

Storing Energy, with Special Reference to Renewable Energy Sources

Trevor Letcher

Elsevier, 2016, ISBN: 9780128034408

Storing Energy discusses the needs of the world's future energy and climate change policies, covering the various types of renewable energy storage in one comprehensive volume that allows readers to conveniently compare the different technologies and find the process that best suits their particular needs.

Each chapter is written by an expert working in the field and includes copious references for those wishing to study the subject further. Various systems are discussed, including mechanical/kinetic, thermal, electrochemical and other chemical, and other emerging technologies. Incorporating the advancements in storing energy as described in this book will help the people of the world overcome the problems related to future energy and climate change.

See iupac.org/project/2015-006-1-100

Chemistry Beyond Chlorine

Pietro Tundo, Liang-Nian He, Ekaterina Lokteva, Claudio Mota (eds)

Springer 2016, ISBN: 978-3-319-30071-9 (Print)
978-3-319-30073-3 (Online)

Since the industrial revolution, chlorine has been an iconic molecule, even though its production by the electrolysis of sodium chloride is extremely energy intensive. The rationale behind this book is to present useful and industrially relevant examples for alternatives to chlorine in synthesis. This volume presents numerous contributions from an international spectrum of authors, who demonstrate how to facilitate the development of industrially relevant and implementable breakthrough technologies. This volume will interest individuals working in organic synthesis in industry and academia who are working in Green Chemistry and Sustainable Technologies.

See iupac.org/project/2013-057-3-300

POLYCHAR 23—World Forum on Advanced Materials

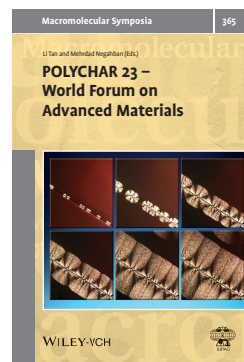
Macromolecular Symposia
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Edited by Li Tan and Mehrdad Negahban

The articles in this volume originated from presentations at the 23rd World Forum on Advanced Materials (POLYCHAR 23), held 11-15 May 2015, at the University of Nebraska-Lincoln, Lincoln, NE, USA. A number of presentations were developed into full length articles for this volume thanks to the diligent efforts of their authors.

The World Forum on Advanced Materials is a long-standing conference that combines a day-long workshop of short courses with a four-day meeting focused on polymer characterization, properties, synthesis, processing, and manufacturing. Each POLYCHAR combines an international forum promoting collaboration between students and scientists with a dedication to providing opportunities for individual growth and for recognition of excellence. See conference report prepared by Michael Hess and published in *C/ Sep* 2015, pp. 42-44. See this issue p. 39 for a report on POLYCHAR 24.

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Macromolecular Complexes Part I and II

Macromolecular Symposia Vol 363 and 364,
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Edited by Andrzej W. Trochimczuk

Parts I and II contain selected contributions to the 16th International Symposium on Macromolecular Complexes (MMC-16, 2015) endorsed by IUPAC. The symposium was held 10-14 August 2015 under the chairmanship of Prof. Andrzej W. Trochimczuk and was organized by faculty and students of the Faculty of Chemistry at Wrocław University of Technology, Wrocław, Poland. The opening lecture, "Macromolecular Complexes with Polymers and Hybrid Materials Prepared by ATRP" was delivered by Prof. Krzysztof Matyjaszewski, Department of Chemistry, Carnegie Mellon University, PA, USA. The delivered plenary and invited lectures covered the following areas: