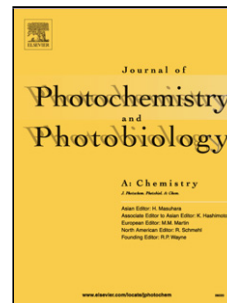


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**Hole Transport in DNA Hairpins via Base Mismatches and Strand Crossings: Efficiency  
and Dynamics**

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