China Skin Micro-Electric Network Mobile Version

Scientists at Tsinghua University in China have achieved a breakthrough in artificial skin technology, developing the world"s first "electronic ...

Here, drawing inspiration from human haptic perception, a multimodal, ultrasensitive, and biomimetic E-skin (MES) founded on micro-frustum ionogel is developed based on iontronic ...

Firstly, this review provides a systematic introduction to nanomaterials, conductive hydrogels, and liquid metals, which are currently used in human health monitoring. Then, it introduces the solution to the ...

Here, we present a simple and scalable fabrication approach using spraying, electrostatic spinning, and vacuum filtration to develop a multifunctional system comprising a water-resistant ...

Here, we present a rapidly self-healing E-Skin tailored for real-time monitoring of physical and physiological bioinformation. The E-Skin recovers more than 80% of its functionality within 10 ...

Drawing inspiration from cohesive integration of skeletal muscles and sensory skins in vertebrate animals, we present a design strategy of soft robots, primarily consisting of an electronic...

Herein, inspired by the "brick-and-mortar" microstructure of natural nacre, an ultra-stretchable and highly sensitive multifunctional e-skin composed of Ti 3C 2T x (MXene)/Carbon nanotubes ...

A team of Chinese scientists has created the world"s first bio-inspired electronic skin with a 3D structure that mimics three mechanical signals found in human skin. With its intricate 3D ...

Herein, we propose a multifunctional integrated flexible e-skin, which can achieve multiple detection of random proximity/pressure/strain stimulation without mutual interference.

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Chinese scientists have for the first time developed a three-dimensional (3D) architected electronic skin, Xinhua News Agency reported on ...

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