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Nota di contenuto	Preface. 1. Introduction. 1.1. Simple ring compounds. 1.2. Three dimensional aliphatic carbon structures. 1.3. Annulenes. 1.4. Multi-ring aromatic structures. 1.5. Porphyrins and phthalocanines. 1.6. Conclusions. References. 2. Cyclophanes. 2.1. Introduction to cyclophanes. 2.2. Cyclophanes with one aromatic system and aliphatic chain. 2.3. Cyclophanes with more than 1 aromatic ring. 2.4. Naphthalenophanes and other aromatic systems. 2.5. Cyclophanes containing heteroaromatic systems. 2.6. Ferrocenophanes. References. 3. Crown ethers, cryptands and other compounds. 3.1. Introduction. 3.2. Crown ethers. 3.3. Simple complexes with crown ethers. 3.4. Azacrowns, cyclens and cyclams. 3.5. Crowns containing other heteroatoms. 3.6. Lariat and bibracchial crown ethers. 3.7. Cryptands. 3.8. Spherands. 3.9. Combined and multiple systems. 3.10. Applications of crown ethers and related compounds. 3.11. Conclusions. References. 4. Calixarenes. 4.1. Introduction to calixarenes. 4.2. History of the calixarenes. 4.3. Structures of calixarenes. 4.4. Chemical modification of calixarenes. 4.5. Complexes with calixarenes. 4.6. Bis- and multicalixarenes. 4.7. Oxacalixarenes,

azacalixarenes and thiacalixarenes. 4.8. Resorcinarenes - synthesis and structure. 4.9. Cavitands and carcerands. 4.10. Uses of calixarenes and conclusions. References. 5. Heterocalixarenes and calixnaphthalenes. 5.1. Introduction to heterocalixarenes and calixnaphthalenes. 5.2. Calixnaphthalenes. 5.3. Tropolone based macrocycles. 5.4. Calixfurans. 5.5. Calixpyrroles. 5.6. Calixindoles, calixpyridines and calixthiophenes. 5.7. Conclusions. References. 6. Cyclodextrins. 6.1. Introduction to cyclodextrins. 6.2. Complex formation by cyclodextrins. 6.3. Cyclodextrins of other sizes. 6.4. Modification reactions of cyclodextrins. 6.5. Selectivity of cyclodextrins. 6.6. Multiple cyclodextrin systems. 6.7. Polymeric cyclodextrins. 6.8. Cyclodextrins combined with other macrocyclic systems. 6.9. Therapeutic uses of cyclodextrins. 6.10. Other uses of cyclodextrins. 6.11. Conclusions. References. 7. Cyclotrimeratrylenes and cryptophanes. 7.1. Introduction to cyclotrimeratrylenes and cryptophanes. 7.2. Synthesis of cyclotrimeratrylenes. 7.3. Modification of cyclotrimeratrylenes. 7.4. Synthesis of optically active cyclotrimeratrylenes. 7.5. Modification of the bridging groups. 7.6. Modification of the aromatic rings with organometallic groups. 7.7. Selective binding applications of cyclotrimeratrylenes. 7.8. Analogues of CTV. 7.9. Cryptophanes - synthesis and structure. 7.10. Cryptophanes - chemical modification. 7.11. Complexes with cryptophanes. 7.12. Cryptophane/Xenon complexes. 7.13. Other uses of cryptophanes. 7.14. Hemicryptophanes. 7.15. Conclusions. References. 8. Cucurbiturils. 8.1. Introduction to cucurbiturils. 8.2. Complexation behaviour of simple cucurbiturils. 8.3. Modification of cucurbiturils. 8.4. Uses of cucurbiturils. 8.5. Hemicucurbiturils. 8.6. Conclusions. References. 9. Rotaxanes and catenanes. 9.1. Introduction to rotaxanes and catenanes. 9.2. Rotaxanes. 9.3. Rotaxanes as molecular machines. 9.4. Thin films of rotaxanes. 9.5. Polyrotaxanes. 9.6. Catenanes. 9.7. Switchable catenanes. 9.8. Catenanes on surfaces. 9.9. Polycatenanes and catenated polymers. 9.10. Natural catenanes. 9.11. Conclusions. References. 10. Other supermolecular systems, molecular motors, machines and nanotechnological applications. 10.1. Introduction. 10.2. Other molecular systems. 10.3. Molecular devices, motors and machines. 10.4. Conclusions. References.

Sommario/riassunto

Providing an essential introduction on this important class of molecules which underpin nanotechnology, this book describes how they can be used as nanotechnology building blocks, and their applications.

2. Record Nr.	UNINA9911048028603321
Autore	Carroll Jennifer J
Titolo	Narkomania : Drugs, HIV, and Citizenship in Ukraine
Pubbl/distr/stampa	Brighton : , : Academic Studies Press, , 2019 ©2024
ISBN	979-88-87196-48-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (251 pages)
Collana	Ukrainian-Language Open Access Series
Disciplina	616.86/0609477
Soggetti	Harm reduction Drug addiction
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Livello bibliografico	Monografia
Sommario/riassunto	Jennifer J. Carroll's book 'Narkomania: Drugs, HIV, and Citizenship in Ukraine' explores the complex intersections of drug use, public health, and citizenship in Ukraine. The author examines harm reduction and substitution therapy programs, highlighting the stigmatization and challenges faced by drug users. Through personal narratives and empirical research conducted from 2010 to 2014, the book sheds light on the societal and political discourse surrounding drug use, especially during pivotal events like Euromaidan and the annexation of Crimea. Carroll aims to humanize those affected, presenting them as ordinary individuals navigating a landscape marked by geopolitical struggles and health reforms. The book targets academics, policymakers, and those interested in public health and social justice, offering insights into Ukraine's evolving health policies amidst ongoing conflict.