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Solid-state NMR (SSNMR) spectroscopy is a kind of nuclear magnetic resonance (NMR) spectroscopy, characterized by the presence of anisotropic (directionally dependent) interactions.

Solid-state nuclear magnetic resonance - Wikipedia

STKM 2622: Advanced Chemical Analysis of Food Laboratory Determination of Solid Fat Content (SFC) in Oils and Fats by pulsed- NMR Analyzer Assoc Prof Dr Nazaruddin Ramli

Determination of Solid Fat Content (SFC) in Oils and Fats

- 6 - the magnet field is scanned). These systems are currently obsolete except for a few wide-line experiments that are performed in specialty solid-state NMR applications.

Principles of NMR

Nuclear magnetic resonance (NMR) is a physical phenomenon in which nuclei in a strong static magnetic field are perturbed by a weak oscillating magnetic field (in the near field and therefore not involving electromagnetic waves) and respond by producing an electromagnetic signal with a frequency characteristic of the magnetic field at the nucleus. This process occurs near resonance, when the ...

Nuclear magnetic resonance - Wikipedia

The all-solid-state lithium batteries with solid electrolytes are considered to be the new generation of devices for energy storage. To accelerate the research and development, the overall picture about the current state of all solid-state lithium batteries was reviewed in this article with major focus on the material aspects.

Recent advances in all-solid-state rechargeable lithium

All-solid-state (ASS) lithium-ion battery has attracted great attention due to its high safety and increased energy density. One of key components in the ASS battery (ASSB) is solid electrolyte that determines performance of the ASSB.

Review on solid electrolytes for all-solid-state lithium

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Lecture 3: Coupling Constants Chem 117 - Harvard University

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