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激光与光电子学进展

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封面 解 读

本封面展示了基于高精度直线腔的腔衰荡光谱检测工作原理,当一束激光透过腔内介质后产生衰减,衰荡曲线拟合出来的衰荡时间是腔衰荡光谱技术的重要测量参量。基于此,腔衰荡光谱技术以测量衰荡时间代替传统的测量光强,该方法有效避免了激光波动对测量精度的影响,同时高精度光学谐振腔等效吸收光程长和选择性高的特点,使腔衰荡光谱技术在检测过程中具有高灵敏度和高分辨率的优点。

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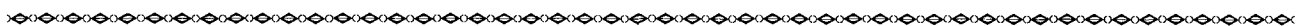
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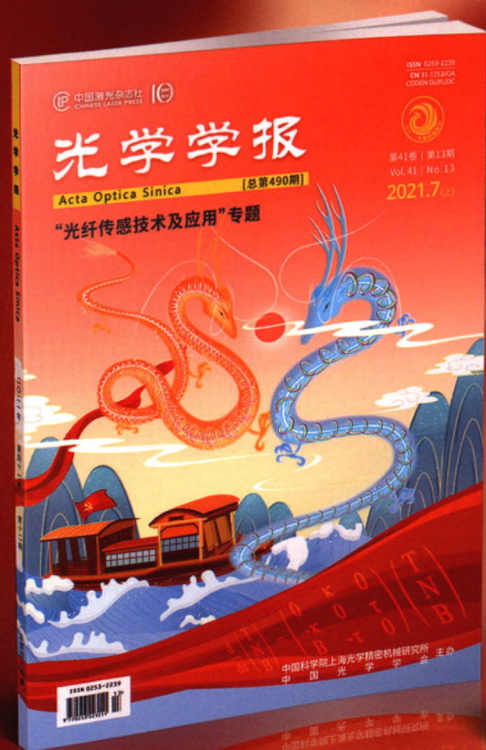
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