Hammett, Louis Plack 1894 - 1987

DEGREE: PhD DATE: 1923 PLACE: Columbia
TEACHER/RESEARCH ADVISOR: Beans

contributed to physical organic chemistry through his work on the speed of chemical processes and the arrangement of atoms within molecules; developed the Hammett equation which involves the effect of certain kinds of change in structure on the reactivity of a wide range of substances; clarified the theory of acidity which enabled chemists to treat the reactions of acids and bases quantitatively in a range of systems previously not available; carried out extensive studies of the rates of the hydrolysis of esters and alkyl chlorides, and the halogenation of ketones.