王晓工

教授，博士生导师

化工系高分子研究所

办公电话:**010－62784561**

E-mail : wxg-dce@tsinghua.edu.cn

ENGLISH Version -->

个人简介:

本科和研究生毕业于清华大学化工系高分子材料专业，获学士、硕士和博士学位。在周其庠教授指导下，博士论文研究液晶高分子的低维有序结构和分子理论等。1984年起在清华大学化工系任教，1998年晋升为教授。曾在日本东京工业大学高分子工学系（1985-86年）参加UNESCO国际研究生项目和美国麻州大学劳威尔分校（UMASS Lowell）先进材料中心（1994-97年）从事博士后研究。在日本东京工业大学安藤勋教授研究组期间，从事聚合物分子构型的核磁共振（NMR）分析和量子化学半经验计算等研究。在美国麻州大学劳威尔分校（UMASS Lowell）S. K. Tripathy教授研究组工作期间，从事非线性光学偶氮聚合物的合成、自组装和光响应性等研究工作。

近年来，主要从事功能高分子和高性能高分子新材料研究，特别是光响应性高分子、石墨烯自组装、液晶高分子、高分子理论和计算机模拟等研究。负责或已完成的研究项目包括国家自然科学基金委“国家杰出青年科学研究基金”、重点和面上项目，科技部973项目课题和863高新技术项目，多项国际合作项目等。目前研究兴趣主要包括：光响应性高分子、非线性光学高分子、光折变高分子、高分子自组装、刺激响应性水凝胶、液晶高分子、高分子的计算机模拟等。近年来，在J. Am. Chem. Soc., Adv. Mater., Adv. Funct. Mater., Macromolecules, Langmuir, Chem. Comm., Chem. Mater., J. Mater. Chem.等SCI收录的刊物上发表研究论文250余篇；获授权专利30余项（其中一项美国专利）。论文被引用4000余次。

从2002年到目前，一直担任“当代高分子化学”和“先进功能高分子材料”等研究生课程的教学工作。曾讲授过本科生“高分子化学”、“液晶高分子”、“专业英语”等课程。现指导博士和硕士研究生多名。

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