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Titolo	Chemistry of variable charge soils // edited by T.R. Yu with the assistance of G.L. Ji and other members of the staff of the Department of Soil Electrochemistry, Institute of Soil Science, Chinese Academy of Sciences
Pubbl/distr/stampa	Oxford, [England] ; ; New York, New York : , : Oxford University Press, , 1997 ©1997
ISBN	0-19-756084-9 1-280-45134-3 9786610451340 0-19-535703-5 1-60256-051-X
Descrizione fisica	1 online resource (518 p.)
Collana	Topics in Sustainable Agronomy
Disciplina	631.4/1
Soggetti	Variable charge soils
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Contents; Chapter 1 Introduction; Chapter 2 Surface Charge; Chapter 3 Electrostatic Adsorption of Cations; Chapter 4 Electrostatic Adsorption of Anions; Chapter 5 Specific Adsorption of Cations; Chapter 6 Coordination Adsorption of Anions; Chapter 7 Electrokinetic Properties; Chapter 8 Electric Conductance; Chapter 9 Ion Diffusion; Chapter 10 Reactions with Hydrogen Ions; Chapter 11 Acidity; Chapter 12 Lime Potential; Chapter 13 Oxidation-Reduction Reactions; Chapter 14 Ferrous Ions and Manganous Ions; Index
Sommario/riassunto	Based on research carried out at the Academia Sinica over the past 30 years, this book explains the basic difference between the variable charge soils of tropical and subtropical regions, and the constant charge soils of temperate regions. It focuses on the chemical properties of the variable charge soils - properties which have important bearing on soil management practices - including maximizing soil productivity

and negating soil pollution.

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