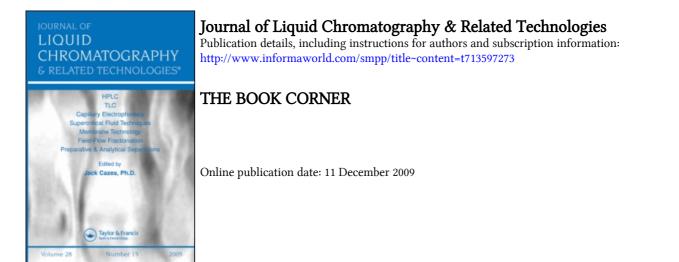
This article was downloaded by: On: 23 January 2011 Access details: Access Details: Free Access Publisher Taylor & Francis Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



**To cite this Article** (2010) 'THE BOOK CORNER', Journal of Liquid Chromatography & Related Technologies, 33: 1, 150 – 151

To link to this Article: DOI: 10.1080/10826070903430530 URL: http://dx.doi.org/10.1080/10826070903430530

## 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.

Journal of Liquid Chromatography & Related Technologies, 33:150–151, 2010 Copyright © Taylor & Francis Group, LLC ISSN: 1082-6076 print/1520-572X online DOI: 10.1080/10826070903430530



## THE BOOK CORNER

Ion Exchange and Solvent Extraction, A Series of Advances Bruce A. Moyer Ed., CRC Press, Boca Raton, Florida, 2009.

This book contains 11 chapters, for a total of 659 pages, dealing with various aspects of materials extractions prior to their analysis. The book is well illustrated with charts and figures. References are up to date. This volume provides a comprehensive look at recent advances in solvent extraction and its role as a separation technique; it includes discussions of the cause and nature of the third phase formation, the overall state of solvent extraction in reprocessing, new molecules for increased selectivity, methods for predicting extraction properties, the effects of radiation on the solvent and its performance, and new chemistry using novel media to mention just a few.

The focus of the current volume, as the Table of Contents indicates, is toward those in the nuclear industry.

## TABLE OF CONTENTS

Overview of solvent extraction chemistry for reprocessing	1
New developments in thorium, uranium and plutonium extraction	65
Overview of recent advances in An(III)/Ln(III) separation by solvent extraction	119
Extraction of radioactive elements by calixarenes	195
Quantitative structure-property relationships in solvent extraction and complexation of metals	319
Simultaneous removal of radionuclides by extractant mixtures	359
Third phase formation in liquid/ligand extraction: a colloidal approach	381
Radiolysis of solvents used in nuclear fuel reprocessing	429
Automation of extraction chromatographic and ion exchange separation for radiochemical analysis and monitoring	515
	New developments in thorium, uranium and plutonium extraction Overview of recent advances in An(III)/Ln(III) separation by solvent extraction Extraction of radioactive elements by calixarenes Quantitative structure-property relationships in solvent extraction and complexation of metals Simultaneous removal of radionuclides by extractant mixtures Third phase formation in liquid/ligand extraction: a colloidal approach Radiolysis of solvents used in nuclear fuel reprocessing Automation of extraction chromatographic and ion exchange separation for radiochemical analysis and

The Book Corner	151
Chapter 10. Design principles and applications of centrifugal contactors for solvent extraction	563
Chapter 11. Neoteric solvents as the basis of alternative approaches to the separation of actinides and fission products	617
•	