

1. Record Nr.	UNINA9910841605503321
Titolo	Analytical methods in supramolecular chemistry // edited by Christoph A. Schalley
Pubbl/distr/stampa	Weinheim, Germany, : Wiley-VCH, c2012
ISBN	3-527-64414-8 1-280-78274-9 9786613693136 3-527-64415-6 3-527-64413-X
Edizione	[2nd edition]
Descrizione fisica	1 online resource (827 p.)
Altri autori (Persone)	SchalleyChristoph A. <1968->
Disciplina	547.1226
Soggetti	Supramolecular chemistry Instrumental analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Introduction / Lena Kaufmann, Christoph A Schalley -- Quantitative Analysis of Binding Properties / Keiji Hirose -- Isothermal Titration Calorimetry in Supramolecular Chemistry / Franz P Schmidtchen -- Extraction Methods / Holger Stephan, Manja Kubeil, Kerstin Gloe, Karsten Gloe -- Mass Spectrometry and Gas Phase Chemistry of Supramolecules / Dominik P Weimann, Michael Kogej, Christoph A Schalley -- Diffusion NMR in Supramolecular Chemistry and Complexed Systems / Yoram Cohen, Liat Avram, Tamar Evan-Salem, Sarit Slovak, Noam Shemesh, Limor Frish -- Photophysics and Photochemistry of Supramolecular Systems / Bernard Valeur, Mrio Nuno Berberan-Santos, Monique M Martin, Pascal Plaza -- Circular Dichroism Spectroscopy / Marie Urbanov, Petr Malon -- Electrochemical Methods / Paola Ceroni, Alberto Credi, Margherita Venturi -- Crystallography and Crystal Engineering / Kari Rissanen -- Scanning Probe Microscopy / Bianca A Hermann, Regina Hoffmann-Vogel -- Single-Molecule Force Spectroscopy of Supramolecular Complexes / Tobias Schroeder, Volker Walhorn, Jochen Mattay, Dario Anselmetti -- Confocal Laser Scanning Microscopy: A Versatile Spectroscopic Tool for the Investigation of

Molecular Gels / Anthony D'Alo, Andr Del Guerzo, Frdric Fages --
Transmission Electron Microscopy (TEM) of Radiation Sensitive
Supramolecular Architectures Strategies for a Comprehensive
Structure Characterization / Christoph Bttcher -- The Characterization
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Theoretical Methods for Supramolecular Chemistry / Barbara Kirchner,
Markus Reiher -- Index

Sommario/riassunto

The second edition of "Analytical Methods in Supramolecular Chemistry" comes in two volumes and covers a broad range of modern methods and techniques now used for investigating supramolecular systems, e. g. NMR spectroscopy, mass spectrometry, extraction methods, crystallography, single molecule spectroscopy, electrochemistry, and many more. In this second edition, tutorial inserts have been introduced, making the book also suitable as supplementary reading for courses on supramolecular chemistry. All chapters have been revised and updated and four new chapters have been added
