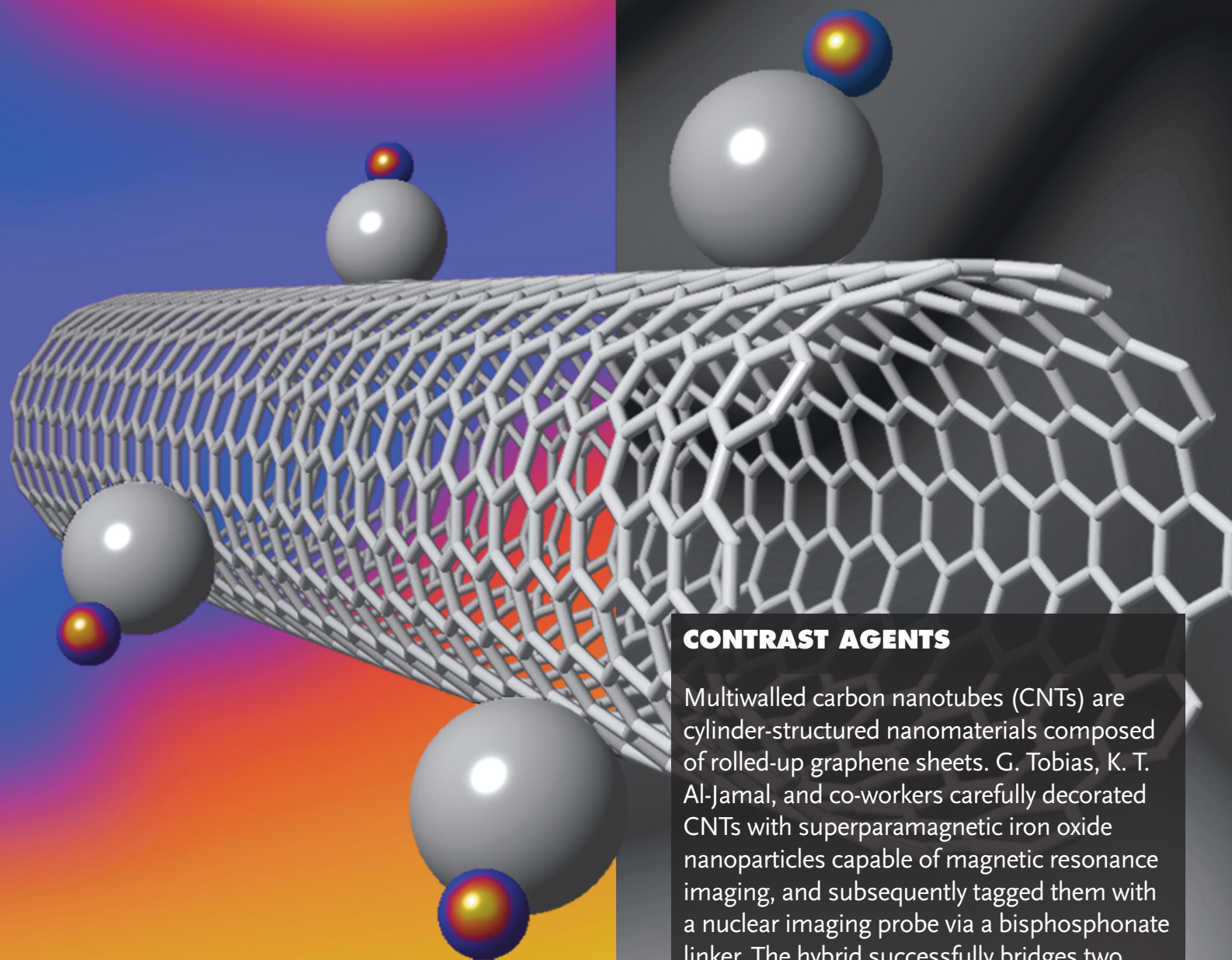


ADVANCED FUNCTIONAL MATERIALS



CONTRAST AGENTS

Multiwalled carbon nanotubes (CNTs) are cylinder-structured nanomaterials composed of rolled-up graphene sheets. G. Tobias, K. T. Al-Jamal, and co-workers carefully decorated CNTs with superparamagnetic iron oxide nanoparticles capable of magnetic resonance imaging, and subsequently tagged them with a nuclear imaging probe via a bisphosphonate linker. The hybrid successfully bridges two clinically important imaging techniques—magnetic resonance and nuclear imaging—thus combining the high resolution and sensitivity offered by each technique.