



**Showcasing research from Professor Liang-Yin Chu's  
Group at the School of Chemical Engineering,  
Sichuan University, China**

**K<sup>+</sup>-recognition capsules with squirting release mechanisms**

The cover shows a novel type of K<sup>+</sup>-recognition capsules, which can translate the K<sup>+</sup> recognition into squirting release function due to the cooperative interaction of host-guest complexation and phase transition in capsule membranes. The capsules provide a promising model for K<sup>+</sup>-recognition smart drug delivery systems, actuators and microdevices.

**As featured in:**



See *Chu et al.*,  
*Chem. Commun.*, 2011, **47**, 12283.

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