

ADVANCED FUNCTIONAL MATERIALS

SOLAR CELLS

The image shows nanocrystals of a mesoporous TiO_2 film (false colored) that are coated with an amorphous metal oxide layer which forms a conformal continuous shell, as reported by Arie Zaban and co-workers. Such coatings tremendously improve the performance of dye-sensitized solar cells produced in a low-temperature process suitable for flexible plastic substrates.