

**Targets in Heterocyclic Systems: Chemistry and Properties, Volume 12 (2008).** Edited by Orazio A. Attanasi (University of Urbino, Italy) and Domenico Spinelli (University of Bologna, Italy). Italian Society of Chemistry: Rome. 2009. xii + 486 pp. \$159. ISBN 978-88-86208-56-7.

There are 15 chapters in this volume of *Targets in Heterocyclic Chemistry* covering “the synthesis, reactivity, activity (including medicinal) and mass spectrometry of different heterorings”, according to the Preface. A sampling of a few of their titles includes the following: “Metal-mediated C–C and C–M bond formation in the synthesis of bioactive purines” by Gundersen; “*Meso*-substituted porphyrin synthesis from monopyrrole: an overview” by Pereira et al., and “Carbolithiation reactions in the synthesis of heterocycles” by Sanz and Martínez. The book does not include an index.

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**Name Reactions: A Collection of Detailed Mechanisms and Synthetic Applications, 4th ed.** By Jie Jack Li (Bristol-Myers Squibb Company, Wallingford, CT). Springer-Verlag: Berlin, Heidelberg. 2009. xxii + 622 pp. \$99.00. ISBN 978-3-642-01052-1.

As with previous editions, the current one covers more than 300 classical and contemporary name reaction mechanisms. As a result of suggestions from readers of earlier editions, Li has included two to three representative examples of useful synthetic applications for each reaction. Biographical sketches of the

originators or developers of the reactions are given in the references, and the subject index has been significantly expanded.

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**Encyclopedia of Chromatography, 3rd ed., Vols. I–III.** Edited by Jack Cazes (Consultant, Lady Lake, FL). CRC Press (an imprint of the Taylor & Francis Group): Boca Raton, FL. 2850 pp. \$590. ISBN 978-1-4200-8480-1.

This third edition of the *Encyclopedia of Chromatography* is a source for the latest information on chromatographic techniques and methodologies, applications, and key references to the literature. Topics new to this edition include the following: Bioanalysis: Silica- and Polymer-Based Monolithic Columns; Bioluminescence: Detection in TLC; Chemical Warfare Agent Degradation Products: HPLC/MS Analysis; Chemical Warfare Agents: TLC Analysis; Cyclodextrins in GC; Cyclodextrins in HPLC; Detection in Ion Chromatography; Drug Development: LC/MS; Flash Chromatography; Food Analysis: Ion Chromatography; Inorganic and Organic Cations: Ion Chromatographic Determination; Inverse GC; Multidimensional Separations: Spiral Column Assembly for HSCCC; Thin Layer Radiochromatography; Topological Indices: TLC; and UV–visible Detection Including Multiple Wavelengths. The book contains two tables of contents: one in alphabetical order and the other by category of chromatography, such as affinity chromatography or TLC.

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