Record Nr. UNINA9910787569403321 **Titolo** Ion exchange and solvent extraction: supramolecular aspects of solvent extraction / / edited by Bruce A. Moyer Pubbl/distr/stampa Boca Raton, FL:,: CRC Press,, [2014] ©2014 **ISBN** 0-429-17110-2 1-4822-0431-2 Descrizione fisica 1 online resource (290 p.) Collana Ion exchange and solvent extraction series;; Volume 21 Disciplina 541.3723 Soggetti Ion exchange Macromolecules Solvent extraction Supramolecular chemistry Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references. Nota di bibliografia Nota di contenuto Front Cover; Contents; Preface; About the Editor; List of Contributors; Chapter 1: Supramolecular Chemistry in Solvent Extraction: Toward Highly Selective Extractants and a Better Understanding of Phase-Transfer Phenomena; Chapter 2: Supramolecular Interactions in the Outer Coordination Spheres of Extracted Metal Ions; Chapter 3: Molecular Design and Metal Extraction Behavior of Calixarene Compounds as Host Extractants; Chapter 4: Protein Extraction by the Recognition of Lysine Residues Using Macrocyclic Molecules; Chapter 5: Interfacial Molecular Aggregation in Solvent Extraction Systems Chapter 6: Supramolecular Aspects of Stable Water-in-Oil Microemulsions in Chemical SeparationsBack Cover Over the past several decades, the theme of supramolecular chemistry Sommario/riassunto (SC) has permeated nearly all aspects of chemical endeavor. Not surprisingly, it has also pervaded the field of solvent extraction (SX). inspiring the framework for this volume of Ion Exchange and Solvent Extraction. In addition, tools for studying aggregation have grown increasingly sophisticated, leading to a greater understanding of what we now recognize as SC phenomena in SX. Volume 21, Supramolecular

Aspects of Solvent Extraction identifies how supramolecular behavior occurs and is studied in the context