CHEMISTRY

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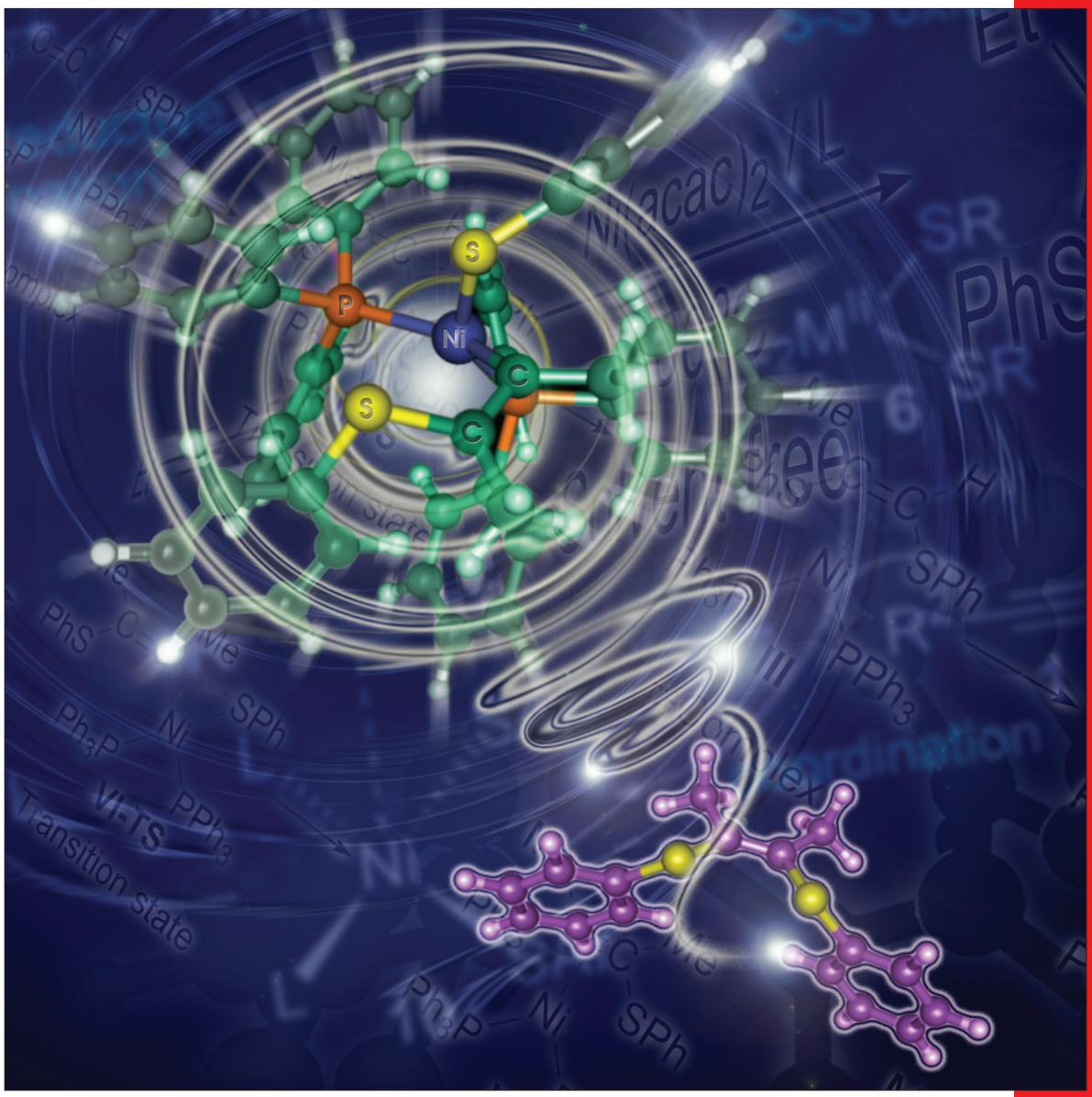

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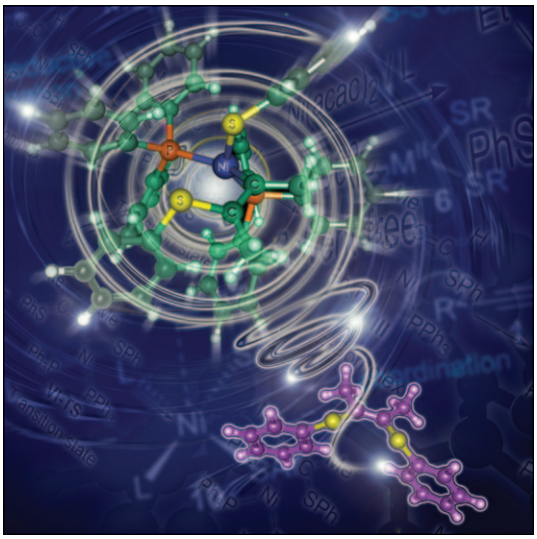
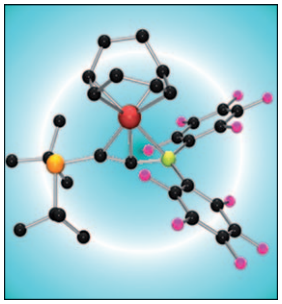
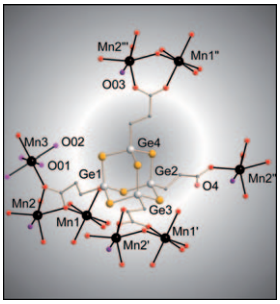
… a long-standing problem of selective S–S bond addition to internal alkynes as well as the development of a new look at the mechanistic picture of these reactions is discussed by I. P. Beletskaya, V. P. Ananikov et al. in their Full Paper on page 2063 ff. They discovered that two pathways of C–S reductive elimination are possible and the nature of the ligand is the key controlling factor. The first pathway selectively involves terminal alkynes, whereas the second pathway is suitable for both terminal and internal alkynes.

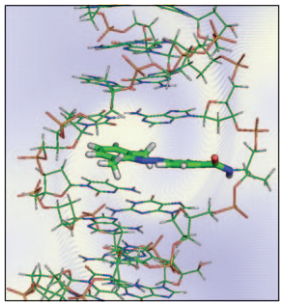




Boron Chemistry
In their Communication on page 2040 ff., D. W. Stephan et al. report crystallographic and computational data that illustrate that complexes [{tBu$_2$PC≡CB(C$_6$F$_5$)$_2$}Ni(cod)] (shown here) and [({tBu$_2$PC≡CB(C$_6$F$_5$)$_2$}Ni(NCMe))$_2$] contain a dative Ni→B interaction, which prompts an unconventional *trans* metal–alkyne binding mode.



Organic–Inorganic Hybrid Composites
In their Communication on page 2050 ff., S. Dehnen et al. present a novel type of hybrid compound based on organic-functionalized metal chalcogenide cages as well as transition-metal ions as nodes, both of which contribute to the electronic situation and thus the properties of the network.



DNA Hybridization
In their Full Paper on page 2054 ff., H. Nishioka, X. G. Liang, and H. Asanuma discuss the effect that *ortho*-modified azobenzene has on the photoregulation of DNA hybridization and the thermal stability of the *cis* form.