



Celebrating International Year of Chemistry

European Women in Chemistry

Edited by Jan Apotheker and Livia Simon Sarkadi

The official book of the EuCheMS societies for the *International Year of Chemistry*, it provides a collection of lively stories about remarkable European female chemists through the centuries. Some of them are famous and still well-known, such as Nobel prize winner Marie Curie. Others have contributed significantly to science and lived an extraordinary life, but are nowadays not remembered.

Paperback | 368 pages | January 2011 | ISBN 978-3-527-32956-4
£22.50



The Chemical Element: Chemistry's Contribution to Our Global Future

Edited by Javier Garcia-Martinez and Elena Serrano-Torregrosa

In the *International Year of Chemistry 2011*, leading chemists show how their science is essential to ensuring the long-term survival of humanity. Following the U.N. Millennium Development Goals, the 10 most critical areas are examined, including energy, climate, food, water and health.

Hardback | 368 pages | April 2011 | ISBN 978-3-527-32880-2
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Classics in Total Synthesis III: Further Targets, Strategies, Methods

K. C. Nicolaou and Jason S. Chen

Offers a compilation of very important synthetic methods, which lead to a complex molecule with valuable properties. All synthetic routes are explained step by step, the key developments are highlighted and discussed in contrast to other synthetic methods, making this text an excellent teaching and learning tool.

Paperback | 770 pages | Feb 2011 | ISBN 978-3-527-32957-1
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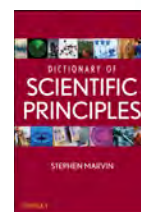


Dictionary of Scientific Principles

Stephen Marvin

Presents a unique and timeless collection of (almost) all known rules or laws commonly called principles, identified throughout the history of scientific development, their definition, and use. Listing more than 2,000 principles organized in a standard alphabetical order.

Hardback | 631 pages | Dec 2010 | ISBN 978-0-470-14680-4
£130.00



Green Chemistry and Engineering: A Practical Design Approach

Concepción Jiménez-González and David J.C. Constable

Bridges the divide between bench chemistry, process design, engineering, environment, health, safety and life cycle considerations. Provides examples and practical exercises to help the reader understand these concepts as applied to the industrial setting.

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Energy for a Sustainable World: From the Oil Age to a Sun-Powered Future

Nicola Armaroli and Vincenzo Balzani

Balancing the pros and cons, this book surveys the energy issue from a broad scientific perspective while considering environmental, economic, and social factors. It explains the basic concepts as well as assessing our unsustainable energy system based on fossil fuels.

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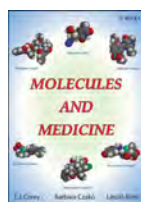


Molecules and Medicine

E. J. Corey, Barbara Czako and László Kürti

Provides, for the first time ever, a completely integrated look at chemistry, biology, drug discovery, and medicine, delving into the discovery, application, and mode of action of more than one hundred of the most significant molecules in use in modern medicine.

Paperback | 272 pages | 2007 | ISBN 978-0-470-22749-7
£34.95



Molecules That Changed the World

K. C. Nicolaou and Tamsyn Montagnon

K. C. Nicolaou introduces the world's most important molecules and shows in a fascinating way the role certain compounds have to play in our everyday lives in the fields of drugs, aromatics or vitamins. Covering examples of Aspirin and Taxol and many, many more.

Hardback | 385 pages | 2008 | ISBN 978-3-527-30983-2
£29.95



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CHEMISTRY

Chemistry in Space: From Interstellar Matter to the Origin of Life

Dieter Rehder

A unique and extraordinary introduction to chemical processes under extreme conditions and their impact on the early development of our solar system, as well as a deeper understanding of processes on Earth where conditions approach those of extraterrestrial areas. An excellent practical book for inorganic, and physical chemists, spectroscopists, astronomers, and libraries.

Paperback | 302 pages | August 2010 | ISBN 978-3-527-32689-1
£85.00



The Evolution of Drug Discovery: From Traditional Medicines to Modern Drugs

Enrique Ravina and Hugo Kubinyi

Based on his profound knowledge of past and present paradigms in the development of medicines, the author takes the reader from the very beginnings of pharmacology to the multibillion-dollar business it represents today. Recounting the often spectacular successes and failures of innovative drugs as well as the people who discovered them, he brings abstract science to life in anecdotal form. For anyone with a more than superficial interest in the science of drugs.

Hardback | 528 pages | March 2011 | ISBN 978-3-527-32669-3
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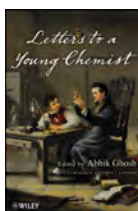


Letters to a Young Chemist

Abhik Ghosh

Written with a personal, humorous touch by today's chemistry luminaries, *Letters to a Young Chemist* offers hypothetical missives from a professor to a chemistry undergrad considering a career in several subdisciplines. These include organic, inorganic, experimental physical, analytical, and theoretical chemistry, as well as chemical biology, materials chemistry, and green chemistry. The authors discuss major achievements, future prospects, and the challenges and satisfactions of a career in each.

Paperback | 312 pages | April 2011 | ISBN 978-0-470-39043-6
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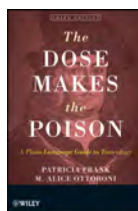


The Dose Makes the Poison: A Plain-Language Guide to Toxicology, 3rd Edition

Patricia Frank and M. Alice Ottoboni

This new edition broadens the scope of its predecessors from a heavy focus on industrial chemicals as toxicants to include drugs, food additives, cosmetics and other types of compounds that people are exposed to daily. As well as nanoparticulate toxicants, second hand smoke, food contamination, lead in toys, and others.

Paperback | 288 pages | March 2011 | ISBN 978-0-470-38112-0
£20.50

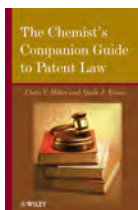


The Chemist's Companion Guide to Patent Law

Chris P. Miller and Mark J. Evans

Written by an individual with experience as both a chemist and a patent attorney, *The Chemist's Companion Guide to Patent Law* covers everything the student or working chemist needs to know about patentability, explaining important concepts of patent law (such as novelty, non-obviousness, and freedom-to-operate) in easy-to-understand terms. Includes many examples from case law as well as real-world situations.

Hardback | 329 pages | July 2010 | ISBN 978-0-471-78243-8
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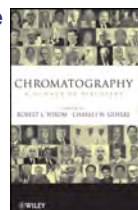


Chromatography: A Science of Discovery

Edited by Robert L. Wixom and Charles W. Gehrke

Leading researchers discuss the past and present of chromatography. Featuring contributions from more than fifty award-winning chromatographers, this book offers a multifaceted look at the development and maturation of this field into its current state, as well as its importance across various scientific endeavors. Including profiles of Nobel laureates who used chromatography in their research, and the role it played.

Hardback | 410 pages | October 2010 | ISBN 978-0-470-28345-5
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