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Autore	Gagnon, Alain G.
Titolo	Advanced introduction to federalism / Alain G. Gagnon, Arjun Tremblay
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Nota di contenuto	Title page; Copyright page; CONTENTS; PREFACE; CONTRIBUTORS; CHAPTER 1: Physics of Self-Assembly of Lyotropic Liquid Crystals; CHAPTER 2: Rheological Theory and Simulation of Surfactant Nematic Liquid Crystals; CHAPTER 3: Dividing Planes of Hexagonal HII Mesophase; CHAPTER 4: Nanocharacterization of Lyotropic Liquid Crystalline Systems; CHAPTER 5: Self-Assembly in Lipidic Particles; CHAPTER 6: Hierarchically Organized Systems Based on Liquid Crystalline Phases; CHAPTER 7: Synthesis and Alignment of Nanostructured Materials Using Liquid Crystals CHAPTER 8: Recent Developments in Lyotropic Liquid Crystals as Drug Delivery VehiclesCHAPTER 9: Stimuli-Responsive Lipid-Based Self-Assembled Systems; CHAPTER 10: Nonlamellar Lipid Liquid Crystalline

Structures at Interfaces; CHAPTER 11: Multicompartment Lipid Nanocarriers for Targeting of Cells Expressing Brain Receptors; INDEX

Sommario/riassunto

This book will describe fundamentals and recent developments in the area of Self-Assembled Supramolecular Architecture and their relevance to the understanding of the functionality of membranes as delivery systems for active ingredients. As the hierarchical architectures determine their performance capabilities, attention will be paid to theoretical and design aspects related to the construction of lyotropic liquid crystals: mesophases such as lamellar, hexagonal, cubic, sponge phase micellosomes. The book will bring to the reader mechanistic aspects, compositional considerations, transition