

**NECEM WEBINAR: "From Molecules to Materials: Exploring Unconventional s-Block Metal in Organic Chemistry"**

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s-Block metals (group-1 and 2) are of both fundamental and application importance, such as in Li-ion battery and organolithium reagents. However, their fundamental chemistry, albeit the long history and recent advances, are far from fully developed. For instance, there is no zero-valent group-1 metal molecular complexes, neither group-2 metal-ligand multiple bonding complexes. Since 09/2019, my group at Newcastle University has aimed at filling these fundamental knowledge gaps, and in the long run, apply the new chemistry in energy materials.

**Biography**



With a University Degree in macromolecular materials engineering (Tianjin Polytech, China, 2006), I have been trained into an 'old-school' synthetic inorganic chemist by Prof. Yaofeng Chen (2006-2012, PhD, rare-earth metal chemistry, Shanghai Institute of Organic Chemistry-Chinese Academy of Sciences) and Prof. Steve Liddle (2012-2019, PDRA, actinide metal chemistry, Nottingham and Manchester). In 09/2019, I was awarded the NUAcT Fellowship to start a research group at School of Natural and Environmental Sciences, Newcastle University, investigating unconventional s-block metal chemistry and their applications in energy materials.