

How wearable e-skin based on foot-scale MXene film works?

Moreover, wearable ultrathin sensors based on foot-level MXene films can remotely monitor human activities (motion, physiological signals of pulse beating). Significantly, wearable e-skin enabled by foot-scale MXene film realizes effective capture of spatial information.

What are self-powered skin attachable and detachable electronics?

Provided by the Springer Nature SharedIt content-sharing initiative Self-powered skin attachable and detachable electronics are under intense development to enable the internet of everything and everyone in new and useful ways.

What is the microstructure of the skin?

The skin surface is composed of a network-like microstructure comprising wrinkles. Observing and analyzing the microstructure of the skin that changes with the

Why do we need skin-attachable electronics with autonomous powering ability?

Existing skin-attachable electronics with autonomous powering ability are desired for obtaining accurate and reliable biological/physical information and can be reversibly attached to arbitrary surfaces and detached without leaving residues 1,2.

Where can I find information about micro-nano technology?

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What is MXene film?

A weldable MXene film assisted by water. Scalable, highly conductive, and micropatternable MXene films for enhanced electromagnetic interference shielding. Highly transparent and self-healable solar thermal anti-/deicing surfaces: when ultrathin MXene multilayers marry a solid slippery self-cleaning coating.

The rapid rise and internationalization of micro-dramas, the rapid development of mobile internet in China, exemplify the continuous global impact of Chinese practices. The author is an associate researcher at the Central Academy of Culture and Tourism Administration. The views don't necessarily represent those of China Daily.

We compare and evaluate the segmentation performance by using an image processing method and deep learning models. Next, we classify skin aging based on the skin microstructure. For ...

However, it is difficult to fabricate large-scale bionic shark skin surface with high precision and low cost. The real shark skin micro-riblets were first measured and approximately simplified to obtain shark-skin-inspired micro-riblets. Numerical simulations were performed to explore the drag-reduction effect of the micro-riblets surface.

the quality of micro film, which is different from the grassroots shooting of network video. From the point of view of investors, the main investors of micro film are mostly video websites or advertisers. Professional creative teams and brand enterprises constitute the ...

keywords = "Chinese online video platforms, digital business models, micro-movies, micro-payment, microfilms, short movies", ... How online video platforms could support China's independent microfilm (short film) makers and enhance the Chinese film industry. / Gilardi, Filippo; White, Andrew; Cheng, Shuxin et al.

Recent years witness the rapid development of the internet of things and artificial intelligence, which ignites the worldwide research needs for flexible electronics to fulfill intelligent human-machine interfaces. As a promising future technology, the flexible epidermal electrode attracts great research enthusiasm in the field of intelligent robots, human-machine interfaces, ...

According to the China Network Information Centre (an arm of the Chinese government), in 2012 the country's internet population reached 591 million - a 20% increase from the previous year ...

Application of micro film advertising communication under new media form . Jingwen Yuan . Nanjing University of Communication, Nanjing, China . Abstract: With the rapid development of network new media, more and more advertisers aim their advertising at new media. Micro- film, which grows on the basis of new media, has naturally become the

The result shows that China's city network based on the micro-blog social space has a clear hierarchical structure and level distinction. ... (2015) made use of mobile phone signaling to examine ...

Here, we present a bioinspired user-interactive e-skin, which is simple in structure and can synchronously achieve digital electrical response and optical visualization upon ...

Shenzhen, China, 3 June 2024 - ZTE Corporation (0763.HK / 000063.SZ), a global leading provider of integrated information and communication technology solutions, attended the China Mobile 10G Network Innovation and Quality Improvement Conference in Xiong'an, Hebei province, China as a core partner of the operator's 10G network innovation initiative.

The measurement principle of the Visioscan ® VC 98 is based on the analysis of obtained photographs (Figure 2), which are displayed in 256 grey levels (0 value is black and 255 is white).

Self-powered skin attachable and detachable electronics are under intense development to enable the internet of everything and everyone in new and useful ways.

Shenzhen, China, 26 July 2023 - ZTE Corporation (0763.HK / 000063.SZ), a global leading provider of information and communication technology solutions, and China Mobile have jointly completed the research and laboratory ...

Astonishingly, this platform produced 60 per cent of China's top 50 micro-dramas last year, cementing its status as a creative powerhouse. Initial episodes on such apps may be free, but to complete a micro movie like "Grandma's Moon," which has 64 clips, audiences often have to pay tens of yuan.

The short-format videos are an increasingly potent competitor to China's film industry, some experts say, which is second in size only to Hollywood and dominated by state-owned China Film Group.

Shenzhen, China, 14 March 2023 - China Mobile and ZTE have recently jointly completed the industry's first wireless network digital twin application for XR (Extended Reality) service in Jiujiang, Jiangxi province. The test results have ...

Micro dramas shake up China's film industry, aim for Hollywood Actor Zhu Jian, 69, rehearses with other actors on the set of a micro movie during a filming session at a banquet hall in Zhengzhou ...

Liquid metals (LMs) are potential inorganic materials which could be applied in flexible and deformable electronics owing to their fluidity, low viscosity, high metallic conductivity, and low toxicity. However, recently reported sensing devices based on LMs required complex processes with high cost. Herein, a flexible three-dimensional (3D) conductive network was ...

1 Introduction. In recent years, considerable advancements have been made in soft electronics, a developing field of electronic technology. [1, 2] It has superior capabilities to conventional silicon-based electronics in terms of bendability, stretchability, foldability, conformal attachability, light weight, and compatibility with large-area manufacturing techniques like roll-to-roll (R2R). []

Q. Li / China's Micro Film: Socialist Cultural Production in the Micro Era 70 inhibiting mechanism of the cultural production in the consumer era, which not only exposes the cultural hegemony existing in the field of micro film, but also predicts the tendency of Chinese micro film art in the following years. The keyword is: market-conspiracy.

Micro-film is the short and essential version of ordinary film or movie, including the complete story. Thus, different from the interaction way of traditional promotion, micro-film marketing is the synthesis of mobile social media and film art, and it becomes the popular advertising solution of library because of its terseness,

forcefulness and fashion. This study identifies 39 top academic ...

The free-form thin film electronics invented to laminate onto the skin imperceptibly provide human skin with flexible electrical components for health and information technologies. ...

On a film set that resembles the medieval castle of a Chinese lord, Zhu Jian is busy disrupting the world's second-largest movie industry. The 69-year-old actor is playing the patriarch of a ...

Sample distribution and comparison of different skin lesion images in ISIC2018 and HAM10000. The task3 of ISIC2018 included training data(HAM10000), validation data and test data.

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