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Investigation of the photovoltaic performance of dye-sensitised solar cells employing TiO₂ nanotubes

This work compares the performance of dye-sensitised solar cells (DSCs) employing films of highly-ordered TiO₂ nanotubes to traditional DSCs using films of tightly interconnected TiO₂ nanoparticles as the electron transport medium. Moreover, the work investigates whether nanotubes enhance the charge transport phenomena in the cell, thereby producing more efficient DSCs.

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