

This article was downloaded by:

On: 29 January 2011

Access details: *Access Details: Free Access*

Publisher *Taylor & Francis*

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



## Supramolecular Chemistry

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713649759>

### A Review of: "Inclusion Aspects of Membrane Chemistry Editors: T. Osa and J. L. Atwood, Kluwer, 1991"

D. D. Macnicol; R. Paterson

**To cite this Article** Macnicol, D. D. and Paterson, R.(1993) 'A Review of: "Inclusion Aspects of Membrane Chemistry Editors: T. Osa and J. L. Atwood, Kluwer, 1991"', *Supramolecular Chemistry*, 1: 2, 179

**To link to this Article:** DOI: 10.1080/10610279308040664

**URL:** <http://dx.doi.org/10.1080/10610279308040664>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.informaworld.com/terms-and-conditions-of-access.pdf>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan or sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

## BOOK REVIEW

# Inclusion Aspects of Membrane Chemistry

Editors: T. Osa and J. L. Atwood, Kluwer, 1991

Membrane science is one of the major growth areas of technology. It is therefore of considerable interest to have a single volume dedicated to the specific applications and uses of inclusion chemistry in this field. Specificity and mobility are the two major criteria for selective membrane separations and, by its nature, inclusion chemistry is of intrinsic interest to the non-specialist membrane scientist. From the opposite point of view it is equally important that inclusion chemists should appreciate possible applications of their speciality, transposed into the framework of continuous membrane separation processes and the elucidation of biological function.

This book is a valuable addition to the timely series *Topics in Inclusion Science*. The editors have, in this well-organised volume, gathered together six in-depth review chapters covering different aspects of inclusion science as applied to membrane systems. These chapters are, in each case, written by leading international authorities. Each chapter is well-referenced and includes relevant background theory. The table of contents, listed below, speaks for itself. (A subject index is also included.)

- P. R. Brown and R. A. Bartsch/Ion Extraction and Transport by Proton-Ionizable Crown Ethers
- T. M. Fyles/Principles of Artificial Membrane Transport of Ions by Synthetic Ionophores
- T. Kajiyama/Polymer/(liquid Crystal) Composite Membranes
- T. Osa and J. Anzai/Photocontrol of Ion Permeation Through Membrane and Membrane Potential
- H. Ti Tien/Electrochemical and Photoelectrical Properties of Bilayer Lipid Membranes (BLM)
- J. Koryta/Electrochemistry of Ionophore Facilitated Ion Transport across Liquid/Liquid Interfaces

In summary, this compact book will prove of interest to the inclusion chemist or specialist membrane technologist wishing to widen his or her horizons. Equally, it will be of value to newcomers to the exciting and expanding area of inclusion and membrane science.

D. D. MacNicol  
R. Paterson