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第330回 未来化学創造センターセミナー



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場所: ISI棟3階 セミナー室

Macromolecular Optoelectronic and Electrode Materials

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The rapid growth of flexible and portable electronics demands next-generation optoelectronic and energy storage devices with high performance and long-term durability. These systems must deliver excellent electrochemical properties and maintain stability under mechanical and environmental stresses. Thermally and thermo-oxidatively stable macromolecules with strong solvent resistance, electrical conductivity, mechanical strength, and chemical robustness are promising candidates. This talk presents our recent advances in macromolecular materials for energy storage and luminescent applications. We highlight how molecular functionalization regulates interfacial chemistry and electrochemical behavior in carbon-based electrodes, and propose a rational, scalable strategy to develop high-performance materials and devices through precise macromolecular engineering.

主催: 九州大学 最先端有機光エレクトロニクス研究センター
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