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Nota di contenuto	Front Cover; Contents; Preface; Author; Chapter 1: Introduction; Chapter 2: Colloidal Particles: Shapes and Size Distributions; Chapter 3: Some Thermodynamic Principles and Relations, with Special Attention to Interfaces; Chapter 4: Water; Chapter 5: Interfacial Tension; Curvature and Capillarity; Monolayers at Fluid Interfaces; Chapter 8: Wetting of Solid Surfaces; Chapter 9: Electrochemistry of Interfaces; Chapter 10: Electrokinetic Phenomena; Chapter 11: Self-Assembly of Amphiphilic Molecules; Chapter 12: Polymers; Proteins; Chapter 14: Adsorption Chapter 15: Adsorption of (Bio) Polymers, with Special Emphasis on Globular Proteins Chapter 16: Stability of Lyophobic Colloids against Aggregation; Chapter 17: Rheology, with Special Attention to Dispersions and Interfaces; Chapter 18: Emulsions and Foams; Chapter 19: Physicochemical Properties of Biological Membranes; Chapter 20: Bioadhesion; Appendix: Solutions to Exercises; Back Cover

Sommario/riassunto

Each chapter includes Exercises and Suggestions for Further Reading
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Colloid and Interface Science in a Historical Perspective
Classification of Colloidal Systems Colloidal Particles: Shapes and Size Distributions
Shapes Particle Size Distributions Average Molar Mass Specific Surface Area
Some Thermodynamic Principles and Relations, with Special Attention to Interfaces
Energy, Work, and Heat: The First Law of Thermodynamics The Second Law of Thermodynamics:
Entropy Reversible Processes: Definition of Intensive Variables
Introduction o
