

Ceramic Nanomaterials for Functional Applications



Perena Gouma

Center for Nanomaterials and Sensor Development, SUNY Stony Brook, NY, 11794-2275

NSF DMR-1106168

Crystallo-Chemical Approach to Gas Selectivity of Metal Oxides

This Breathalyzer Reveals Signs of Disease



OUTREACH

Related Press Coverage

- http://www.nsf.gov/news/special reports/science nation/ breathprinting.jsp
- http://ceramics.org/ceramictechtoday/tag/perena-gouma/
- http://www.pbs.org/newshour/rundown/2012/05 /breathalyzer-gives-new-meaning-to-bad-breath.html

NSF DMR-1046599 / IIP-1156513

Metal Oxide NanogridsTM As Photocatalysts for Oil Decomposition

Turning Wastewater into Drinking Water



Related Press Coverage

- http://m.cnbc.com/us news/45754560
- http://www.fastcoexist.com/1679006/why-youmay-not-mind-drinking-fracking-water-in-the-future

Science Evenings With IDEAS - IDEAS - Hofstra University

Nanomaterials for a **Healthier and Cleaner** World

> Dr. Perena Gouma May 3, 2012