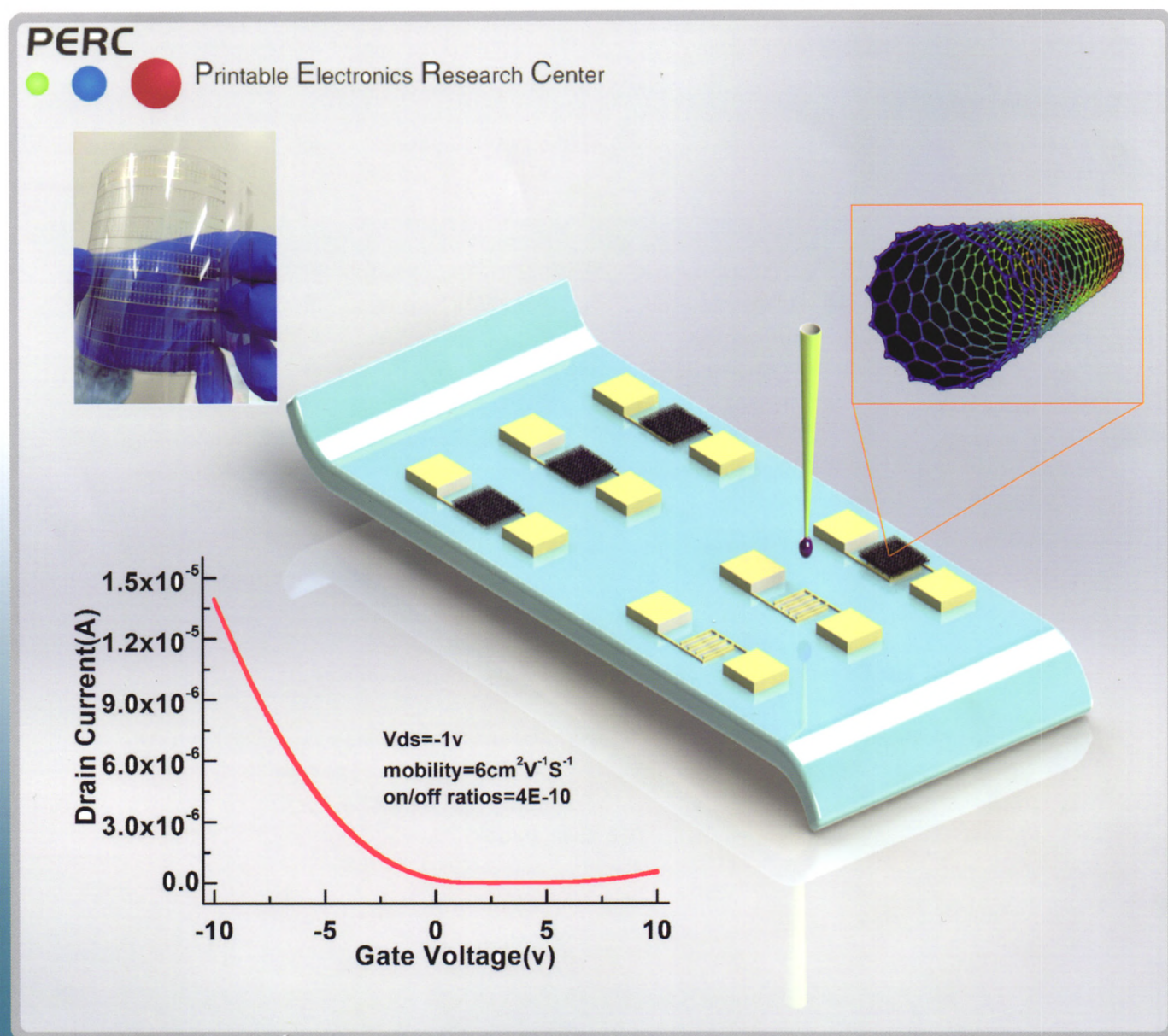


影像科学与光化学

IMAGING SCIENCE AND PHOTOCHEMISTRY



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封面说明:利用纳米压印和电刷镀技术在 PET 基体上制作出大面积金源漏电极阵列。分别采用钛酸钡-PMMA 复合材料为介电层,印刷银电极为顶栅电极,半导体碳纳米管为有源层,在 PET 基体上构建出全印刷碳纳米管薄膜晶体管器件。该研究在制备全印刷柔性薄膜晶体管方面提供了一种简单可行的方法,有望在柔性印刷电路等新兴领域得到应用。见本期论文(张祥,费斐,郭文瑞,聂书红,吴良专,谢建军,赵建文,崔铮.全印刷碳纳米管薄膜晶体管构建及电性能研究),P136~P143。

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影像科学与光化学

IMAGING SCIENCE AND PHOTOCHEMISTRY

本刊刊登以下研究领域的创新成果:光化学、影像科学与技术、光电化学及光电子技术(包括光电转换及储存材料、电光材料、非线性光学材料、纳米材料、电致发光材料及器件)、信息科学及信息材料(包括遥感、信息存储和记录、图像信息处理、信息显示材料等)、光生物、光医学、环境光化学等。

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