

1. Record Nr.	UNINA9910965452603321
Titolo	Corrosion of aluminum and aluminum alloys // edited by J.R. Davis
Pubbl/distr/stampa	Materials Park, OH, : ASM International, 1999
ISBN	1-62708-299-9 1-5231-0210-1 1-61503-238-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (313 p.)
Altri autori (Persone)	DavisJ. R (Joseph R.)
Disciplina	620.1/8623
Soggetti	Aluminum - Corrosion Aluminum alloys - Corrosion 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.
Nota di contenuto	""Preface""; ""Contents""; ""Chapter 1 Introduction""; ""Chapter 2 Understanding the Corrosion Behavior of Aluminum""; ""Chapter 3 Pitting and Crevice Corrosion""; ""Chapter 4 Intergranular and Exfoliation Corrosion""; ""Chapter 5 Galvanic, Deposition, and Stray-Current Corrosion""; ""Chapter 6 Erosion, Cavitation, Impingement, and Fretting Corrosion""; ""Chapter 7 Environmentally Assisted Cracking""; ""Chapter 8 Types of Corrosive Environments""; ""Chapter 9 Corrosion of Welded, Brazed, Soldered, and Adhesive-Bonded Joints""; ""Chapter 10 Corrosion of Aluminum Metal- Matrix Composites"" ""Chapter 11 Corrosion Prevention Methods"" ""Chapter 12 Corrosion Testing""; ""Appendix 1 Compositions""; ""Appendix 2 Compositions of Cast Aluminum and Aluminum Alloys""; ""Appendix 3 Temper Designations for Aluminum and Aluminum Alloys""; ""Alloy Index""; ""Subiect Index""
Sommario/riassunto	Corrosion fatigue of critical aircraft components such as aluminum alloy landing gear parts can result in catastrophe. On a less vital scale, the packaging industry can tolerate only minute amounts of pitting corrosion in beverage cans. Such examples of the diverse problems associated with corrosion

