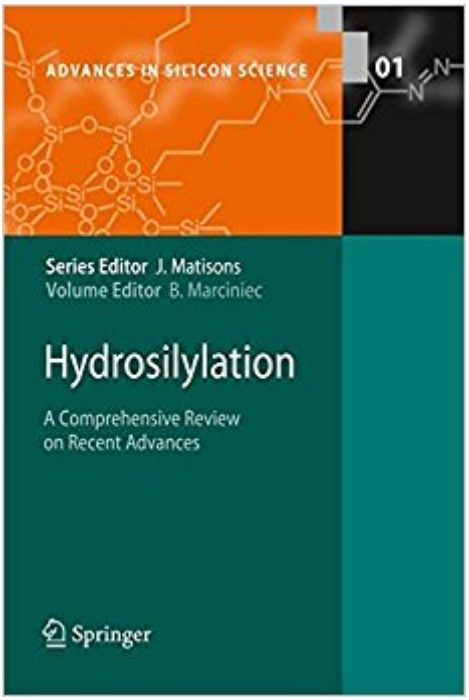
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Hydrosilylation: A Comprehensive Review On Recent Advances (Advances In Silicon Science)



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Synopsis

For fifty years, Hydrosilylation has been one of the most fundamental and elegant methods for the laboratory and industrial synthesis of organosilicon and silicon related compounds. Despite the intensive research and continued interest generated by organosilicon compounds, no comprehensive book incorporating its various aspects has been published this century. The aim of this book is to comprehensively review the advances of hydrosilylation processes since 1990. The survey of the literature published over the last two decades enables the authors to discuss the most recent aspects of hydrosilylation advances (catalytic and synthetic) and to elucidate the reaction mechanism for the given catalyst used and the reaction utilization. New catalytic pathways under optimum conditions necessary for efficient synthesis of organosilicon compounds are presented. This monograph shows the extensive development in the application of hydrosilylation in organic and asymmetric syntheses and in polymer and material science.

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From the reviews: "Ã¢â ¬ËœThis book is a remarkably useful contribution to the literature of organosilicon chemistry and silicon-based polymers. Ã¢â ¬Â¦ I do highly recommend this book to researchers concerned with this area. For research libraries, it represents a very timely and thorough compilation of the literature Ã¢â ¬Â¦.Ã¢â ¬â„¢ For those of us working in organosilicon chemistry, this is a useful compendium of the recent developments in hydrosilylation reactions.

Ã¢â ¬Â¦ I am happy to recommend this book to individuals and institutions with research interests in silicon chemistry." (Stephen J. Clarson, Silicon, Vol. 1, 2009)

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Not great for real world hydrosilylation but great for the academic

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