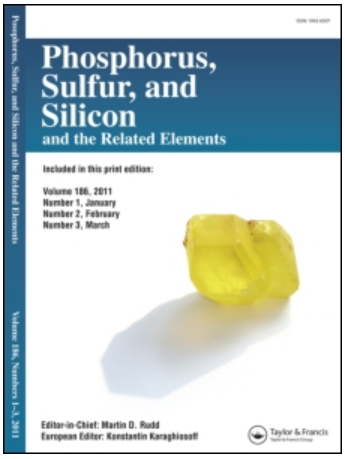

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Organometallic 4π Ligands as Building Blocks of Clusters

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Organometallic 4π Ligands as Building Blocks of Clusters

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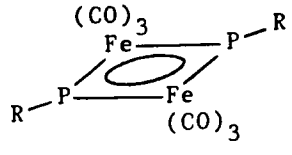
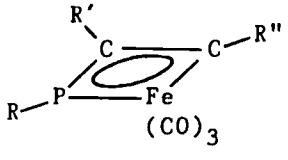
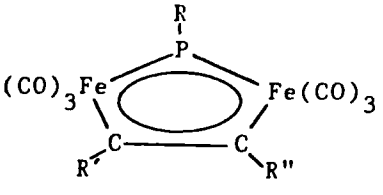
The chemistry of RP-bridged clusters may be interpreted in terms of coordinatively stabilized antiaromatic organometallic 4π ligands. The idea of regarding these 4π entities (cf. A - C) as the central constituents of clusters is a synthetically rewarding approach.



(A)

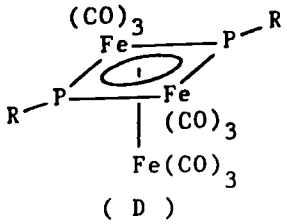


(B)

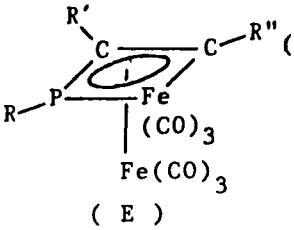


(C)

The synthesis and properties of derivatives of such ligands (cf. D - F) as well as of the related sulfur-bridged compounds will be discussed.



(D)



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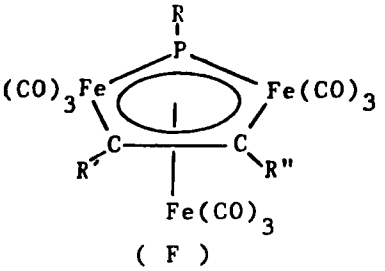

(F)