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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	SURFACE COMPLEXATION MODELING GIBBSITE; CONTENTS; FOREWORD; PREFACE; 1 ALUMINUM OXIDES AND HYDROXIDES UNDER ENVIRONMENTAL CONDITIONS; 2 FORMATION AND PROPERTIES OF GIBBSITE AND CLOSELY RELATED MINERALS; 3 TYPES OF AVAILABLE DATA; 4 DATA COMPILATION AND TREATMENT METHODS; 5 SURFACE PROPERTIES OF GIBBSITE; 6 CATION SORPTION ON GIBBSITE; 7 ANION SORPTION ON GIBBSITE; 8 COHERENCE AND EXTRAPOLATION OF THE RESULTS; REFERENCES; APPENDIX A: SUMMARY OF EXPERIMENTAL DETAILS; AUTHOR INDEX; SUBJECT INDEX
Sommario/riassunto	This book provides a description of the generalized two layer surface complexation model, data treatment procedures, and thermodynamic constants for sorption of metal cations and anions on gibbsite, the most common form of aluminum oxide found in nature and one of the most abundant minerals in soils, sediments, and natural waters. The

book provides a synopsis of aluminum oxide forms and a clearly defined nomenclature. Compilations of available data for sorption of metal cations and anions on gibbsite are presented, and the results of surface complexation model fitting of these data are given.