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Nota di contenuto	Frontmatter -- Preface / Tadros, Tharwat -- Contents -- 1. Introduction -- 2. Origin of charge at interfaces and structure of the electrical double layer -- 3. Electrokinetic phenomena and zeta potential -- 4. Double layer repulsion -- 5. Van der Waals attraction -- 6. Theory of colloid stability -- 7. Flocculation of colloidal dispersions -- 8. Association colloids -- 9. Adsorption of surfactants at the liquid/liquid interface -- 10. Adsorption of surfactants at the solid/liquid interface -- 11. Polymers and polymeric surfactants and their association -- 12. Adsorption and conformation of polymeric surfactants at interfaces -- 13. Steric stabilization -- 14. Flocculation of sterically stabilized dispersions -- Index
Sommario/riassunto	Volume 1 of the Handbook of Colloid and Interface Science is a survey of the theory of colloids in a variety of fields, as well as their characterization by rheology. It is an ideal reference work for research scientists, universities, and industry practitioners looking for a complete understanding of how colloids and interfaces behave.