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Titolo	Corrosion and materials selection : a guide for petroleum and chemical industries // Alireza Bahadori
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Descrizione fisica	1 online resource (573 p.)
Disciplina	660/.28304
Soggetti	Petroleum refineries - Materials - Corrosion Petroleum pipelines - 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 and index.
Nota di contenuto	Fundamentals of corrosion in the oil, gas, and chemical industries -- Corrosion problems in petroleum and chemical industries -- Corrosion consideration in materials selection -- Materials of engineering -- Chemical control of corrosive environments -- Requirements for corrosion control of petroleum and petrochemical industries -- Corrosion inhibitors in refineries and petrochemical plants -- Corrosion inhibitor evaluations -- Compatibility in material selection -- Surface preparation, protection, and maintainability -- Fabrication and choice of material to minimize corrosion damage -- Heat treatment.
Sommario/riassunto	This book provides a minimum requirement for consideration when designing systems in order to prevent or control corrosion damage economically and safely in petroleum and chemical industries. It considers various forms of corrosion and prevention methods, including the control of corrosive environments by inhibitors and the monitoring of internal corrosion. Included in the scope are: Corrosion problems in the oil, gas and chemical industries; Corrosion Monitoring including use of corrosion monitoring

