Record Nr. UNINA9910790013903321 Testing tribocorrosion of passivating materials supporting research and **Titolo** industrial innovation: handbook // edited by J.-P. Celis & P. Ponthiaux Pubbl/distr/stampa Boca Raton:,: CRC Press,, 2012 **ISBN** 1-351-54693-7 1-5231-2062-2 1-351-54694-5 1-315-08738-3 1-907975-21-7 Descrizione fisica 1 online resource (216 p.) Collana European Federation of Corrosion publications, , 1354-5116; ; no. 62 338/.064 Disciplina 620.11223 658.57 Soggetti Tribology Chemistry, Technical Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia The Institute of Materials, Minerals and Mining"--Cover. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Half title page; Contents; European Federation of Corrosion (EFC) publications: Series introduction; Volumes in the EFC series; List of Symbols; 0 Introduction; 1 Phenomena of tribocorrosion in medical andindustrial sectors; 2 Depassivation and repassivation phenomena: synergism in tribocorrosion; 3 Specific testing techniques in tribology: laboratorytechniques for evaluating friction, wear, and lubrication; 4 Specific testing techniques in tribology and corrosion: Electrochemical techniques for studyingtribocorrosion processes in situ 5 Design of a tribocorrosion experiment on passivating surfaces: Modelling the coupling of tribologyand corrosion6 Towards a standard test for the determination of synergism in tribocorrosion: Design of a protocolfor passivating materials; 7 Towards a standard test for the determination of synergism in tribocorrosion: Detailed testing procedure for passivating materials; 8 Normative approach; Index Sommario/riassunto This book is intended primarily for industrial laboratories and technical centres interested in standardised tests in the field of tribology and