Record Nr. UNINA9910451091903321 Autore Fry Christopher H. Titolo Ion-selective electrodes for biological systems / / Christopher H. Fry and Stephen E.M. Langley Amsterdam:,: Harwood Academic Publishers,, 2001 Pubbl/distr/stampa **ISBN** 0-429-17556-6 1-4822-9846-5 1-280-24248-5 9786610242481 0-203-30474-8 Descrizione fisica 1 online resource (157 p.) Altri autori (Persone) LangleyStephen E. M Disciplina 541.3724 Soggetti Electrodes, Ion selective Biological systems Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto BOOK COVER; HALF-TITLE; TITLE; COPYRIGHT; TABLE OF CONTENTS; PREFACE: 1. ESSENTIAL PHYSICAL CHEMISTRY OF SOLUTIONS: 2. ELECTROCHEMICAL CELLS; 3. PRINCIPLES OF ION-SELECTIVE ELECTRODES; 4. MANUFACTURE OF DIP-CAST ION-SELECTIVE ELECTRODES; 5. ION-SELECTIVE MICRO-ELECTRODES; 6. CALIBRATION OF ION-SELECTIVE ELECTRODES: 7. THE PRESENTATION OF DATA OBTAINED WITH ION-SELECTIVE ELECTRODES; 8. INSTRUMENTATION; APPENDIX 1; APPENDIX 2; APPENDIX 3; APPENDIX 4; APPENDIX 5; APPENDIX 6; APPENDIX 7; INDEX Sommario/riassunto Ion -Selective Electrodes for Biological Systems provides a user-friendly and practical guide to the manufacture and use of ion-selective electrodes for a wide variety of experimental systems used in biology. The book is aimed at researchers with little practical experience in the field and will direct them through the steps involved in making electrodes, interpretation of the data, requirements of the recording

apparatus, potential pitfalls involved in their use, and the range of situations in which they can be used. This is the first book that deals