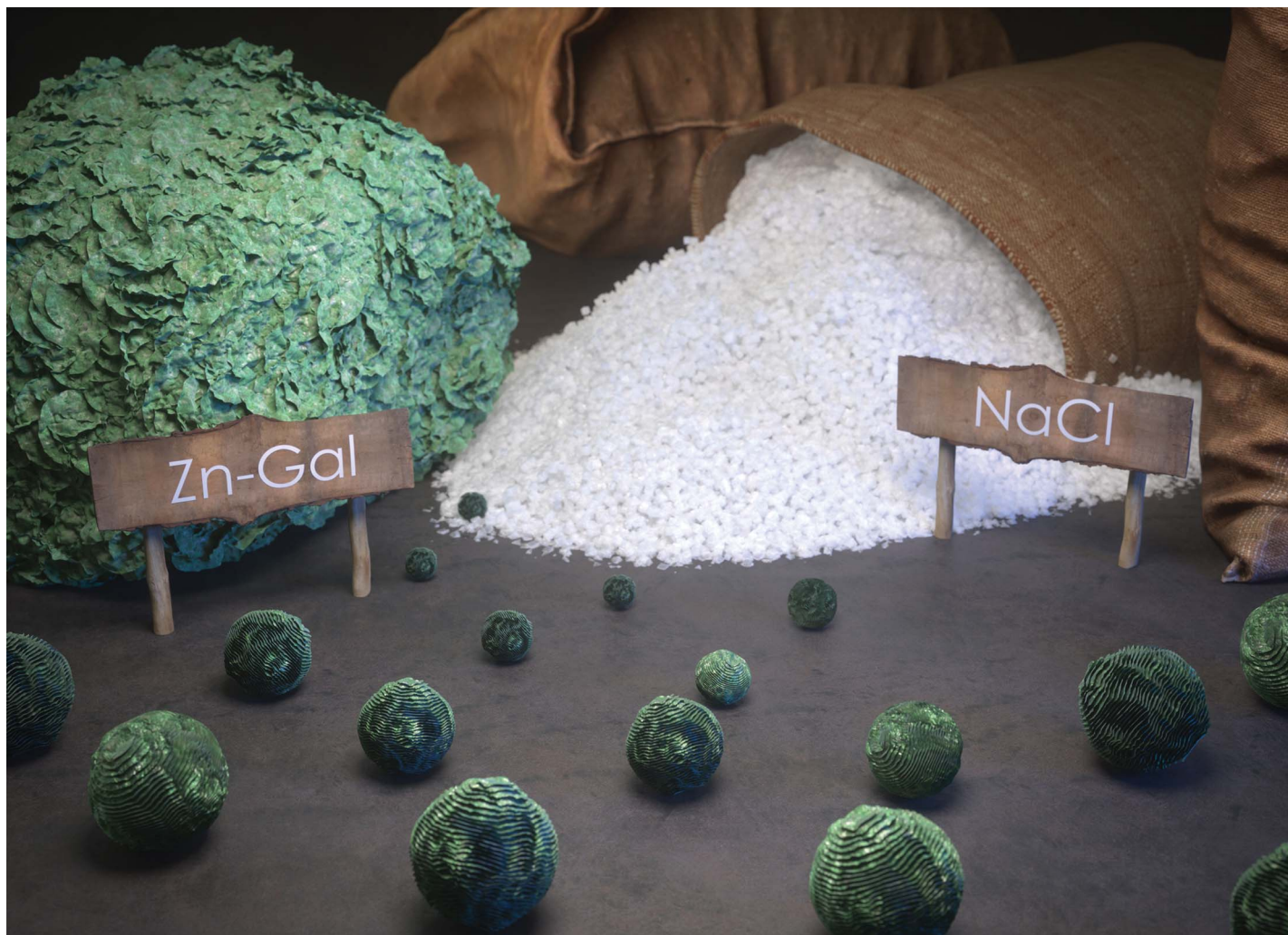




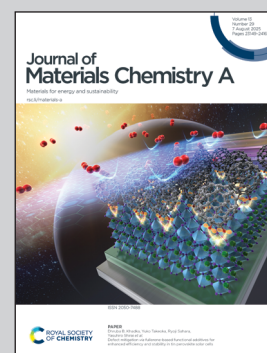
Highlighting a nanoengineering study on heterogeneous catalysts from Professor Seung Uk Son's laboratory, Department of Chemistry, Sungkyunkwan University, Korea.

Morphology engineering of 2D Zn-catalysts to wrinkled particles using NaCl microcrystals: enhanced recyclability for the synthesis of poly(caprolactone)s

Wrinkled Zn-gallate nanoparticles (W-Zn-Gal NP) were synthesized using micron-sized NaCl crystals as morphology-directing agents. In contrast to control Zn-Gal plate structures, which showed only moderate catalytic activity and limited recyclability due to easy aggregation and structural cleavage, W-Zn-Gal NP exhibited superior catalytic efficiency and improved recyclability in the ring-opening polymerization of ϵ -caprolactone to poly(caprolactone).

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J. Mater. Chem. A, 2025, **13**, 23439.