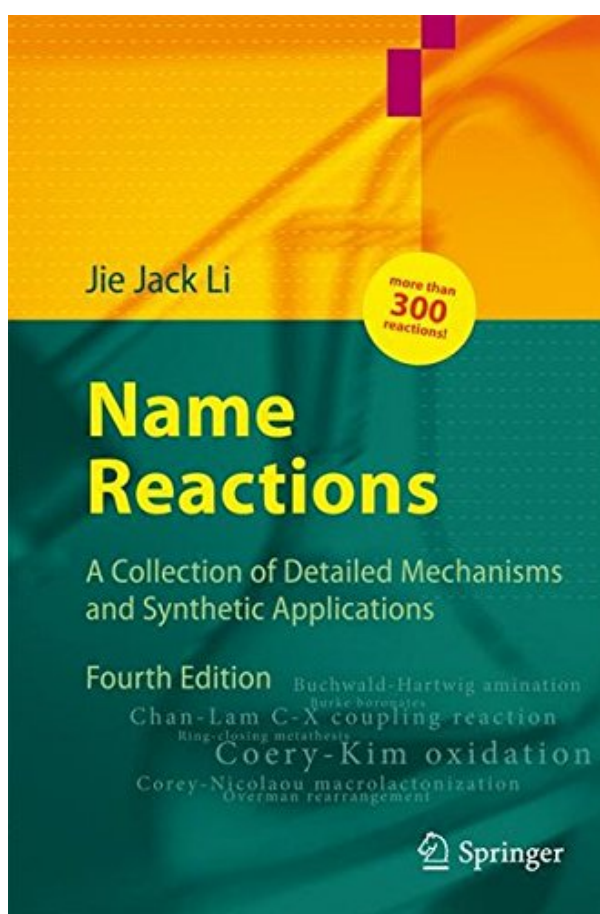
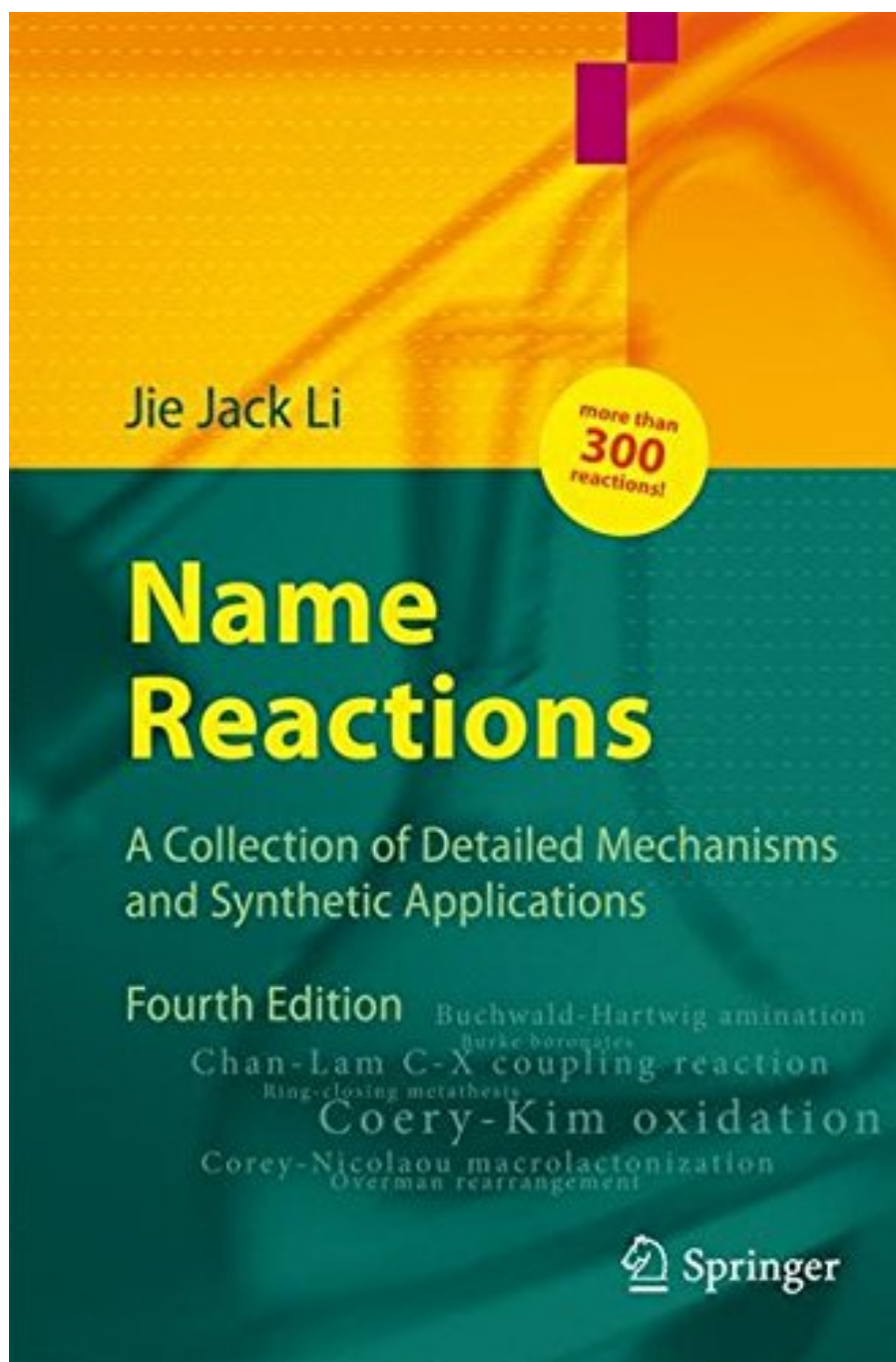


# NAME REACTIONS: A COLLECTION OF DETAILED MECHANISMS AND SYNTHETIC APPLICATIONS BY JIE JACK LI



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Review

Reviews of the Fourth Edition:

"This is the 4th edition of a classic collection of organic reactions which have been named after the original chemist with which they are associated. It now covers over 300 classical and contemporary name reactions. Each entry includes the name of the reaction, a short description, the step-by-step mechanism, two to three representative examples and a list of references, updated in many cases up to 2009. Biographical sketches for the chemists who discovered or developed those name reactions have been included.

A useful resource for senior undergraduate and graduate students for learning and exams, but also a good reference book for all organic chemists." Gordon Fisher, Chemistry World, December, 2009.

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#### From the Back Cover

The fourth edition is revolutionary in comparison to the previous three editions. The format change has doubled the space to accommodate at least two to three real case applications in synthesis for each name reaction. The references are updated to 2009. Several new name reactions and reagents are included to reflect the state-of-the-art of organic chemistry. Unlike other books on name reactions in organic chemistry, *Name Reactions, A Collection of Detailed Reaction Mechanisms and Synthetic Applications* focuses on their mechanisms. It covers over 300 classical as well as contemporary name reactions. Each reaction is delineated by its detailed step-by-step, electron-pushing mechanism, supplemented with the original and the latest references, especially review articles. Now with addition of many synthetic applications, it is not only an indispensable resource for senior undergraduate and graduate students for learning and exams, but also a good reference book for all organic chemists interested in name reactions.

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#### Most helpful customer reviews

17 of 17 people found the following review helpful.

A excellent collection of important Name Reactions

By E. M. Johnson II

This book is a must for any undergrad, graduate student or for that matter, CHEMIST, at any level who is interested in Name Reactions. It contains 331 name reactions that range from classic organic chemistry to modern day organic chemistry. An excellent collection of important name reactions that is in an easy to read format. Each reaction contains a brief summary, a general reaction scheme and a detailed arrow pushing mechanism.

I really like this book because of its contents and simplicity. Its very easy to find the reaction you are looking for and the information is complete. It would be very helpful in studying for advance organic chemistry exams or as a quick reference when you do not know a particular named reaction. The index is about average for this type of book; however, this book is based on the fact that you are looking up named reactions and not using it as a functional group conversion reference.

After all is said and done, I can truly say that I am glad I purchased this book. It is a complete summary of named reactions and I look forward to using it in the years to come.

Thanks

8 of 8 people found the following review helpful.

Basic Named Reaction Book

By Amazon Customer

Dr. Li's Name Reactions is a very good but basic name reactions book. It covers the reaction mechanics but does not offer the background information and comprehensive literature references of Laszlo Kurti's and Barbara Czako's Strategic Applications of Named Reactions in Organic Synthesis.

It is also much sparser and limited than Name Reactions and Reagents in Organic Synthesis, which includes examples of the use of the named reactions and also the use and mechanisms of named reagents.

Li's book is very good but is limited in comparison to the competitors. It is not a bad book but does not offer the value and utility of the other books named in this review.

2 of 2 people found the following review helpful.

Great Book....A must read !

By Jim Romano

Dr. Li has done a great job with this book.....A few mechanisms such as Wildergrodt Reaction leaves out critical steps....but as the entire work is considered...I would say that it is a classic! Kudos, Dr. Li.

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