ADVANCED FUNCTIONAL MATERIALS

HYDROGEL-ENABLED TRANSFER PRINTING

Patterning of conducting polymer poly(3,4)ethylenedioxythiophene doped with polystyrene sulfonate (PEDOT:PSS) thin films directly on hydrophobic soft substrates is challenging. Shiming Zhang, Ali Khademhosseini, and co-workers, in article number 1906016, report that hydrogels are capable of transfer-printing patterned PEDOT:PSS thin films from glass onto various soft substrates. Using this method, skin-attachable organic electrochemical transistors are developed for personalized biosensing applications.

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