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Fundamental questions
Elemental answers

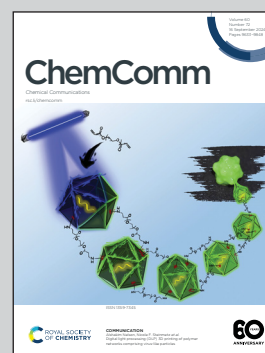


Showcasing research from Professor Seung Uk Son's laboratory, Department of Chemistry, Sungkyunkwan University, Suwon, Korea.

Polyurethanes synthesized using biomass-derived furan diols as sustainable triboelectric materials

A series of biomass-derived furan diols were developed as polymer platforms for the synthesis of polyurethanes. The optimal FPU-4/PET film showed promising triboelectric performance with output voltage up to 405 V and a maximum power density of 32 mW cm⁻².

As featured in:



See Sang-Woo Kim,
Seung Uk Son *et al.*,
Chem. Commun., 2024, **60**, 9741.