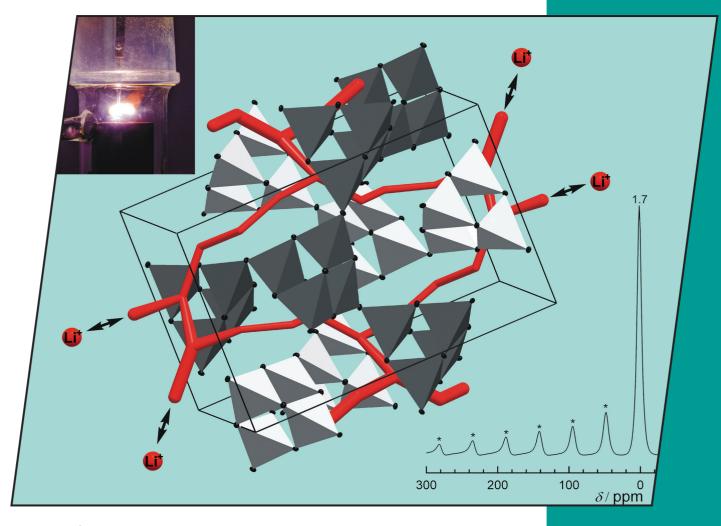


12/2009 3rd April Issue



Cover Picture

Wolfgang Schnick et al. Investigations of Lithium Nitridosilicate

Microreview

Mark D. Spicer and John Reglinski
Soft Scorpionate Ligands Based on Imidazole-2-thione Donors



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COVER PICTURE

The cover picture shows the $[SiN_2]^{2-}$ framework of the lithium ion conductor Li_2SiN_2 . The hitherto unknown crystal structure reveals possible Li⁺ pathways (red channels) for lithium ion conductivity. Li₂SiN₂ was synthesized from "Si(CN₂)₂", highlighted as a promising precursor for nitridosilicates in arc-welded (top left) tantalum crucibles. The structure was solved from single crystals, and the ⁷Li MAS solid-state NMR spectrum (bottom right) is presented. Details are discussed in the article by W. Schnick et al. on p. 1579ff.

