

1. Record Nr.	UNINA9910137852203321
Titolo	Supramolecular soft matter [[electronic resource] ] : applications in materials and organic electronics // edited by Takashi Nakanishi
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2011
ISBN	1-283-25786-6 9786613257864 1-118-09532-4 1-118-09533-2 1-118-09531-6
Descrizione fisica	1 online resource (516 p.)
Classificazione	SCI013040
Altri autori (Persone)	NakanishiTakashi
Disciplina	541.226 541/.226
Soggetti	Supramolecular electrochemistry Molecular structure Molecular biology
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	section 1. Supramolecular objects towards multi-task organic materials -- section 2. Stimuli responsive dye organized soft materials -- section 3. Dimension controlled organic frameworks -- section 4. Recent trends of organic radical materials -- section 5. Organogels and polymer assembly -- section 6. Supramolecular liquid crystals -- section 7. Supramolecular composites based on carbon nanotubes -- section 8. Optoelectronics based on supramolecular assemblies -- section 9. Future perspective in supramolecular soft materials.
Sommario/riassunto	"This book covers molecular design and synthesis, as well as the development of smart molecular assemblies, for organic electronic systems. It identifies concepts that hold promise for successful development of organic/polymeric electronics with real-world applications. Unlike other books, this is not simply a compilation of current trends in supramolecular soft matter. The chapters, written by leading researchers, help readers understand and manipulate the electronic properties of supramolecular soft materials for use in organic

electronic devices, such as photovoltaics and field effect transistors, some of the most desired materials for energy conservation"--  
"This book covers molecular design and synthesis, as well as the development of smart molecular assemblies, for organic electronic systems"--

---