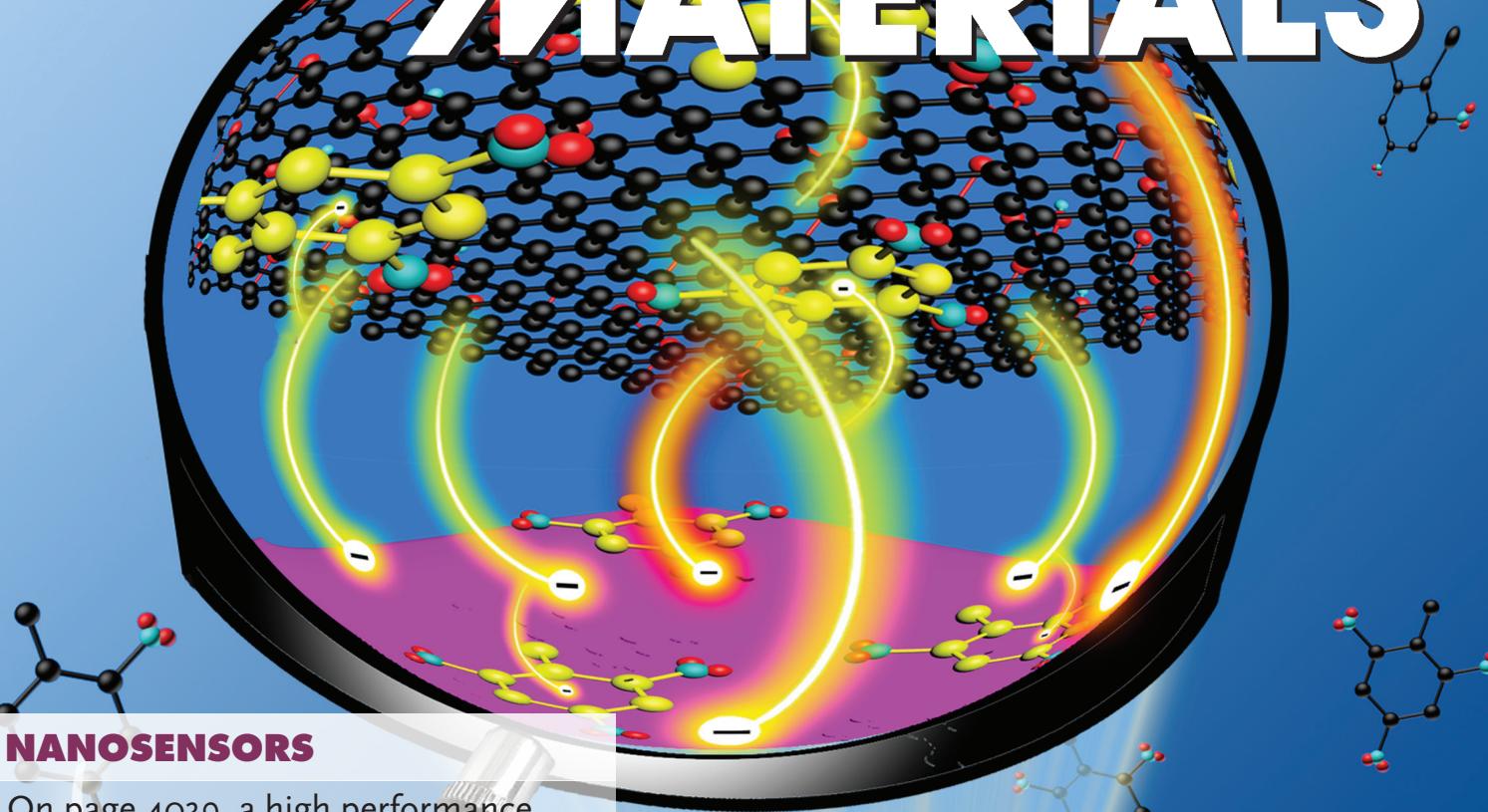


ADVANCED FUNCTIONAL MATERIALS



NANOSENSORS

On page 4039, a high performance SiNWs array/TiO₂/rGO Schottky sensor is fabricated for the sensitive and selective detection of trace nitro-explosives vapors by Z. Yang, X. C. Dou, and co-workers, who adopt the interface modulation strategy to boost the sensing performance. The Schottky barrier height modulation with the insertion of TiO₂, SiNWs array structure enhanced diffusion and TiO₂ nanoparticles enhanced adsorption coordinately account for the good sensing performance.

