

1. Record Nr.	UNINA9910814739403321
Autore	Chawla Sohan L
Titolo	Materials selection for corrosion control [[electronic resource] /] / Sohan L. Chawla and Rajeshwar K. Gupta ; acquisitions editor, Mary Thomas Haddad ; production project manager, Suzanne E. Hampson ; production/design, Randall L. Boring
Pubbl/distr/stampa	Materials Park, Ohio, : ASM International, c1993
ISBN	1-61503-728-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (522 p.)
Altri autori (Persone)	GuptaRajeshwar K HaddadMary Thomas HampsonSuzanne E BoringRandall L
Disciplina	620.1/1223
Soggetti	Corrosion resistant materials Corrosion and anti-corrosives
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Dedication""; ""Preface""; ""Acknowledgements""; ""Contents""; ""Section I: CORROSION""; ""Chapter 1: Introduction""; ""Chapter 2: Oxidation of Metals""; ""Chapter 3: Electrochemical Principles""; ""Chapter 4: Factors Influencing Corrosion and Its Forms""; ""Chapter 5: Passivity""; ""Chapter 6: Corrosion Monitoring and Inspection""; ""Section II: FERROUS ALLOYS""; ""Chapter 7: Plain Carbon Steel""; ""Chapter 8: Cast Iron""; ""Chapter 9: High- Strength Low- Alloy Sfeel""; ""Chapter 10: Stainless Steel Types""; ""Chapter 11: Selection of Stainless Steels"" ""SECTION III: NONFERROUS METALS AND ALLOYS""""Chapter 12: Aluminum and Its Alloys""; ""Chapter 13: Copper and Its Alloys""; ""Chapter 14: Lead and Its Alloys""; ""Chapter 15: Magnesium and Its Alloys""; ""Chapter 16: Nickel and Nickel Alloys""; ""Chapter 17: Special- Purpose Metals and Alloys""; ""Chapter 18: Titanium and Its Alloys""; ""Chapter 19: Zinc and Its Alloys""; ""SECTION IV: NON- METALLIC MATERIALS""; ""Chapter 20: Polymeric Materials""; ""Chapter 21: Ceramic Materials""; ""Chapter 22: Carbon and Graphite""; ""Chapter 23:

Composites"; ""SECTION V: CORROSION CONTROL MEASURES""  
""Chapter 24: Cathodic and Anodic Protection""""Chapter 25: Corrosion  
Inhibitors"; ""Chapter 26: Protective Coatings"; ""Chapter 27: Lining  
and Cladding"; ""Chapter 28: Surface Modification"; ""SECTION VI:  
SELECTION OF MATERIALS"; ""Chapter 29: Techno- Economic Selection  
of Materials"; ""Chapter 30: Computer- Assisted Materials Selection";  
""Index""

---