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Inductive effect of substituents in the correlation analysis. The problem of quantitative estimation

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Abstract

Systematisation and analysis of the literature data concerning quantitative estimation of inductive interaction of functional groups in organic and organoelement compounds have been carried out. The data of own autor's works devoted to elaboration of new model of inductive effect which permits to calculate theoretically the inductive constants of various substituents at any reactive centers are generalised. The possibility of using the elaborated approach to solve some important theoretical questions connected with the problem of inductive effect, such as inductive influence in organoelement compounds and inductive effect of alkyl groups, is also discussed.
