名的学术刊物如 Nano Lett., Angew. Chem. Int. Ed., J. Am. Chem. Soc., Adv. Mater., Small 等上发表论文数十篇。

### 代表论著：

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#### 承担科研项目情况：

科技部863项目，科技部国际合作重点项目，中科院方向性项目