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Descrizione fisica	1 online resource (1042 p.)
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Nota di bibliografia	Includes bibliographical references (pages 935-975) and index.
Nota di contenuto	1. Introduction -- 2. Chemical Thermodynamics and Kinetics -- 3. Acids and Bases -- 4. Dissolved Carbon Dioxide -- 5. Atmosphere - Water Interactions -- 6. Metal Ions in Aqueous Solution: Aspects of Coordination Chemistry -- 7. Precipitation and Dissolution -- 8. Oxidation and Reduction; Equilibria and Microbial Mediation -- 9. The Solid-Solution Interface -- 10. Trace Metals: Cycling, Regulation, and Biological Role -- 11. Kinetics of Redox Processes -- 12. Photochemical Processes -- 13. Kinetics at the Solid-Water Interface: Adsorption, Dissolution of Minerals, Nucleation, and Crystal Growth -- 14. Particle-Particle Interaction: Colloids, Coagulation, and Filtration -- 15. Regulation of the Chemical Composition of Natural Waters -- Appendices: Thermodynamic Data.
Sommario/riassunto	The authoritative introduction to natural water chemistry THIRD EDITION Now in its updated and expanded Third Edition, Aquatic Chemistry remains the classic resource on the essential concepts of natural water chemistry. Designed for both self-study and classroom use, this book builds a solid foundation in the general principles of natural water chemistry and then proceeds to a thorough treatment of more advanced topics. Key principles are illustrated with a wide range

of quantitative models, examples, and problem-solving methods. Major subjects covered include:<sup>\*</sup> Chemical Therapy

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