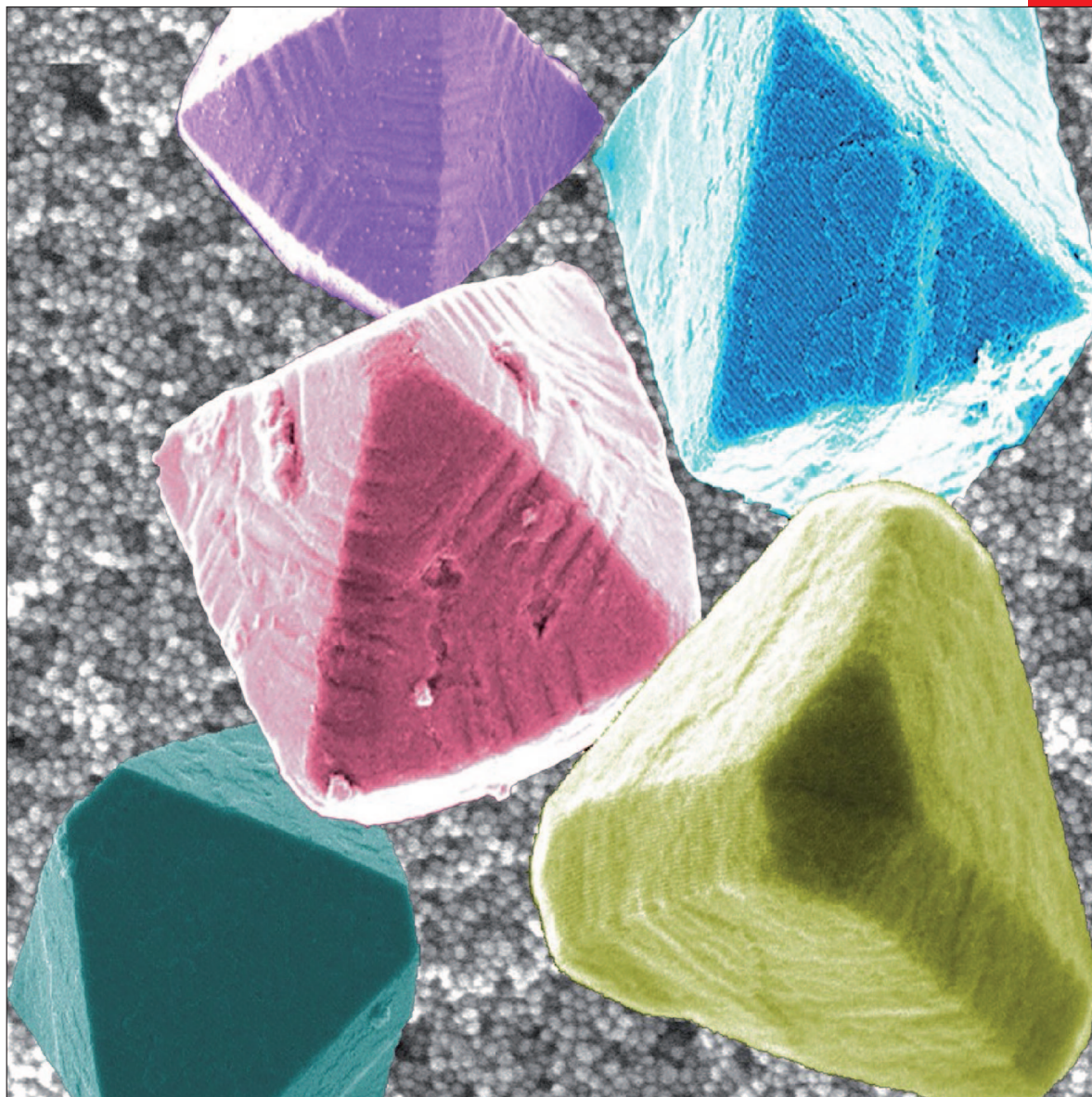


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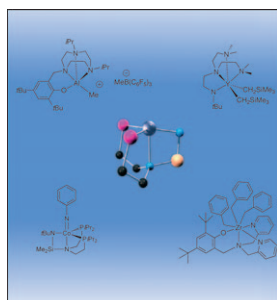
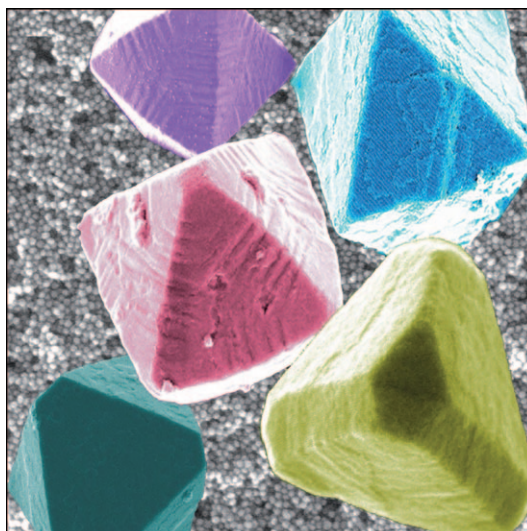
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Minireview

Use of Tetradentate Monoanionic Ligands
for Stabilizing Reactive Metal Complexes
J. Arnold and W. A. Chomitz

 WILEY-VCH

... characterized by different size distributions can form 3D supra-crystals. In their Communication on page 2032 ff., Grzybowski et al. come to the conclusion that, from both the experimental data and the simulations, the growth of 3D crystals is hindered by entropic effects, owing to finite nanoparticle polydispersities.

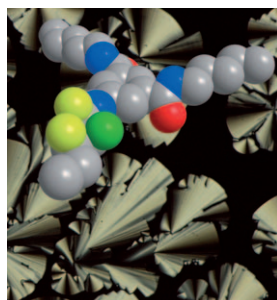
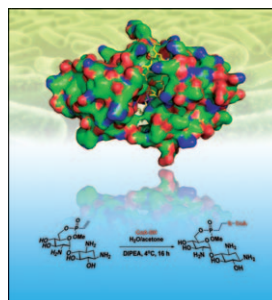


Tetradentate Monoanionic Ligands

Tetradentate monoanionic ligands have attracted much attention recently because of their ability to form complexes with p-, d-, and f-block elements and to stabilize reactive low-valent and cationic species, and the resulting complexes have a very broad range of uses. In their Mini-review on page 2020 ff., W. A. Chomitz and J. Arnold examine these interesting ligands and their derivatives, including their syntheses, in detail.

Michael Addition Reaction

In their Full Paper on page 2064 ff., K. Auclair et al. have reported the first synthesis of a phosphonate-linked aminoglycoside-CoA derivative by means of an elegant Michael-type addition of the CoA thiol onto a vinylphosphonate in water. The route includes only one protection step and the expensive CoA is added in the last step.



Benzene-1,3,5-tricarboxamide Self-Assembly

In their Full Paper on page 2071 ff., A. R. A. Palmans, E. W. Meijer and co-workers describe the effect of the position and configuration of a chiral methyl group in the aliphatic side chain of asymmetric benzene-1,3,5-tricarboxamides. The results presented illustrate that even small changes in the molecular structure affect the solid-state structures and self-assembly behavior in dilute solutions.

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