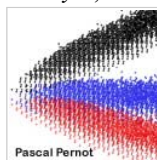




Titan's Haze

Analytical Chemistry
January 26, 2010

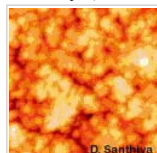


Pascal Pernot

High-resolution mass spectrometry is used to determine the composition of nitrogen-rich polymers that may exist in aerosols in the atmosphere of Saturn's moon Titan.

Bioassisted Titania Deposition

Langmuir
February 1, 2010



D. Santhya

High-quality TiO₂ films are deposited from aqueous Ti(IV) bis(ammonium lactate) dihydroxide on biological templates such as fungal hydrophobin proteins.

Stronger Demand in Fourth Quarter

C&EN
February 1, 2010

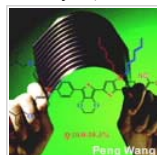


iStock

Earnings: Chemical firms say sales volumes in most segments are rebounding.

Organic Dye for Solar Cells

Chemistry of Materials
January 22, 2010

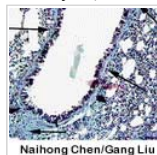


Peng Wang

These efficient, flexible dye-sensitized solar cells use organic "push-pull" photosensitizers instead of scarce ruthenium dyes.

Potential Asthma Drug

Journal of Medicinal Chemistry
January 25, 2010

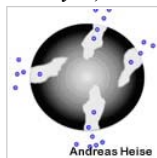


Naihong Chen/Gang Liu

The authors used screening and systematic optimization processes to identify a 3-piperazinylcoumarin derivative that shows antiasthma activity in mice.

Release Payloads with Enzymes

Journal of the American Chemical Society
January 25, 2010



Andreas Heise

Enzymes can trigger the release of macromolecular guest molecules from silica particles coated with peptide shells by hydrolyzing bulky Fmoc groups from the peptide.

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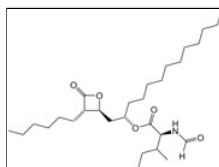
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