LOOK AGAIN...

Just for Fun!

See if you can find the 8 differences in each set of images.

Explore the grand wrinkle canyon

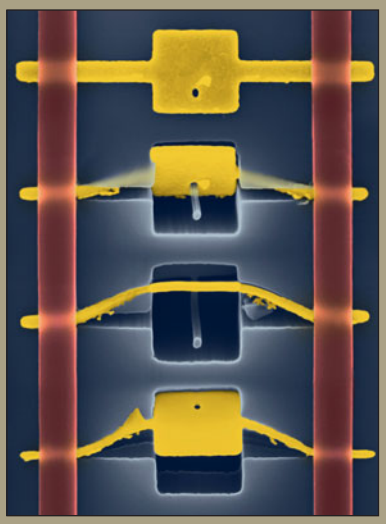
Confocal laser scanning microscope image of a wrinkled magnetic field sensor for stretchable electronics superimposed on a private photograph of the Grand Canyon. The spin valve is applied as a highly sensitive magnetoelectronic element. The random wrinkling and periodic fracture of the metal film prepared on a PDMS rubber allows for device stretchabilities up to 30%.

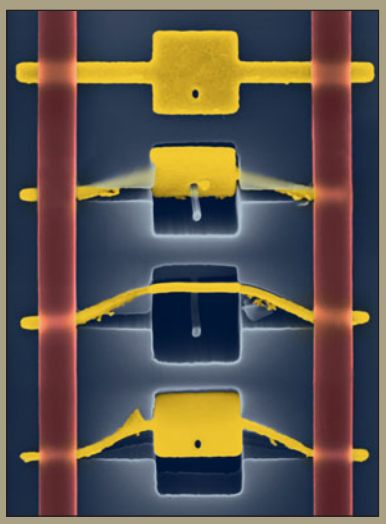
Michael Melzer, Leibniz Institute for Solid State and Materials Research, Dresden, Germany

Paddling through silicon

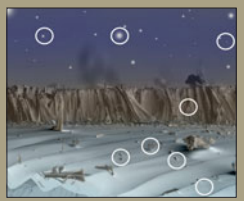
False color scanning electron microscope images of gold catalysts pinned with polymer lines rotating out of the plane of the silicon substrate during metal-assisted chemical etching, creating 50-nm-wide curved silicon nanohorns. Calculations are based on the deformation of the catalyst arms that were used to identify the driving forces for catalyst motion.

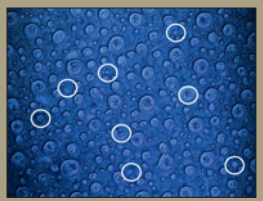
Owen Hildreth, National Institute of Standards and Technology, USA





August 2014 answer key





The answers will be in the December 2014 issue.

Images on the top were submitted to the Materials Research Society "Science as Art" competition.
Images on the bottom were modified in Adobe Photoshop for this "Look Again" activity.

https://doi.org/10.1557/mrs.2014.236 Published online by Cambridge University Press