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| Pubbl/distr/stampa | Cambridge, U.K. ; ; Philadelphia, Pa., : Woodhead Pub., 2012 |
| ISBN | 0-85709-580-3 |
| Descrizione fisica | 1 online resource (421 p.) |
| Collana | Woodhead Publishing in materials |
| Altri autori (Persone) | SajiViswanathan S CookRonald |
| Disciplina | 620.115 |
| Soggetti | Corrosion resistant materials Nanostructured materials - Corrosion Electronic books. |
| 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 | pt. 1. Corrosion behaviour and manufacture of nanocrystalline materials -- pt. 2. The use of nanomaterials in corrosion control. |
| Sommario/riassunto | Corrosion is an expensive and potentially dangerous problem in many industries. The potential application of different nanostructured materials in corrosion protection, prevention and control is a subject of increasing interest. Corrosion protection and control using nanomaterials explores the potential use of nanotechnology in corrosion control. The book is divided into two parts. Part one looks at the fundamentals of corrosion behaviour and the manufacture of nanocrystalline materials. Chapters discuss the impact of nanotechnology in reducing corrosion cost, and investigate the influe |