Supplementary Information

Charge transport in photocathodes based on the sensitization of NiO nanorod

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Figure S1. Diffuse reflectance spectra of NiO nanorod and commercial NiO nanoparticle.



Figure S2. Nitrogen sorption isotherms of the commercial NiO nanoparticle and the corresponding pore diameter distribution (inset).

	$J_{\rm sc}$ (mA cm ⁻²)	$V_{\rm oc}({\rm mV})$	FF	η (%)
Crystalline NiO nanoparticle (film thickness of 0.9 µm)	1.32	305	0.34	0.14
Commerical NiO nanoparticle (film thickness of 1.55 µm)	3.87	227	0.35	0.3

Table S1. Performance characteristics of p-type DSCs prepared from crystalline NiO nanoparticles (20-200 nm)^[13] and commercial NiO nanoparticles (20-30 nm)^[11].