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Monday, September 29, 2014

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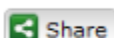
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Bug Eyes Inspire Practical Light, Sensor Design



Pennsylvania State researchers extracted the corneas of common blowflies and coated them with a 900-nm-thick layer of fluorescent polymer to determine the structures' light-scattering properties.

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Electricity Changes Polymer's Optical Properties

A newly developed polymer is said to be the first of its kind to combine optical and electrical properties. This could mean new manufacturing possibilities for glass, polarization filters and sensors capable of detecting single molecules of a given chemical.

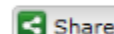
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Technique 'Pre-Corrects' Microscope Illumination

A new adaptive optics technique focuses laser light through dense tissues without the need for an invasive guide star.

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ULC Now Offering Same Day Shipping

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At United Lens we've maintained our standing in the optical industry for nearly 100 years because we listen to our customers. Over the years the demand for certain stock items in our inventory has increased. In order to accommodate our customers' needs we now offer SAME DAY SHIPPING on stock items including High Powered Laser Mirrors, Colored Filter Glass, Witness Samples and Test Plate/Mirror Blanks.

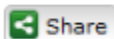
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Mid-IR Lens Incorporates Waste Sulfur



Thin, inexpensive plastic lenses for IR imaging devices can be manufactured from waste sulfur generated by refining fossil fuels.

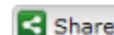
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Polarization Camera Sheds Light on Sea Life

A bio-inspired polarization camera has given marine biologists a better understanding of the mating rituals of the northern swordtail fish.

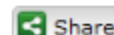
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6.5% Annual Growth Seen for Coatings Market

Global demand for thin-film optical coatings was valued at approximately \$6.5 billion in 2013 and is expected to grow by 6.5 percent annually in the coming years, according to a market forecast from Acmite Market Intelligence.

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