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Robert H. Crabtree, Ph. D., is Whitehead professor in the Department of Chemistry at Yale University. He has served on the editorial boards of Chemical Reviews, New Journal of Chemistry, Journal of

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of organometallic compounds, chemical compounds containing at least one chemical bond between a carbon atom of an organic molecule and a metal, including alkaline, alkaline earth, and transition metals, and sometimes broadened to include metalloids like boron, silicon, and tin, as well. Aside from bonds to organyl fragments or molecules, bonds to ...

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compounds are tetraethyllead; it was used as a fuel (leaded gasoline) additive in the past.

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ROBERT H. CRABTREE, PhD, is a professor in the Department of Chemistry at Yale University. He has served on the editorial boards of Chemical

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1. Introduction. The role of carbocyclic ligands in the development of novel organometallic complexes has been substantial, most notably utilising the cyclopentadienyl, arene, cyclooctatetraenyl and their related ring systems .Although the use of such ligands has

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been comprehensively researched, the organometallic chemistry of the pentalene dianion [C₈H₆]²⁻ has not been as extensively ...

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An organometallic compound is a compound that has a carbon bound to a metal. Why is that interesting or helpful? To answer that question, you need to know a little bit about organic chemistry.

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