

Volume 13
Corrosion

1. Corrosion of Specific Alloy Systems

- Corrosion of Carbon Steels
- Corrosion of Alloy Steels
- Corrosion of Stainless Steels
- Corrosion of Cast Irons
- Corrosion of Cast Steels
- Corrosion of Aluminum and Aluminum Alloys
- Corrosion of Copper and Copper Alloys
- Corrosion of Nickel-Base Alloys
- Corrosion of Cobalt-Base Alloys
- Corrosion of Titanium and Titanium Alloys
- Corrosion of Zirconium and Hafnium
- Corrosion of Niobium and Niobium Alloys
- Corrosion of Tantalum
- Corrosion of Magnesium and Magnesium Alloys
- Corrosion of Zinc
- Corrosion of Tin and Tin Alloys
- Corrosion of Lead and Lead Alloys
- Corrosion of the Noble Metals
- Corrosion of Beryllium
- Corrosion of Uranium and Uranium Alloys
- Corrosion of Powder Metallurgy Materials
- Corrosion of Cemented Carbides
- Corrosion of Metal Matrix Composites
- Corrosion of Amorphous Metals
- Corrosion of Electroplated Hard Chromium
- Corrosion of Brazed Joints
- Corrosion of Clad Metals

2. Corrosion in Specific Industries and Environments

- Marine Corrosion
 - Corrosion in the Nuclear Power Industry
 - Corrosion in Fossil Fuel Power Plants
 - Corrosion in the Automotive Industry
 - Corrosion in the Aircraft Industry

Corrosion in the Aerospace Industry
Corrosion in the Electronics Industry
Case Histories and Failures of Electronics and Communications
Equipment
Corrosion in Telephone Cable Plants
Corrosion in the Chemical Processing Industry
Corrosion in the Pulp and Paper Industry
Corrosion in the Brewery Industry
Corrosion in the Pharmaceutical Industry
Corrosion in Petroleum Production Operations
Corrosion in Petroleum Refining and Petrochemical Operations
Corrosion of Pipelines
Corrosion in the Mineral Industry
Corrosion in Structures
Corrosion of Metal Processing Equipment
Corrosion in Batteries and Fuel-Cell Power Sources
Corrosion of Metallic Implants and Prosthetic Devices
Tarnish and Corrosion of Dental Alloys
Corrosion of Emission-Control Equipment