

**Organic Reactions, Volume 73.** Editor-in-Chief: Scott E. Denmark (University of Chicago, Urbana). John Wiley & Sons, Inc.: Hoboken, NJ. 2009. x + 608 pp. \$140. ISBN 978-0-470-43690-5.

This latest volume of *Organic Reactions* consists of the following chapter: “Allylboration of Carbonyl Compounds” by Hugo Lachance and Dennis Hall. The book concludes with a list of cumulative chapter titles by volume, an author index of volumes 1–73, and a chapter and topic index of the same range of volumes.

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**Practical Microwave Synthesis for Organic Chemists: Strategies, Instruments, and Protocols.** By C. Oliver Kappe, Doris Dallinger (both at Karl-Franzens-University Graz, Austria), and S. Shaun Murphree (Allegheny College, Meadville, PA, USA). WILEY-VCH Verlag GmbH & Co. KGaA: Weinheim. 2009. x + 300 pp. \$80. ISBN 978-3-527-32097-4.

The goal of the authors in writing this book was to create a “How To Get Started” guide to microwave-assisted organic synthesis (MAOS) for beginners, although they do state that it could also serve experienced users. Microwave synthesis is introduced in Chapter 1, followed by a chapter on the theory of microwave dielectric heating and the effects of microwaves. In Chapter 3, the authors review the various microwave reactors available for organic synthesis, and in Chapter 4, they discuss

techniques for microwave processing. Chapter 5, “Starting With Microwave Chemistry” provides pointers and tips for the novice performing experiments in MAOS and includes an FAQ section. The final chapter, “Experimental Protocols”, offers a collection of tried and true experiments for the novice and teacher. Each chapter is well referenced, and a subject index completes the book.

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**Polymer Grafting and Crosslinking.** Edited by Amit Bhattacharya (Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat, India), James W. Rawlins (University of Southern Mississippi, Hattiesburg, MS, USA), and Paramita Ray (Central Salt and Marine Chemicals Research Institute, Bhavnagar, India). John Wiley: Hoboken, NJ. 2009. x + 342 pp. \$125. ISBN 978-0-470-40465-2.

This book covers the fundamental science, methodologies, and applications of polymer grafting and crosslinking. There are 12 main chapters: the first five introduce basic concepts, such as mechanisms, kinetics, and analytical evidence of polymer modification, and the remaining seven focus on applications in biomedicine; textiles; automobiles; cable technology; separation and purification; coatings, adhesives, and laminates; and commodity plastics. The book ends with a short chapter by Bhattacharya on “Future Directions” and a subject index.

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