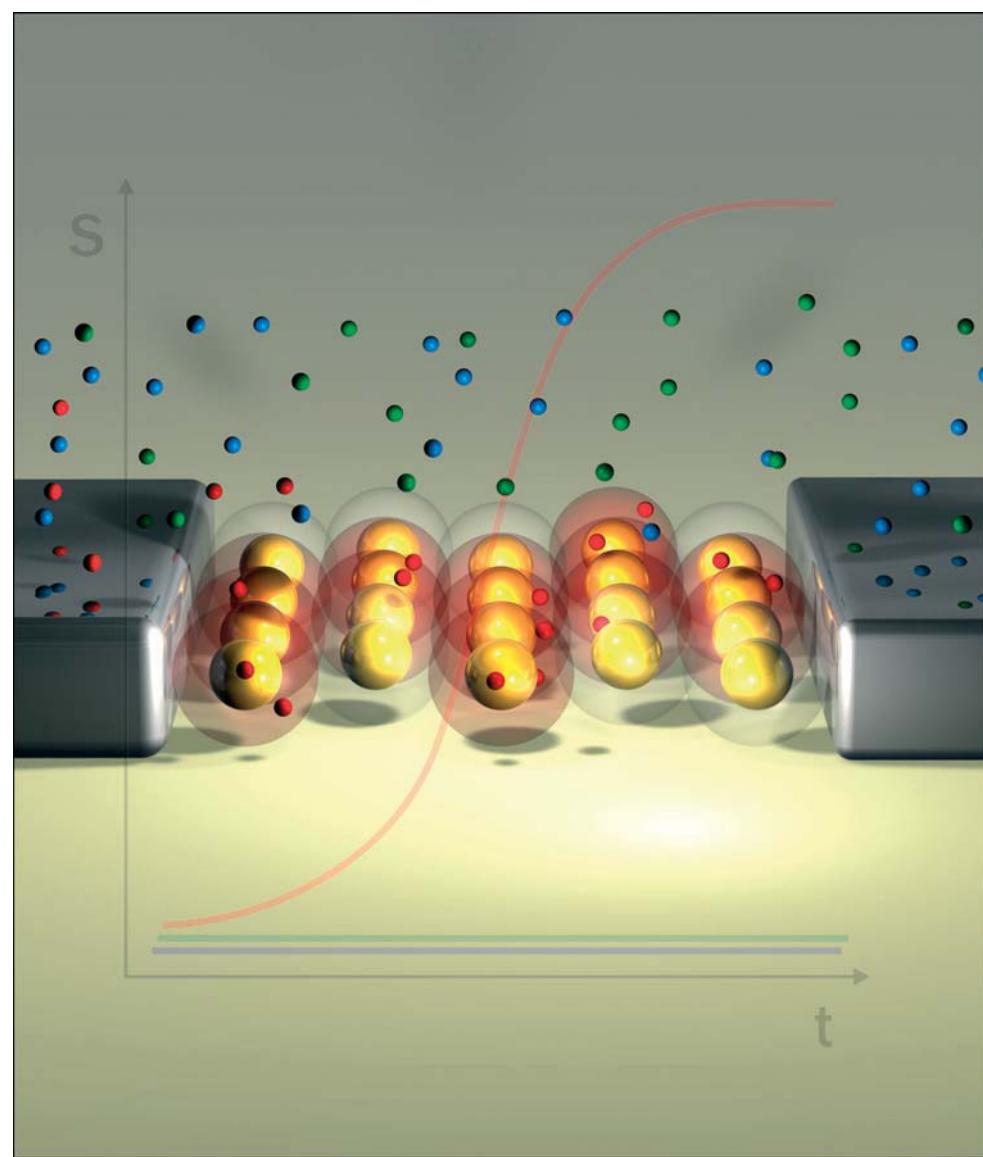


DOI: 10.1002/smll.200500261

Metal and Metal Oxide Nanoparticles in Chemiresistors: Does the Nanoscale Matter?

Marion E. Franke, Tobias J. Koplin, and Ulrich Simon*



From the Contents

- | | |
|---|----|
| 1. Introduction..... | 37 |
| 2. Metal-Oxide-Nanoparticle-Based Elements..... | 38 |
| 3. Metal-Nanoparticle-Based Elements..... | 43 |
| 4. Summary and Outlook | 47 |

Drawing of a gas-sensitive nanoparticle monolayer assembled between two electrodes.

NANO MICRO
small

Keywords:

- chemiresistors
- metals
- nanoparticles
- oxides
- sensors