

19/2008

1st July Issue

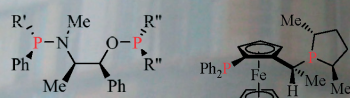
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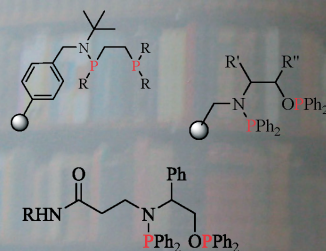
European Journal of
Inorganic Chemistry

Libraries of Bidentate Phosphorus Ligands; Synthesis Strategies and Applications in Catalysis

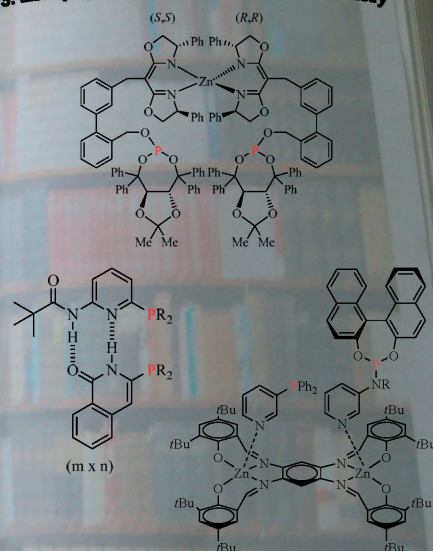
2. Library Synthesis using modular approach



3. Library Synthesis using solid phase techniques



3. Library Synthesis using supramolecular chemistry



Cover Picture / Microreview

Joost N. H. Reek et al.

Libraries of Bidentate P Ligands and Application in Catalysis

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The EUChemSoc Societies have taken the significant step into the future by merging their traditional journals, to form two leading chemistry journals, the *European Journal of Inorganic Chemistry* and the *European Journal of Organic Chemistry*. Three further EUChemSoc Societies (Austria, Czech Republic and Sweden) are Associates of the two journals.

COVER PICTURE

The cover picture shows structures that represent three different ways of making phosphorus-based ligand libraries: modular synthesis, solid-phase synthesis and formation of ligands by assembly of smaller building blocks. These ligand libraries are important for the rapid identification of new catalysts for (asymmetric) conversions. In this Microreview on p. 2939ff. J. N. H. Reek et al. show examples that illustrate these strategies.

