

# **Chemische Reaktionen in Salzschnmelzen, XXI [1].**

## **Titan-vermittelte Synthese von Silanen in Chloroaluminat-Schnmelzen**

Chemical Reactions in Molten Salts, XXI [1].

Titanium Mediated Synthesis of Silanes in Chloroaluminate Melts

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Silanes of technical interest as starting compounds for semiconducting materials or hydrosilylation reactions,  $(\text{CH}_3)_x\text{SiH}_{4-x}$  ( $x = 0, 1, 2, 3$ ), are obtained by direct hydrogenation of the corresponding chlorosilanes in the presence of various interstitial hydrides of transition metals (preferably of titanium), which are generated in situ in chloroaluminate melts, and aluminum as a halogen acceptor.

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