

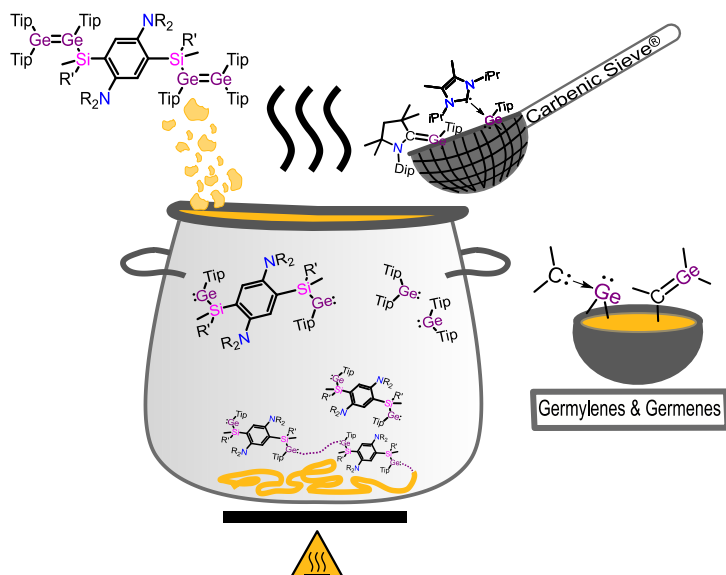
Metathesis Polymerisation of Digermenes

Anna-Lena Thömmes, David Scheschkewitz

Saarland University, Krupp-Chair of General and Inorganic Chemistry,
Campus C4.1, 66123 Saarbrücken, Germany

E-mail: anna-lena.thoemmes@uni-saarland.de, scheschkewitz@mx.uni-saarland.de

Metathesis has been a precious synthetic tool ever since its discovery in 1964, mainly used for the formation of olefinic bonds.^[1-3] Our recently developed catalyst-free *Heavier Acyclic Diene Metathesis* (HADMET) allowed for the isolation of the first polymer with Ge=Ge double bonds,^[4] one of the truly rare specimen containing low-valent p-block elements.^[5] Regarding the versatile features, such as high flexibility, light weight and in particular the anticipated semiconducting properties, the here investigated



silyldigermene polymers are considered promising materials for application in various (opto-)electronic devices. Our current research on soluble poly(digermenes) further includes Lewis-base stabilisation of the intermediate germynes, unveiling unprecedented structures and enabling the optimisation of the metathesis polymerisation.

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