High-Temperature Resistant Fiber Arrays for Photovoltaic Power Stations

To enhance the high-temperature performance of the fiber Bragg grating array (FBGA), an on-line writing high-temperature resistant FBGA is proposed. FBGA is coated with polyimide and is written ...

Here, we report for the first time, to the best of our knowledge, a new method for fabricating high-temperature-resistant UWFBG arrays by using a femtosecond laser point-by-point (PbP)...

MEISU"s high temperature resistant fiber array is assembled with fibers of special high-temperature coating and special epoxy, thus to ensure the whole assembly can survive 260°C and capable of ...

Herein, we propose a unique methodology using incorporation of a polymer fiber rigid network with high glass transition temperature (Tg) to immobilize the active layer morphology, ...

Here, our research reports a spatial-temporal hot spot management system integrated with fiber Bragg grating (FBG) temperature sensor arrays and cooling hydrogels.

Herein, we purposefully selected the facile screen-printing technology to fabricate large-scale carbon nanotube (CNT)-based thermoelectric arrays with a device density more than 560 pairs ...

In this paper, we report the design of a high-temperature resistance wFBGA based on PI-wFBGA fabricated online by drawing tower, which uses post hydrogen-loading and low-temperature ...

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