1. Record Nr. UNINA990001862500403321

Autore	Ghisleni, Pier Luigi
Titolo	Considerazioni su alcuni procedimenti tecnici, frequenti nella floricoltura industriale / Pier Luigi Ghisleni
Pubbl/distr/stampa	Torino : [s.n.], 1962
Descrizione fisica	42 p. ; 24 cm
Collana	Raccolta di memorie / Università degli studi di Torino. Facoltà di scienze agrarie ; 344
Disciplina	635.9
Locazione	FAGBC
Collocazione	60 MISC. B 131/344
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Estr. da: Annali dell'Accademia di Agricoltura di Torino, 1961-62.

2. Record Nr. UNINA9910139028003321

Titolo	Organic nanomaterials : synthesis, characterization, and device applications / / edited by Tomas Torres, Giovanni Bottari
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2013
ISBN	1-118-35437-0 1-118-35435-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (627 p.)
Classificazione	SCI013040
Altri autori (Persone)	TorresTomas BottariGiovanni
Disciplina	620.1/17
Soggetti	Organic compounds - Synthesis Nanostructured materials
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	ORGANIC NANOMATERIALS; CONTENTS; PREFACE; CONTRIBUTORS; 1 A PROPOSED TAXONOMY AND CLASSIFICATION STRATEGY FOR WELL-DEFINED, SOFT-MATTER NANOSCALE BUILDING BLOCKS; 1.1 INTRODUCTION; 1.2 ADAPTATION OF LINNAEAN TAXONOMY PRINCIPLES TO A NEW NANO-CLASSIFICATION SCHEME; 1.2.1 Taxonomy of Biological Structures and Organisms; 1.2.2 Protein Taxonomies; 1.2.3 Virus Taxonomies; 1.3 HOW DOES NATURE TRANSFER STRUCTURAL INFORMATION FROM A LOWER HIERARCHICAL LEVEL TO HIGHER COMPLEXITY? 1.4 THE USE OF CLADOGRAMS FOR CLASSIFICATIONS OF WELL-DEFINED BIOLOGICAL (MICRON SCALE/MACROSCALE), ATOMIC (PICOSCALE), AND NANOSCALE BUILDING BLOCKS1.4.1 Taxonomy of Biological Entities; 1.4.2 Taxonomy of Atomic Elements; 1.4.3 In Quest of a Taxonomy for Nonbiological Nanoscale Structures and Assemblies; 1.5 HEURISTIC MAGIC NUMBER MIMICRY AT THE SUBATOMIC, ATOMIC, AND NANOSCALE LEVELS; 1.5.1 Heuristic Atom Mimicry of Dendrimers: Nano-Level Core-Shell Analogues of Atoms; 1.6 ELEMENT CATEGORIES AND THEIR HYBRIDIZATION INTO NANO-COMPOUNDS AND NANO-ASSEMBLIES 1.6.1 A Brief Overview of Nano-classifications (Taxonomies)1.7 A NANO-PERIODIC SYSTEM FOR DEFINING AND UNIFYING NANOSCIENCE;

1.7.1 Bottom-Up Synthetic Strategies to Soft Nano-element Categories; 1.8 CHEMICAL BOND FORMATION/VALENCY AND STOICHIOMETRIC BINDING RATIOS WITH DENDRIMERS TO FORM NANO-COMPOUNDS; 1.8.1 Dendrimer-Dendrimer [S-1:(S-1)n] Core-Shell-Type Nano-compounds; 1.8.2 A Quest for Synthetic Mimicry of Biological Quasi-equivalence with [S-1]-Type Amphiphilic Dendrons
1.8.3 Tobacco Mosaic Virus: Compelling Example of a Supramolecular Core-Shell-Type Nano-compound Exhibiting Well-Defined Stoichiometry: Self-Assembly of Protein Subunits [S-4] around a [S-6] ssRNA Core to Produce [S-6:(S-4)2130]; 1.8.4 First Nano-periodic Tables for Predicting Amphiphilic Dendron Self-Assembly to Supramolecular Dendrimers Based on the Critical Nanoscale Design Parameters; 1.9 PROPOSED LINNAEAN-TYPE TAXONOMY FOR SOFT-MATTER-TYPE NANO-ELEMENT CATEGORIES, THEIR COMPOUNDS AND ASSEMBLIES; 1.9.1 A Proposed Dendron/Dendrimer Shorthand Nomenclature
1.9.2 Classification of [S-1:(S-1)n]-Type Nano-compounds Derived from Dendrimer/ Dendron [S-1]-Type Nano-element Categories1.9.3 Classification of Nano-compounds (i.e., Viruses) Derived from Proteins [S-4] or Viral Capsids [S-5] and DNA/RNA [S-6]-Type Nano-element Categories; 1.10 CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCES; 2 ON THE ROLE OF HYDROGEN-BONDING IN THE NANOSCALE ORGANIZATION OF -CONJUGATED MATERIALS; 2.1 INTRODUCTION; 2.2 H-BONDING ALONG THE STACKING POLYMER AXIS; 2.2.1 Influence on the nano- and mesoscopic organization; 2.2.2 Influence on Photophysical Properties
2.2.3 Hole and Electron Transport

Sommario/riassunto

"This book offers comprehensive and up-to-date coverage of functional organic nanomaterials. Chapters present the views of leading experts on how organic nanomaterials can be synthesized and prepared, analyzed and characterized, studied, organized at the nanoscale, and incorporated into devices for real-world applications. Due to the interdisciplinary nature of organic nanomaterials, the book appeals to those involved in chemistry, physics, materials science, polymer science, and (chemical and material) engineering. Topics include conducting hybrid materials, biomaterials, carbon nanotubes, photovoltaics, dye-sensitized solar cells (DSCs), lithographic techniques, bioassays, sensors, and nanomedicine"--