

electrochemical reactions

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Electrochemical Investigations on Methylenephosphines and Related Systems.

— Electrochemical investigations on 9 examples of methylenephosphines such as (I) and the related compounds (II) and (III) are reported. They are shown to possess an irreversible oxidation and reduction wave. An exception is the diphosphene (III), which reversibly forms a radical anion. Based on the redox properties of these systems a relative ordering of frontier orbitals is possible. — (SCHOELLER, W. W.; NIEMANN, J.; THIELE, R.; HAUG, W.; Chem. Ber. 124 (1991) 3, 417-421; Fak. Chem., Univ., W-4800 Bielefeld, Fed. Rep. Ger.; EN)