Just published – June 2018

Pharmaceutical Formulation
The Science and Technology of Dosage Forms
Geoffrey D Tovey Visiting Professor King’s College London
and Chief Executive Geoff Tovey Associates, UK

This book will provide the reader with the latest information on the principles and practice of pharmaceutical formulation. Covering a wide range of dosage forms intended for human administration of pharmaceuticals, this text also takes into account modern processing methods and recent changes in the regulatory and quality demands of the industry. Pharmaceutical Formulation will be an essential book for students and researchers working both in academia and in the pharmaceutical industry.

Hardback | 409 pages | ISBN 9781849739412 | £169.00 | $237.00 | 25/06/2018

NOx Trap Catalysts and Technologies
Fundamentals and Industrial Applications
Luca Lietti Politecnico di Milano, Italy
Lidia Castoldi Politecnico di Milano, Italy

For the first time, this book provides a review of the current state of the technology in NOx traps. Covering both the fundamental and applied issues, the book features chapters from people within academia and industry. The book concludes with case studies demonstrating how these technologies are currently put into practice. This book is a fascinating reference for researchers and industrialists working in the treatment of exhaust fumes, as well as people in catalysis and in environmental monitoring.

Hardback | 495 pages | ISBN 9781782629313 | £179.00 | $251.00 | 14/06/2018

Gasotransmitters
Rui Wang Laurentian University of Sudbury, Canada

Building on the complementary information presented in Gas Sensing in Cells, this will be the first book to address the structurally independent but functionally intertwined molecular and cellular event that is gasotransmitter signalling. This book will be of interest to postgraduates and researchers in biochemistry, molecular biology and metallobiology. It will also be useful to pharmacologists and medicinal chemists investigating drugs that act by altering the production and signalling of gaseous mediators as well as toxicologists studying the toxic mechanisms of gasotransmitters in the environment.

Hardback | 302 pages | ISBN 9781782629245 | £179.00 | $251.00 | 29/06/2018
Intensification of Biobased Processes
Andrzej Görak TU Dortmund University, Germany
Lodz University of Technology, Poland
Andrzej Stankiewicz Delft University of Technology, The Netherlands

Providing a comprehensive overview of modern process intensification technologies used in bioprocessing, this book focuses on four different categories of biobased products: bio-fuels and platform chemicals; cosmeceuticals; food products; and polymers and advanced materials. It covers various intensification aspects of the processes concerned, including (bio)reactor intensification, intensification of separation, recovery and formulation operations, and process integration. This is an invaluable source of information for researchers and industrialists working in chemical engineering, biotechnology and process engineering.

Hardback | 518 pages | ISBN 9781782628552 | £179.00 | $250.00 | 19/06/2018

Protein Crystallography
Challenges and Practical Solutions
Konstantinos Beis Imperial College London, UK
Gwyndaf Evans Diamond Light Source, UK

Protein crystallography has become vital to further understanding the structure and function of many complex biological systems. With contributions from leading researchers whose software are used worldwide, this book provides a coherent approach on how to handle difficult crystallographic data and assess its quality. Chapters will cover all key aspects of protein crystallography from instrumentation and data processing through to model building. This book is ideal for both academics and researchers in industry looking for a comprehensive guide to protein crystallography.

Hardback | 228 pages | ISBN 9781782627289 | £159.00 | $223.00 | 21/06/2018