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Edition - Roger G. Jackson ...

Advances in materials and fabrication techniques have led to a departure from traditional sensor types and the development of novel sensing techniques and devices, many of which are now finding favor in indust.

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& Francis Group

Novel sensor development The applications for sensing technologies are multiplying. On the one hand, there is the need to develop highly sophisticated, highly sensitive sensors that can detect at very low levels. These are usual, for example, in the medical arena. On the other hand, there is the

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need to produce high volume sensors at low cost to work in highly customized applications and which require low power.

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sensor signal processing methods, with emphasis placed on the underlying physics and description of the genetic operating principles involved.

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patent pending stable chemical reference system to overcome the issues inherent in a number of current technologies, coupling this reference system with a patent pending electrochemically active species which can sense protons in oceanographic and source water environments means ANBSensors technology sets itself apart

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from current systems.

Novel Sensing | ANB Sensors

A novel sensor, consisting of fused photo-sensors and ion-sensors, was proposed and a prototype was successfully fabricated. In the proposed sensor, a photo-sensor and an ion-sensor are fused in the same pixel, and the photo-

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signal and the ion concentration density are detected simultaneously in a common sensing region.

A novel fused sensor for photo- and ion-sensing ...

This paper presents the design, fabrication, and characterization of a novel bite force sensor based on the

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application of strain gauges. The proposed sensor possesses a compact structure, which can be easily fabricated using a simple fabrication process and a low cost and bio-compatible material.

Novel Low-Cost Sensor for Human Bite Force Measurement

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distribution in development. Auxins are key factors in the regulation of plant growth and development, but effective tools ...

A novel sensor to map auxin response and distribution at ...

Abstract: A novel sensor array, which is fused photo-sensors and ion sensors, is

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proposed and the prototype one was successively fabricated using a CMOS process. On the proposed sensor, a photo sensor and an ion sensor are fused in a same pixel, and photo-signal and ion concentration density are detected in a same sensing area and a same time.

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monitoring system consists of patrol car, RFID sensor, farmland monitoring center and cloud platform.

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Drone Sense: Opportunities for Novel Sensor Systems

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size & position.

Development and application of a novel low-cost capacitive ...

Developed by the University of South Australia using world-class fabrication capabilities, in partnership with electronics research and manufacturing company Tekelek Australia, the new "lab-

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on-a-chip" technology, makes monitoring swimming pools more affordable, more reliable, and easy to install—even on existing pools.

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