## A Journal of the Gesellschaft Deutscher Chemiker 18 Pournal of the Gesellschaft Deutscher Chemiker 18 Pournal of the Gesellschaft Deutscher Chemiker 19 Pournal of the Gesellschaft Deutscher Chemi International Edition www.angewandte.org 2009-48/24 2 Me<sub>2</sub>C=CHCOMe Velocity (mm/s)

... with a Sn–Sn bond, [{(RSn<sup>IV</sup>)<sub>2</sub>(µ-S)<sub>2</sub>}<sub>3</sub>Sn<sup>III</sup><sub>2</sub>S<sub>6</sub>] (R=CMe<sub>2</sub>CH<sub>2</sub>COMe), crystallizes upon condensation of the dissolved double-decker thiostannate [(RSn)<sub>4</sub>S<sub>6</sub>] in daylight, as S. Dehnen et al. describe in their Communication on page 4441 ff. Mössbauer spectra and DFT calculations confirm that the mixed-valence complex formally contains Sn<sup>III</sup> and Sn<sup>IV</sup> atoms. Both compounds have terminal carbonyl groups, which can be used for further reactions at the ligand shell for the targeted synthesis of complex hybrid compounds.

A mixed-valent thiostannate complex ...



## **Inside Cover**

## Zohreh Hassanzadeh Fard, Christian Müller, Thomas Harmening, Rainer Pöttgen, and Stefanie Dehnen\*

A mixed-valent thiostannate complex with a Sn–Sn bond,  $[\{(RSn^{IV})_2(\mu-S)_2\}_3Sn^{III}_2S_6]$  (R=CMe<sub>2</sub>CH<sub>2</sub>COMe), crystallizes upon condensation of the dissolved double-decker thiostannate  $[(RSn)_4S_6]$  in daylight, as S. Dehnen et al. describe in their Communication on page 4441 ff. Mössbauer spectra and DFT calculations confirm that the mixed-valence complex formally contains Sn<sup>III</sup> and Sn<sup>IV</sup> atoms. Both compounds have terminal carbonyl groups, which can be used for further reactions at the ligand shell for the targeted synthesis of complex hybrid compounds.

