

In this study, we report the structural characterization and improvement of the NIR photocurrent of a (C 8 BTBT) (F 4 TCNQ) thin film containing Fe 3 O 4 NPs.

By directly fabricating a photoelectric detection device on the thin section of a rock varnish sample, we have recorded the first in situ photocurrent micromapping of the coatings, which ...

The present disclosure relates to a photoelectric conversion element, a photoelectric conversion module, an electronic device, and a power supply module.

The purpose of the present invention is to provide a photoelectric conversion module that has a bypass diode function and that will not lose flexibility.

In this review, the background, state of the art and advances in the field of low bandgap ferroelectric oxide materials are examined to develop the next generation of ferroelectric materials for ...

In order to provide a photoelectric conversion element that has a good photoelectric conversion property even under light of a low illuminance and is excellent in stability ...

The photoelectric conversion element 2 may include, for example, a first electrode, a photoelectric conversion layer, and a second electrode in this order.

Two different Fe 3 O 4 particles with different morphologies, mesopore sheet (MS) and hollow mesopore flower (MF) exhibit wonderful electro-catalytic activity and power conversion ...

An electronic device, comprising: the photoelectric conversion module according to claim 12; and a device configured to be driven by electric power generated through photoelectric conversion of the ...

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This study reveals such a "photoelectric device," where semiconducting Fe- and Mn (oxyhydr)oxide-mineral coatings are found to overlay vast expanses of natural rock/soil surfaces and exhibit highly ...

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