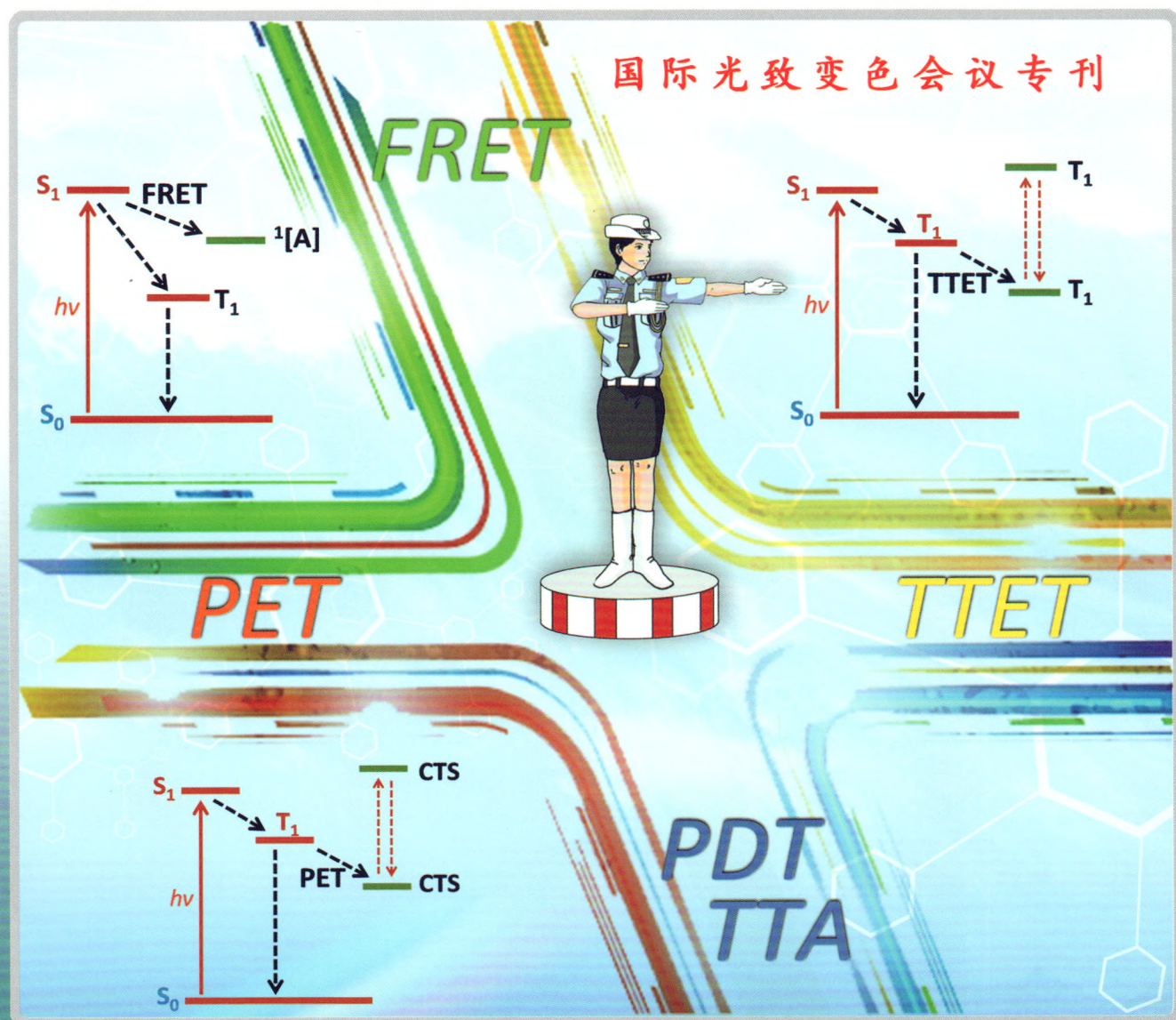


影像科学与光化学

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影像科学与光化学

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封面说明:三重态光敏剂在光催化、发光生物成像、分子探针,以及新兴的三重态湮灭等领域有着重要的意义。要提高三重态光敏剂在这些领域的应用性能,需要对分子的重三重激发态进行调控,即利用光或化学物质控制三重态的量子产率和激发态寿命。相对于单重态的调控,对三重态调控的研究还很不透彻。该文总结了对三重激发态进行调控的近期研究进展。见本期综述(王智佳,陈克鹏,刘亚,赵建章,ZAFAR Mahmood,纪伟,韩克利.有机分子三重激发态的调控与应用):P211-P232。

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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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