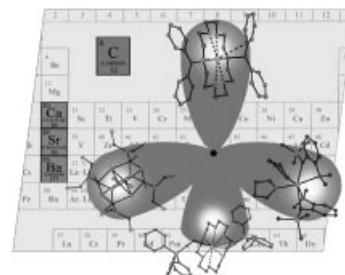


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## COVER PICTURE

**The cover picture shows** the familiar depiction of an  $sp^3$ -hybrid orbital. Each lobe highlights an example of one of the emerging classes of heavy alkaline earth organometallic compounds, specifically those in which the central metal (calcium, strontium and barium) displays direct metal–carbon bonds. Clockwise around the orbital, these classes are: di- and triphenylmethanides, dibenzyl species, acetylides, and “ate” complexes. Atoms in green depict the alkaline earth metal centers, carbon atoms are black, silicon atoms pink, oxygen atoms red and nitrogen atoms blue. Details are discussed in the Microreview by J. S. Alexander and K. Ruhlandt-Senge on pp. 2761 ff. The cover image was generated by Dr. Jesse Taylor (Syracuse University).



## MICROREVIEW

### Contents

### 2761 J. S. Alexander, K. Ruhlandt-Senge\*

Not Just Heavy “Grignards”: Recent Advances  
 in the Organometallic Chemistry of the Alkaline  
 Earth Metals Calcium, Strontium and Barium

**Keywords:** Calcium / Strontium / Barium /  $\sigma$ -bound  
 organometallics / Synthesis / Structural  
 characterization

