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The Electronic Materials Symposium is an inter-disciplinary conference that presents a broad spectrum of expert views on problems at the intersection of electronic materials and devices.

Electronic Materials Symposium

Wearable health monitors have recently attracted great attention in academia and industry. In article number 1803165, Huisheng Peng, Xiaosheng Fang, and co-workers develop a novel nanotube-array heterojunction of p-CuZnS/n-TiO₂ on a Ti microwire, which has an excellent UV photoresponse, making it a promising realtime wearable UV sensor.

Advanced Materials - Wiley Online Library

1. Introduction. In the 21st century, the trend of science and technology is tending towards environmentally friendly materials, renewable resources and energy, as well as sustainable techniques and processes.

Recent advances in regenerated cellulose materials

Chitin derived from the seafood wastes such as waste crab, shrimp and lobster shells is abundant and renewable, and the construction of novel polymer materials via physical approaches and green technology from raw chitin is beneficial to the "œgreen development" of our world.

Recent advances in chitin based materials constructed via

n-Type OECTs for direct detection of lactate. Addressing these mutually stringent requirements in material and device design for enzymatic sensing of metabolites, we report the use of an n-type mixed conductor in an accumulation mode OECT for the detection of lactate.

Direct Metabolite Detection with an n-Type Accumulation

MISSION: Psi-k is a Europe-based, worldwide network of researchers working on the advancement of first-principles computational materials science.

Psi-k | Ab initio (from electronic structure) calculation

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A design"device study, based on algorithmic encodings of structure"property relationships, is used

to identify new materials with panchromatic optical absorption. 9431 dyes are mined from the literature and optimally paired together to afford co-sensitizing dyes with complementary optical absorption properties.

Advanced Energy Materials: Early View

12 SOUND & VIBRATION/JULY 2010 www.SandV.com Sound-absorbing materials absorb most of the sound energy striking them, making them very useful for the control of noise.

Recent Trends in Porous Sound-Absorbing Materials

A: 2D Materials and Devices Beyond Graphene: Dongzhi CHI: Andrew WEE: Kah Wee ANG: Michael FUHRER: Junqiao WU

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Materials - IOPscience

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Marconi Electronic Systems (MES), or GEC-Marconi as it was until 1998, was the defence arm of The General Electric Company (GEC). It was demerged from GEC and acquired by British Aerospace (BAe) on 30 November 1999 to form BAE Systems.

Marconi Electronic Systems - Wikipedia

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Introduction to Education. Grassie, W. (2008). Entangled narratives: Competing visions of the good life (rev.). The Sri Lanka Journal of the Humanities, XXXIV (1&2).

Educational Psychology Interactive: Readings in

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CONSTRUCTION MATERIALS SUPPLY LOGISTICS - ARCOM

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Abstract. Hierarchical control of two-dimensional (2D) molecular alignment patterns over large areas is

essential for designing high-functional organic materials and devices.

Scanning wave photopolymerization enables dye-free

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Recycling is the process of converting waste materials into new materials and objects. It is an alternative to "conventional" waste disposal that can save material and help lower greenhouse gas emissions.

Recycling - Wikipedia

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