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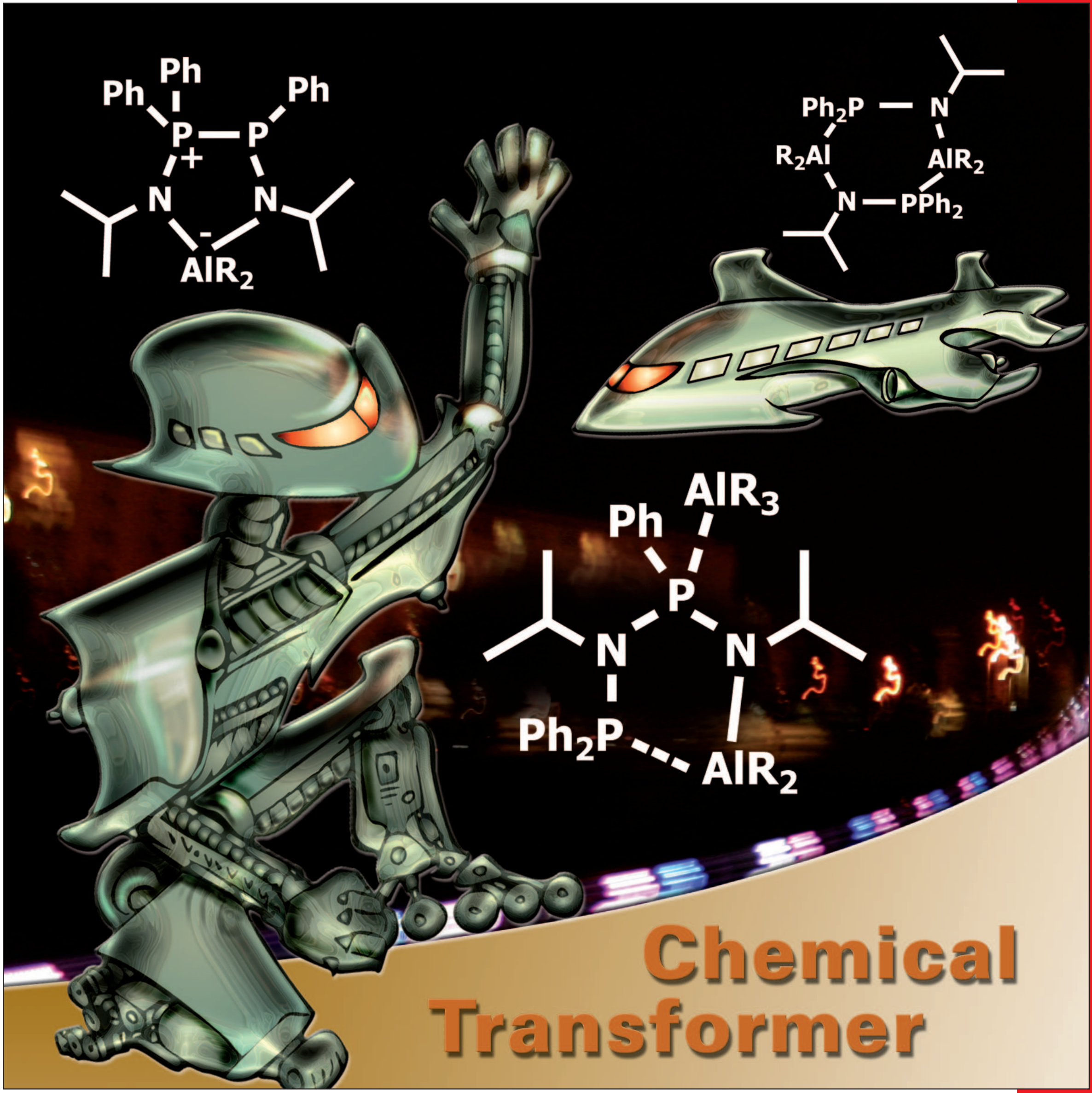

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Minireview
Recent Strategies for the Synthesis of Pyridine Derivatives
M. D. Hill

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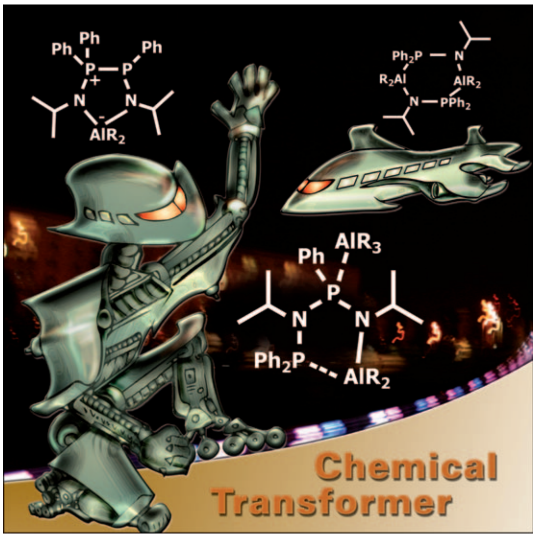
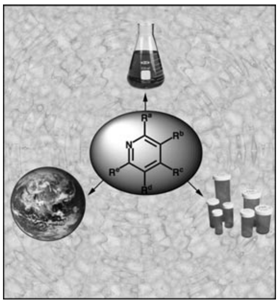
The temperature-dependent…

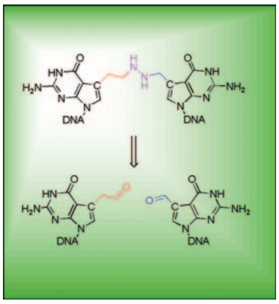
… transformation of a ligand used for the selective trimerization of ethene has been investigated. In their Full Paper on page 12127 ff., U. Rosenthal, W. Müller et al. describe the coordination, deprotonation, rearrangement, and cleavage of the ligand backbone in the presence of trialkylaluminum compounds. The resulting complexes were characterized and tested in ethene oligomerization reactions and the results underline the remarkable importance of the ligand's structure for selectivity in these reactions.

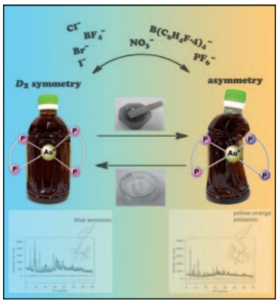




Heterocycles
In the Minireview on page 12052 ff., M. D. Hill describes various recently developed methodologies for the synthesis of functionalized pyridine derivatives published in the literature. Many of these reports offer new modifications to existing methodologies, whereas others describe unprecedented transformations, in particular, trends toward transition-metal-catalyzed processes.

Nitrogen Mustard
In their Communication on page 12100 ff., O. D. Schärer, C. Simmerling et al. describe the synthesis of a stable nitrogen mustard interstrand crosslink (NM ICL) analogue by post-synthetic double reductive amination. The availability of stable, site-specific NM ICLs will enable studies of the structural consequences and biological responses induced by NM ICLs, more than sixty years after NMs were the first agents to be used in cancer chemotherapy.





Phosphorescence Color Alteration
In their Full Paper on page 12114 ff., M. Osawa et al. demonstrate that the symmetry reductions on tetrahedral gold(I) complexes are responsible for the reversible phosphorescence color alteration caused by external stimuli (volatile organic compounds, mechanical grinding). These responses are characteristic in that no aggregation through intermolecular aurophilic interactions is required to change the emission color, thus these complexes can be applicable to the dopant for luminescent materials.

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