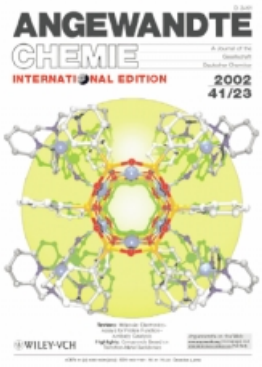
Cover Picture



Gian Luca Abbati, Andrea Caneschi, Andrea Cornia, Antonio C. Fabretti, Yulia A. Pozdniakova, and Olga I. Shchegolikhina

The cover picture shows a magnetic cluster, which was rationally designed by following a two-step synthetic approach (color code: light blue = Cu, orange = Si, gray and white = C, dark blue = N, red = O). The compound, which features ten copper(II) ions in three different coordination environments (trigonal-bipyramidal, square-pyramidal and square-planar), was obtained in crystalline form by self-assembly of four monodentate $[Cu(tmpa)(CN)]^+$ units (tmpa = tris(2-pyridylmethyl)amine) around a preformed hexacopper(II)-siloxanolate cage, $[Cu_6\{(PhSiO_2)_6\}_2]$. Further details on the synthesis, structure, and magnetic properties are reported by G. L. Abbati, A. Cornia et al. on p. 4517 ff.