


ADVANCED FUNCTIONAL MATERIALS

An illustration showing a hand holding a flexible, blue material with various patterns (a flower, a wavy line, and a spiral) printed on it. Below the material is a 3D grid of microstructures, representing the transfer printing technique described in the text. The background is a dark blue grid with circuit-like patterns.

STRETCHABLE BIOELECTRONICS

In article number 2004655, Tuan-Anh Pham, John A. Rogers, Nam-Trung Nguyen, Hoang-Phuong Phan, and co-workers demonstrate a transfer printing technique to form multiple silicon carbide microarchitectures onto polymers. This approach uses a dissolvable metal nanomembrane as a sacrificial layer, establishing the nano-materials basis and methodology for the fabrication of flexible bio-barriers and electronics, as a critical step towards long-lived implanting applications.