

1.	Record Nr.	UNISA990006074350203316
	Autore	FERRUCCI, franco
	Titolo	Addio al Parnaso / Franco Ferrucci
	Pubbl/distr/stampa	Milano : Bompiani, 1971
	Descrizione fisica	198 p. ; 22 cm
	Collana	Nuovi saggi italiani ; 7
	Disciplina	850.9
	Soggetti	Letteratura italiana - Sec. 19. - 20
	Collocazione	XV.9.M. 1098
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910780046303321
	Titolo	Calixarenes 2001 [[electronic resource] /] / edited by Zouhair Asfari ... [et al.]
	Pubbl/distr/stampa	New York, : Kluwer Academic, c2001
	ISBN	1-280-20009-X 9786610200092 0-306-47522-7
	Edizione	[1st ed. 2001.]
	Descrizione fisica	1 online resource (694 p.)
	Altri autori (Persone)	AsfariZ (Zouhair)
	Disciplina	547.632
	Soggetti	Calixarenes Supramolecular chemistry
	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	Synthesis of Calixarenes and Thiacalixarenes -- Chemical Modification

of Calix[4]arenes and Resorcarenes -- Selectively Modified Calix[5]arenes -- Selective Modifications of Calix[6]arenes -- Chemistry of Larger Calix[n]arenes (n=7, 8, 9) -- Thia-, Mercapto-, and Thiamercapto-Calix[4]arenes -- Double- and Multi-Calixarenes -- Self-Assembly in Solution -- Cavitands -- Carcerands -- Homocalixarenes -- Homooxa- and Homoaza-Calixarenes -- Heterocalixarenes -- Oxidation and Reduction of Aromatic Rings -- Conformations and Stereodynamics -- Dynamic Structures of Host-Guest Systems -- Molecular Dynamics of Cation Complexation and Extraction -- Quantum Chemical Calculations on Alkali Metal Complexes -- Thermodynamics of Calixarene-Ion Interactions -- Crown Ethers Derived from Calix[4]arenes -- Metal-Ion Complexation by Narrow Rim Carbonyl Derivatives -- Phase Transfer Extraction of Heavy Metals -- Calixarene-Based Anion Receptors -- Water-Soluble Calixarenes -- Recognition of Neutral Molecules -- Complexation of Fullerenes -- Calixarenes in Bioorganic and Biomimetic Chemistry -- Coordination Chemistry and Catalysis -- Metal Reactivity on Oxo Surfaces Modeled by Calix[4]arenes -- Phenoxide Complexes of f-Elements -- Luminescent Probes -- Turning Ionophores into Chromo- and Fluoro-Ionophores -- Mono- and Multi-Layers -- Sensor Applications -- Calixarenes for Nuclear Waste Treatment -- Calixarenes as Stationary Phases.

Sommario/riassunto

Calixarene chemistry, at the turn of the millennium, is a field approaching true maturity. In many areas, applications are real and important, and the arsenal of structures based on calixarenes provides tools effective in numerous areas of supramolecular chemistry. In this book, chapters contributed by a broad spectrum of international authors provide a variety of perspectives upon the progress and future of calixarene chemistry. Issues covered in depth include: Calixarene synthesis, with all its subtleties and sophistication. Forces at play in the inclusion of neutral and charged molecules by calixarenes. Theoretical analyses of calixarene properties. Dynamics and thermodynamics of calixarenes and their complexes. Nanocomposite construction based on calixarene aggregates. Calixarenes on surfaces. Analytical applications of calixarenes. Catalysis by calixarenes and their complexes. Resource recovery and waste treatment with calixarenes. New directions in calixarene chemistry. Hetero- and homo-calixarenes. Bioactive calixarenes. Coordination chemistry of calixarenes. Calixarenes in the solid state.
