

ADVANCED FUNCTIONAL MATERIALS

PHOTOVOLTAICS

The cascade co-sensitization concept is demonstrated by the sensitization of TiO_2 electrodes with CdS quantum dots (QDs) covalently linked to zinc phthalocyanines (ZnPcs) via a sulfur atom. As discussed by I. Mora-Seró and Á. Sastre-Santos on page 3220, the efficiency of co-sensitized CdS QD-SZnPc cells, using $\text{Co}(\text{phen})_3]^{3+}/[\text{Co}(\text{phen})_3]^{2+}$ as electrolyte is 212% higher than that of a solar cell sensitized just with CdS QD.

