The Lead

Mystery abounds when it comes to 'neuroscouting' in baseball

April 27, 2015 | by JAY COHEN, AP Sports Writer | Comments

Baseball's most compelling video game is not offered in any store. Exactly how many people are playing is unclear. When it comes to the sticker price, no one wants to talk about it. With runs at a premium in the major leagues, a handful ...

New York begins effort to help startups navigate regulations

April 27, 2015 2:22 pm | by JENNIFER PELTZ, Associated Press | Comments

Technology startups and New York authorities will get each other's input on dealing with...

NERSC, Cray move forward with next-generation scientific computing

April 22, 2015 5:45 pm | by DOE/Lawrence Berkeley National Laboratory |

Comments

The U.S. Department of Energy's (DOE) National Energy Research Scientific Computing (NERSC)...

Nondestructive 3-D imaging of biological cells with sound

April 22, 2015 5:28 pm | by American Institute of Physics | Comments

Much like magnetic resonance imaging (MRI) is able to scan the interior of the human body, the...

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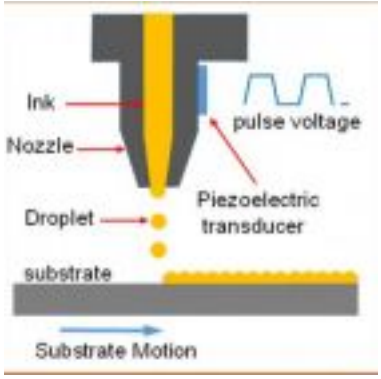
The next step in DNA computing: GPS mapping?

May 6, 2015 4:31 pm | by American Chemical Society | Comments

Conventional silicon-based computing, which has advanced by leaps and bounds in recent decades, is pushing against its practical limits. DNA computing could help take the digital era to the next level. Scientists are now reporting progress toward that goal with ...



A novel inkjet printing process for kesterite solar cells

May 6, 2015 4:25 pm | by Helmholtz-Zentrum Berlin für Materialien und Energie | Comments

The drop-on-demand inkjet printing is a promising approach allowing patterning of materials with negligible materials waste; hence, significant reduction of raw materials cost can be achieved. Furthermore, inkjet printing can be easily adapted to a ...

TOPICS:

- Power
- The Efficiency Zone

Attosecond physics: A new gateway to the microcosmos

May 6, 2015 4:18 pm | by Ludwig-Maximilians-Universität München | Comments

Ludwig Maximilians Universitaet (LMU) in Munich physicists at the Laboratory for Attosecond Physics have developed a new laser-light source that will lead to

significant advances in research on fundamental physics. The future of electronics lies ...

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An airflow model to reduce time on the tarmac

May 6, 2015 4:15 pm | by Concordia University | Comments

lans for summer holidays are already taking shape. But before jetting off for some fun in the sun, many travellers will have to cope with long delays on the airport runway. Thanks to new research from Concordia University, however, that time spent twiddling your thumbs ...

A better way to build DNA scaffolds

May 6, 2015 4:13 pm | by McGill University | Comments

Imagine taking strands of DNA - the material in our cells that determines how we look and function - and using it to build tiny structures that can deliver drugs to targets within the body or take electronic miniaturization to a whole new level.

VTT sensor detects spoilage of food

May 6, 2015 4:12 pm | by VTT Technical Research Centre of Finland | Comments

VTT has developed a sensor that detects ethanol in the headspace of a food package. Ethanol is formed as a result of food spoilage. The sensor signal is wirelessly readable, for instance, by a mobile phone. VTT Technical Research Centre of Finland Ltd is ...

Office of Science selects 44 scientists to receive early career research program funding

May 6, 2015 4:07 pm | by DOE/US Department of Energy | Comments

The Department of Energy's (DOE's) Office of Science has selected 44 scientists from across the nation - including 17 from DOE's national laboratories and 27 from U.S. universities - to receive significant funding for research as part of DOE's Early Career Research Program....

Thermometer-like device could help diagnose heart attacks

May 6, 2015 4:04 pm | by American Chemical Society | Comments

Diagnosing a heart attack can require multiple tests using expensive equipment. But not everyone has access to such techniques, especially in remote or low-income areas. Now scientists have developed a simple, thermometer-like device that could ...

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- Medical

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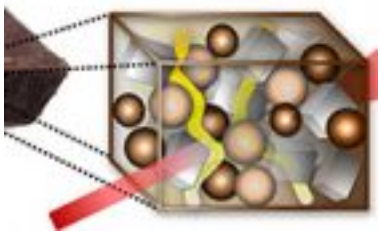
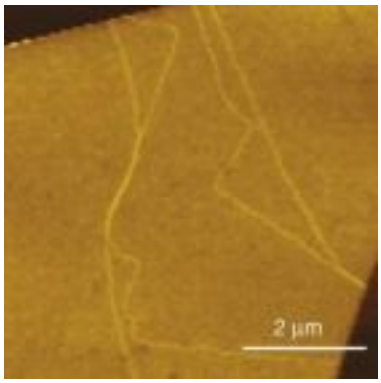


Scientists X-ray chocolate

May 6, 2015 4:03 pm | by Deutsches Elektronen-Synchrotron DESY | Comments

An X-ray study carried out at DESY allows to improve the quality of chocolate. The study offers new insights into the formation of fat bloom, an unwelcome white layer that occasionally forms on chocolate. "Although fat blooming is perfectly harmless,

it causes ...



Channeling valleytronics in graphene

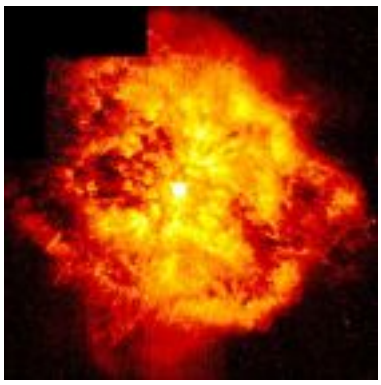
May 6, 2015 3:27 pm | by DOE/Lawrence Berkeley National Laboratory | Comments

To the list of potential applications of graphene - a two-dimensional semiconductor of pure carbon that is stronger and much faster than silicon - we can now add valleytronics, the coding of data in the wavelike motion of electrons as they speed through a ...

When bosses 'serve' their employees, everything improves

May 6, 2015 3:24 pm | by UIC Business | Comments

When managers create a culture where employees know the boss puts employees' needs over his or her own, measureable improvements in customer satisfaction, higher job performance by employees, and lower turnover are the result, according to research by Robert Liden ...



A hot start to the origin of life?

May 6, 2015 3:20 pm | by DOE/Lawrence Berkeley National Laboratory | Comments

DNA is synonymous with life, but where did it originate? One way to answer this question is to try to recreate the conditions that formed DNA's molecular precursors. These precursors are carbon ring structures with embedded nitrogen atoms, key components of ...

Cal State L.A. receives $5-million NASA grant for research center

May 6, 2015 3:17 pm | by California State University, Los Angeles | Comments

Cal State L.A. has been awarded a $5-million grant to conduct NASA-related research and education to help train a new generation of scientists and engineers. Under the five-year grant, the University will establish a Data Intensive Research and ...

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2015 IMPACT Awards finalists: Social Corporate Responsibility

May 6, 2015 3:00 pm | by ECN Staff | Comments

This award honors organizational efforts to be a greater corporate member of society, from a local to a global level. Good works criteria may include, but is not limited to, efforts to curb electronic waste and improve recyclability, overall carbon footprint reduction ...

TOPICS:

- IMPACT Awards
- EDS
- Distribution & Design Services

2015 IMPACT Awards finalists: Material Technology Innovation

May 6, 2015 2:53 pm | by ECN Staff | Comments

This award will be given to the entrant with the most significant technical development during the year 2014 in the field of material development. From materials used to make batteries for wireless devices, to the use of GaN (Galium

Nitride) to ...
TOPICS:

- IMPACT Awards
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Pages

- 1
- 2
- 3
- 4
- 5
- 6
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