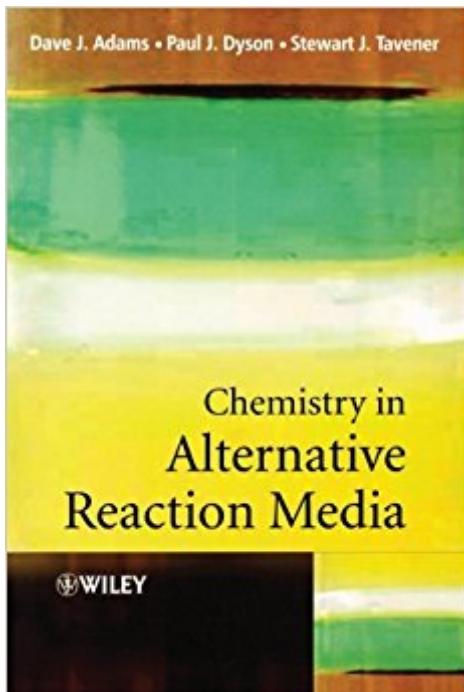


The book was found

# Chemistry In Alternative Reaction Media



## Synopsis

At a time when environmental concerns are increasing, it's important that chemical processes are as environmentally friendly as possible. This book outlines various methods for producing inorganic and organic solvents without the use of traditional solvents that can have detrimental effects on the environment. This is the first book to give extensive and exclusive coverage to the topic. Includes important environmental issues. This book will appeal to anyone with an interest in organic synthesis; reaction chemistry; catalysis; and process development, and to undergraduate and graduate students of organic chemistry; catalysis; green chemistry; clean technology and environmental chemistry courses.

## Book Information

Paperback: 272 pages

Publisher: Wiley; 1 edition (November 21, 2003)

Language: English

ISBN-10: 0471498491

ISBN-13: 978-0471498490

Product Dimensions: 6.1 x 0.6 x 9.1 inches

Shipping Weight: 14.4 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #5,792,680 in Books (See Top 100 in Books) #58 in Books > Science & Math > Chemistry > Organic > Reactions #3194 in Books > Science & Math > Chemistry > Industrial & Technical #4622 in Books > Science & Math > Chemistry > Physical & Theoretical

## Customer Reviews

"Ã¢â€šâ€a convenient and effective book giving a good introduction to the possibilities and problems of new reaction mediaÃ¢â€šâ€|" (Angewandte Chemie International Edition, 2004/43) "...a well-written and timely piece of work for any scientists and engineers who work with solvents...and will be a valuable addition to their bookshelves." (Energy Sources, Vol. 26, 2004) "...well written and easy to read, very useful for a student audience...will introduce the subject to a wider audience..." (Organic Process Research & Development, Dec 2003)

The use of organic solvents and their emissions has been at the centre of major environmental concern in recent years, and there is currently a great deal of interest in finding alternatives to halogenated and volatile organic solvents for synthesis. Chemistry in Alternative Reaction Media

explores why solvents are used and the problems associated with them. It describes the state-of-the-art in solvent replacement technologies. Supercritical fluids, biphasic reactions, ionic and fluorous liquids, and aqueous chemistry are brought together in a single textbook, which explains how they may be used to increase reaction efficiency, improve separation and catalyst recovery, and reduce emissions to the environment. As well as describing the principles behind these methods, and the environmental, economic and chemical advantages that these alternatives can bring, numerous examples of applications are given including most major reaction types, and consideration is given to potential scale-up and industrial use. This book will appeal to anyone with an interest in organic synthesis; reaction chemistry; catalysis; and process development, and to undergraduate and graduate students of organic chemistry; catalysis; green chemistry; clean technology and environmental chemistry courses.

[Download to continue reading...](#)

Chemistry In Alternative Reaction Media Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Advanced Organic Chemistry: Part B: Reaction and Synthesis: Reaction and Synthesis Pt. B Social Media: Master Social Media Marketing - Facebook, Twitter, Youtube & Instagram (Social Media, Social Media Marketing, Facebook, Twitter, Youtube, Instagram, Pinterest) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Social Media: Dominating Strategies for Social Media Marketing with Twitter, Facebook, Youtube, LinkedIn and Instagram: Social Media, Network Marketing, Book 1 Social Media: Strategies To Mastering Your Brand- Facebook, Instagram, Twitter and Snapchat (Social Media, Social Media Marketing) Social Media: 30 Marketing Strategies for Facebook, Twitter and Instagram (Social Media, Facebook, Twitter, Instagram, Social Media Marketing) Sport Beyond Television: The Internet, Digital Media and the Rise of Networked Media Sport (Routledge Research in Cultural and Media Studies) Advanced Organic Chemistry: Part B: Reaction and Synthesis Basher Science: Chemistry: Getting a Big Reaction Reaction Mechanisms of Inorganic and Organometallic Systems (Topics in Inorganic Chemistry) Reaction Mechanisms At a Glance: A Stepwise Approach to Problem-Solving in Organic Chemistry Reaction Mechanisms in Environmental Organic Chemistry Unimolecular Reaction Dynamics: Theory and Experiments (International Series of Monographs on Chemistry) Chemical Kinetics and Reaction Dynamics (Dover Books on Chemistry) Arrow-Pushing in Organic Chemistry: An Easy Approach to Understanding Reaction Mechanisms Building Green, New Edition: A Complete How-To Guide to Alternative Building Methods Earth Plaster \* Straw Bale \* Cordwood \*

Cob \* Living Roofs (Building Green: A Complete How-To Guide to Alternative) Blackwell  
Complementary and Alternative Medicine: Fast Facts for Medical Practice (Complimentary and  
Alternative Medicine) Alternative Cancer Therapies (Cancer,Cancer Cure,Cancer Diet,Coping With  
Cancer,Cancer Books,Breast Cancer,Lung Cancer,Cancer Prevention,Colon Cancer) (Alternative  
Medicine Book 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)