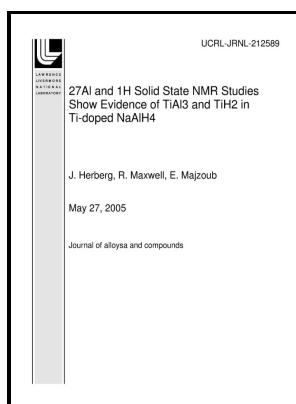


NMR studies of the solid state.

University of East Anglia - Solid state NMR Service



Description: -

-NMR studies of the solid state.

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Notes: Thesis (Ph.D.) - University of East Anglia, School of Chemical Sciences, 1981.

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Solid state NMR studies of gels derived from low molecular mass gelators

Carbon-Coated Silicon Nanowires on Carbon Fabric as Self-Supported Electrodes for Flexible Lithium-Ion Batteries. Study of lithiation mechanisms in silicon electrodes by Auger Electron Spectroscopy. These changes to the Mn oxidation state and local structure are the likely cause for the material's poor cycling stability.

Solid

This was further confirmed by performing the ^{15}N CP MAS NMR experiment, which indicated the presence of more than one ^{15}N signals.

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He received his MSc degree in physical chemistry in 1973 from the University of Jyväskylä and his PhD degree in organic chemistry in 1990 from the University of Kuopio. Hassan, Matthew Li, Kun Feng, Xingcheng Xiao, Zhongwei Chen.

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Small Methods 2017, 1 3 , 1600037. The ^{13}C CP MAS NMR of the synthetic solid and the xerogel displayed a doublet resonance pattern, which was a consequence of two non-equivalent molecules in the asymmetric unit.

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While significant evidence is found for the deposition of non-structural proton-bearing species on electrodes, which accumulate with extensive cycling, structural proton insertion is not found to be a significant process directly effecting voltage fade. Chinese Physics Letters 2019, 36 9 , 098201.

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The distinct electrochemical profiles observed subsequent to the first discharge have been shown to be associated with the formation of distinct

amorphous lithiated silicide structures.

Solid state NMR studies of gels derived from low molecular mass gelators

Loveridge, Ronny Genieser, Michael J.

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