

Nanoporous TiO₂ photoanode sensitized with the flower pigment cyanidin

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Abstract

The flower pigment cyanidin anchors into nanoporous films of TiO₂ by surface complexation. A photoelectrochemical cell made from cyanidin-sensitized nanoporous TiO₂, as a film deposited on conducting glass and with the I⁻ + I₃⁻ redox couple in acetonitrile, generates high photocurrents of good stability. © 1997 Elsevier Science S.A.

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