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Altri autori (Persone)	CeroniPaola CrediA (Alberto) VenturiM (Margherita)
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on Fullerenes and Carbon Nanotubes; 10. Functional Electroactive Biomolecules; 11. Functional Nanoparticles as Catalysts and Sensors; 12. Biohybrid Electrochemical Devices; 13. Electroactive Rotaxanes and Catenanes; 14. Electrochemically Driven Molecular Machines Based on Transition-metal Complexed Catenanes and Rotaxanes; 15. Electroactive Molecules and Supramolecules for Information Processing and Storage
16. Electrochemiluminescent Systems as Devices and Sensors17. Recent Developments in the Design of Dye-Sensitized Solar Cell Components; Index

Sommario/riassunto

With contributions from the most prominent experts around the world, this resource provides an accessible summary of electrochemical techniques and the applications of electrochemical concepts to molecular-level systems. It describes the most important electro-active functional supramolecular systems developed so far, including rotaxanes and catenanes as molecular machines and as elements for information processing; dendrimers as molecular batteries, sensors, light harvesting antennae, and drug delivery systems; and bio-hybrid devices