Pozvánka na doktorandský seminář chemie

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Soluble molecular heterometallic silicates and phosphites

This lecture will describe our advances in the preparation of soluble molecular silicate and phosphite ligands containing aluminum or gallium such as **L**Al(SH)(μ-O)Si(OH)(O^{t}Bu)$_2$ (**L** = [HC{C(Me)N(Ar)}$_2$]$^-$, Ar = 2,6-di-^{i}Pr$_2$C$_6$H$_3$), **L**Al(SH)(μ-O)P(OEt)$_2$, **L**Ga(Cl)(μ-O)Si(OH)-(O^{t}Bu)$_2$ or **L**Ga(OH)(μ-O)P(OEt)$_2$. These metallaligands have been successfully used in the preparation of heterobimetallic systems containing Al, Ga, In, Li, Ti, Zn (see Figure 1).

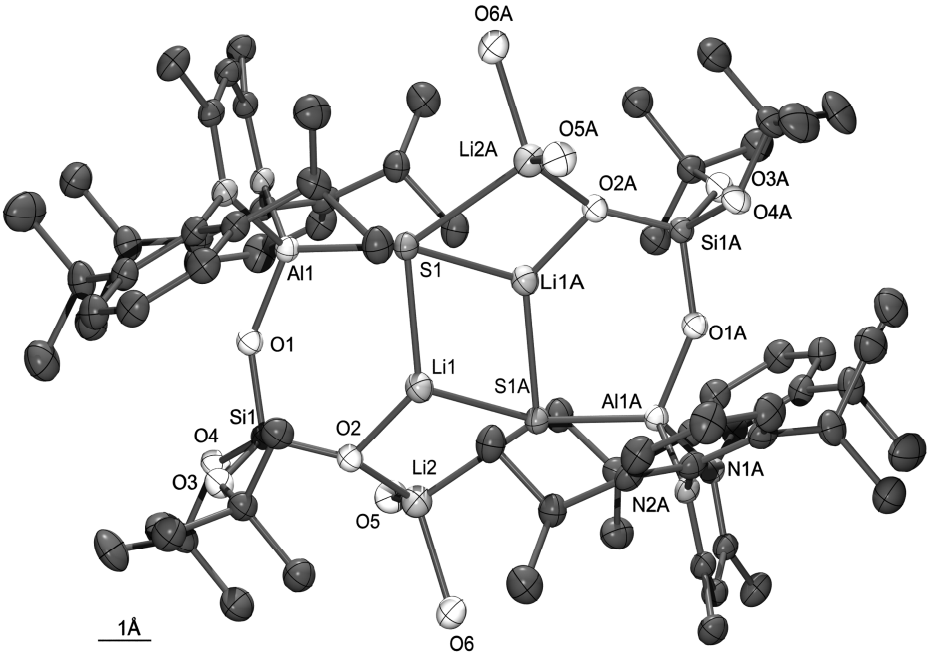

Figure 1. The crystal structure of [LAl(SLi)(μ-O)Si(OLi·2thf)(O^{t}Bu)$_2$]$_2$