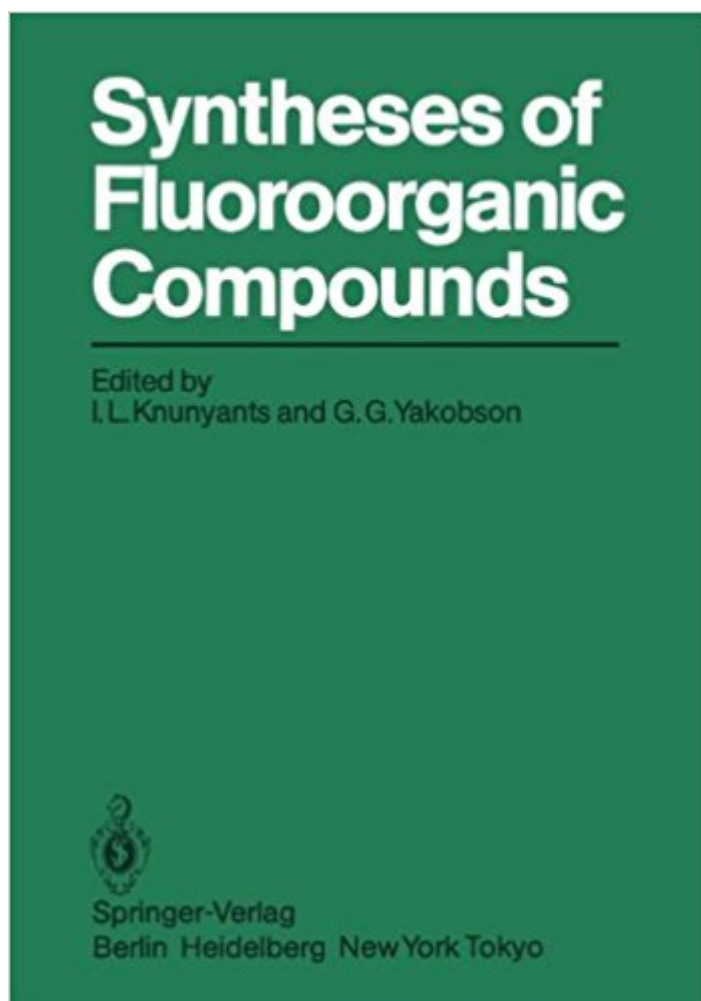




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Syntheses Of Fluoroorganic Compounds



Synopsis

Recently there has been a tremendous growth in the chemistry of fluoroorganic compounds, which find wide application in various fields of technique and are used to solve some basic theoretical problems. The chemical properties of these compounds are rather specific, as well as the methods for their preparation. We realized that no good handbooks on the preparation of fluoroorganic compounds were available, whereas the methods of preparation are scattered in numerous scientific papers and patents. Even such a well-known publication as Organic Syntheses contains just a few methods of preparation of fluoroorganic compounds. As a consequence, not only for newcomers but even for specialists, searching for simple and convenient methods for the preparation of the required compounds is tedious. To alleviate the problem, we undertook to prepare this book, which presents detailed preparation methods of more than 300 fluoroorganic compounds. Emphasis has been laid on syntheses of polyfluorinated compounds, since they are of major interest with respect to preparation and utility. Preparation of fluoroorganic compounds is based both on the classical methods of organic chemistry and on the specific ones, which is due to the difficulty or even impossibility of the direct introduction of fluorine into a definite position of organic molecule. Most organic compounds of fluorine are prepared by a succession of conversions of a relatively small number of starting compounds.

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