

ADVANCED FUNCTIONAL MATERIALS

PHOTOSENSORS

A large-area flexible nanowire array photosensor is developed by directly growing horizontal Al-doped ZnO nanowire arrays across Au electrodes on a flexible substrate. This is reported by Ruey-Chi Wang, Chuan-Pu Liu, and co-workers on page 3875 and shown in the false-color scanning electron microscopy (SEM) image. Good nanowire quality and the device layout lead to ultrahigh photoresponsivity and sensitivity. Tensile strain further enhances the photoresponsivity.

