

A Journal of the Gesellschaft Deutscher Chemiker

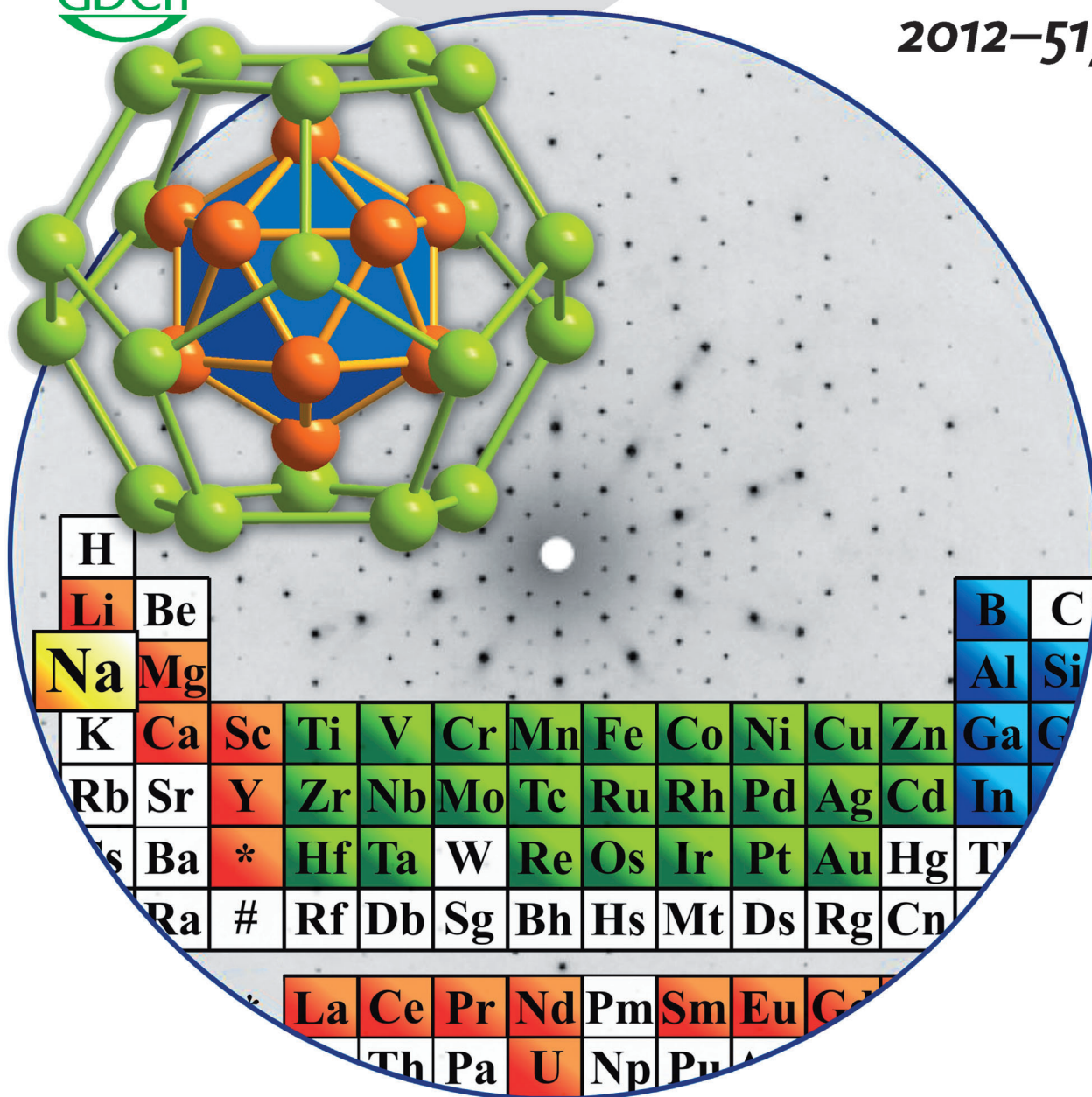
Angewandte Chemie

International Edition

GDCh

www.angewandte.org

2012–51/51



A sodium-containing ...

... icosahedral quasicrystalline phase has been discovered. In their Communication page 12699 ff., G.J. Miller et al. describe the characterization of a Bergman-type i -Na₁₃Au₁₂Ga₁₅ system. The existence and stability of this Na-containing icosahedral quasicrystal is tightly linked to its substantial Au content, which allows the electron-to-atom value to satisfy a Hume–Rothery stabilization rule, and creates novel Na–Au polar-covalent interactions.

 WILEY-VCH