1. Record Nr. UNICASRML0305164

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| Autore | Langer, Vera Isabella |
| Titolo | Declamatio Romanorum : Dokument juristischer Argumentationstechnik, Fenster in die Gesellschaft ihrer Zeit, und Quelle des Rechts? / Vera Isabella Langer |
| Pubbl/distr/stampa | Frankfurt am Main [etc.], : Peter Lang, 2007 |
| Descrizione fisica | 338 p. ; 21 cm |
| Disciplina | 808.0471 |
| Soggetti | Retorica latina |
| Lingua di pubblicazione | Tedesco |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |

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| Autore | Castiri Vai. Cu |
| Titolo | Corrosion prevention and protection : practical solutions / / V. S. Sastri, Edward Ghali, Mimoun Elboujdaini |
| Pubbl/distr/stampa | Chichester, England ; ; Hoboken, NJ, : Wiley, c2007 |
| ISBN | 9786610739516<br>9780470024546<br>0470024542<br>9781280739514<br>1280739517<br>9780470024034<br>0470024038 |
| Descrizione fisica | 1 online resource (579 p.) |
| Altri autori (Persone) | GhaliEdward<br>ElboujdainiMimoun |
| Disciplina | 620.1/1223 |
| Soggetti | Corrosion and anti-corrosives |
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| Livello bibliografico | Monografia |

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| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Corrosion Prevention and Protection; Content; Preface; Acknowledgments; PART I 1; 1 Introduction and Principles of Corrosion; 1.1 Impact of Corrosion; 1.2 Preliminary Aspects of Thermodynamics and Kinetics; 1.3 Nature of Corrosion Reactions; 1.3.1 Electrochemical Cells; 1.3.2 Standard Electrode Potentials; 1.3.3 Pourbaix Diagrams; 1.3.4 Dynamic Electrochemical Processes; 1.3.5 Concentration Polarization; 1.4 Oxidation and High-temperature Corrosion; 1.4.1 Oxidation of Alloys; 1.5 Corrosion Prevention; 1.6 Design Factors; 1.7 Life Prediction Analysis of Materials; 1.8 Corrosion Protection<br>1.8.1 Corrosion Inhibitors1.8.2 Protective Coatings; 1.8.3 Cathodic Protection; 1.8.4 Impressed Current Protection; 1.8.5 Anodic Protection; References; 2 Corrosion Testing, Detection, Monitoring and Failure Analysis; 2.1 Corrosion Testing; 2.1.1 Testing for Environmentally Assisted Cracking (EAC); 2.1.2 Atmospheric Corrosion Testing; 2.1.3 Galvanic Corrosion Testing; 2.1.4 Testing of Polymeric Materials; 2.1.5 Corrosion Testing of Refractories and Ceramic Materials; 2.1.6 Testing of Corrosion Inhibitors; 2.2 Corrosion Detection and Monitoring; 2.2.1 Visual Examination; 2.2.2 Laser Methods<br>2.2.3 Replication Microscopy2.2.4 Radiographic Methods; 2.2.5 Liquid Penetrant Testing Method; 2.2.6 Magnetic Particle Testing; 2.2.7 Eddy Current Inspection Method; 2.2.8 Ultrasonic Inspection Method; 2.2.9 Acoustic Emission Technique; 2.2.10 Other Nondestructive Methods; 2.2.11 Thermal Methods of Inspection; 2.3 Failure Analysis; 2.3.1 Visual or Macroscopic Examination; 2.3.2 Metallography; 2.3.3 Microfractography; 2.3.4 Fracture Mechanics in Failure Analysis; 2.3.5 Determinaton of Residual Stress by X-ray Diffraction; 2.3.6 Mechanical Properties; 2.3.7 Corrosion and Wear-related Failures<br>2.3.8 Failure Analysis of Polymeric Materials2.3.9 Failure Analysis of Ceramic Materials; References; 3 Regulations, Specifications and Safety; 3.1 Regulations and Specifications; 3.2 Safety Considerations; 3.2.1 Safety in the Corrosion Laboratory; 3.2.2 General Outline for a Model Chemical Hygiene Plan; 3.2.3 Safety Guidelines for Radiation Sources; 3.2.4 Nonionizing Radiation Sources; 3.2.5 Safety at the Design Stage; 3.2.6 Safety in Field Plant Inspection; 3.2.7 Safety in Storage and Transport; References; 4 Materials: Metals, Alloys, Steels and Plastics; 4.1 Cast Irons<br>4.2 Carbon and Low-alloy Steels4.2.1 Corrosion of Carbon Steels in Fresh Waters; 4.2.2 Corrosion of Carbon Steels in Seawater; 4.2.3 Corrosion of Carbon Steels in Soils; 4.3 Stainless Steels; 4.3.1 Duplex Stainless Steels; 4.3.2 Martensitic Stainless Steels; 4.4 Aluminum and Aluminum Alloys; 4.4.1 Corrosion Behavior of Aluminum and its Alloys; 4.5 Copper and Copper Alloys; 4.5.1 Atmospheric Corrosion; 4.5.2 Soil Corrosion; 4.5.3 General Corrosion in Aqueous Media; 4.5.4 Pitting Corrosion; 4.5.5 Dealloying; 4.5.6 Flow-induced Corrosion; 4.5.7 Behavior in Chemical Environments; 4.5.8 Biofouling<br>4.5.9 Stress-Corrosion Cracking |
| Sommario/riassunto | Corrosion Prevention and Protection: Practical Solutions presents a functional approach to the various forms of corrosion, such as uniform corrosion, pitting corrosion, crevice corrosion, galvanic corrosion, stress corrosion, hydrogen-induced damage, sulphide stress cracking, erosion-corrosion, and corrosion fatigue in various industrial environments. The book is split into two parts. The first, consisting of five chapters:Introduction and Principles (Fundamentals) of |