

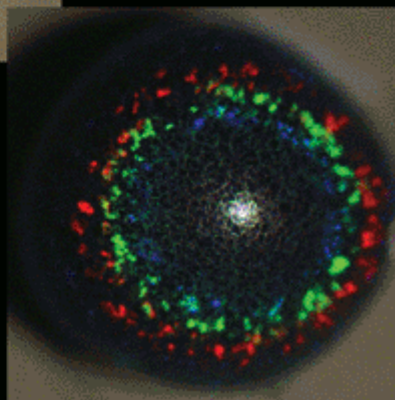
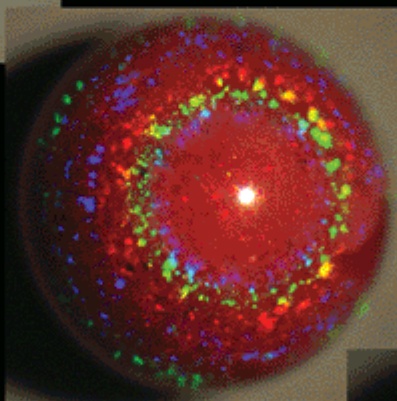
ADVMEW  
ISSN 0935-9648  
Vol. 20, No. 22  
November 18, 2008



# ADVANCED MATERIALS



Cover Image: Photonic Crystals



Special Issue on  
Frontiers in Nanoparticle Research

Orlin Velev and co-workers report [on page 4263](#) on the synthesis of light-diffracting assemblies obtained from microspheres and nanoparticles in droplets on a superhydrophobic surface. The cover shows optical microscopy images of drying droplets from aqueous suspensions of monodisperse latex or latex/gold nanoparticle mixtures dispensed on superhydrophobic substrates. Colloidal crystals are formed in the surface layer of the droplets due to the flux of evaporating water. The colloidal crystals give rise to multicolored diffraction patterns upon illumination with collimated white light. Once completely dried, these templates yield structured “nanojewel” supraparticles.

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## Cover Picture

**Cover Picture: Synthesis of Light-Diffracting Assemblies from Microspheres and Nanoparticles in Droplets on a Superhydrophobic Surface (Adv. Mater. 22/2008) (p NA)**

Vinayak Rastogi, Sonia Melle, Oscar G. Calderón, Antonio A. García, Manuel Marquez, Orlin D. Velev

Published Online: Nov 13 2008 6:02AM

DOI: 10.1002/adma.200890089