

The Latest NMR News from JEOL  
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**JEOLink NMR** Newsletter



## New & Noteworthy: NMR News

### New Spectrometer: JEOL ECZL



JEOL's latest NMR Spectrometer is available in three models with varying capability – all equipped with faster tuning, faster shimming, and streamlined configuration that eliminates the need for an extra autotuning extension for HFX probes.

[Click the link below to learn more.](#)

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*A universal ADEQUATE experiment*



J-modulated 19 F- and 1 H-detected dual-optimized inverted 1JCC 1,n-ADEQUATE: A universal ADEQUATE experiment

Click below to read the article.

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## Research that Resonates: Featured Users

### NMR Study of Al Coordination Numbers



Although anodization is an essential technology that has supported the aluminum industry for nearly a century, the atomistic structure of the formed alumina films is not completely understood.

Researchers at Kogakuin University partnered with the JEOL team to explore the factors affecting local structure of anodic porous alumina films prepared under various electrolytic conditions. Click below to read the article.

[ACCESS THE ARTICLE](#)

# Engineering Transition Metal Layers for Long Lasting Anionic Redox in Layered Sodium Manganese Oxide

Oxygen-redox-based-layered cathode materials are of great importance in realizing high-energy-density sodium-ion batteries that can satisfy the demands of next-generation energy storage technologies. However, Mn-based-layered materials still suffer from poor reversibility during oxygen-redox reactions and low conductivity.

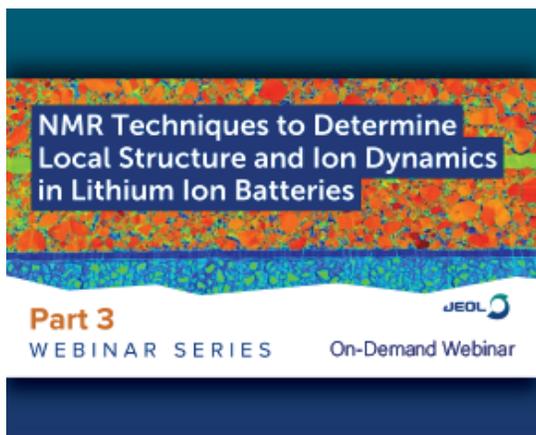
Click below to read this collaborative work from researchers at Sejong University, University of Twente, Forschungszentrum Jülich GmbH, Korea Atomic Energy Research Institute, Korea Institute of Science and Technology, Iwate University, and JEOL.



[ACCESS THE ARTICLE](#)

**Event Center**

# On-Demand Webinar: NMR Techniques to Determine Local Structure and Ion Dynamics in Lithium Ion Batteries



Lithium ion batteries (LIBs), a crucially important power source, are increasingly demanded for application to electrical devices and electric vehicles. NMR is one of the few analytical methods that can directly observe Li ions and is a powerful tool for characterizing local structure and ion dynamics of LIB materials.

Click the link below to learn about solid-state NMR, in-situ NMR, and diffusion NMR in LIB analysis.

[WATCH ON-DEMAND](#)

# On Demand: An Introduction to JASON NMR Processing Software



JASON is the new NMR processing and analysis software from JEOL. Using worked examples, we will explore automatic data processing and analysis, e.g., peak picking and multiplet analysis and use the result to assign NMR data to molecular structures.

Click below to watch this webinar on demand!

REGISTER NOW

Want to see a demonstration of our instruments or talk with one of our experts in applications and technology? Interested in joining us at one of our upcoming conferences or meetings? [Check out our full schedule of events!](#)

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