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Soggetti	Filters and filtration
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	Cover; Contents; Preface; About the Author; Chapter 1. An Introduction to Liquid Filtration; Introduction; The Porous Media; The Filter Media; Liquid Filtration Classification; The Formation of Filter Cake; Typical Industrial Filtration Conditions; Washing and Dewatering Operations; General Considerations for Process Engineers; The Objectives of Filtration; Preparation Stages for Filtration; Equipment Selection Methodology; Nomenclature; Chapter 2. Filter Media and Use of Filter Aids; Introduction; Flexible Filter Media; Rigid Filter Media; Filter Media Selection Criteria Introduction to the Use of Filter AidsExamples of Filter Aids; Filter Aid Selection; Suggested Readings; Nomenclature; Chapter 3. Cake Filtration and Filter Media Filtration; Introduction; Dynamics of Cake Filtration; Constant-Rate Filtration; Variable-Rate and-Pressure Filtration; Constant-Pressure and-Rate Filtration; Filter-Medium Filtration Formulas; Constant-Pressure-Drop Filtration; Filtration Mechanisms; Constant Rate Filtration; Suggested Readings; Nomenclature; Chapter 4. Industrial Filtration Equipment; Introduction; Rotary Drum Filters; Cocurrent Filters; Cross Mode Filters Cartridge FiltersDiaphragm Filters; High Pressure, Thin Cake Filters; Thickeners; Solids Washing; Centrifugal Filtration; Screw Presses; Ultrafiltration; Reverse Osmosis; Closure; Chapter 5. Application of Filtration to Wastewater Treatment; Introduction; Granular Media Filtration; Bed Regeneration; Flocculation Filtration; Slow Sand

Filtration; Rapid Sand Filtration; Chemical Mixing, Flocculation, and Solids Contact Processes; Suggested Readings; Chapter 6. Advanced Membrane Technology for Wastewater Treatment; Introduction; Overview of Technology Case Study; Case Study Specifics Technology ApplicationMechanisms of Membrane Separations; Treatment of Hazardous Wastes; Features of the Hyperfiltration System; Process Economics; Detailed Process and Technology Description; Summary of Case Study Analytical Results; Closure; Chapter 7. Sludge Dewatering Operations; Introduction; Overview of Dewatering Technologies; Use of Drying Beds; Use of Vacuum Filtration; Use of Pressure Filtration; Use of Centrifugation; Alternative Mechanical Dewatering Techniques; Suggested Readings; Chapter 8. Industrial Wastewater Sources; Introduction; Paper and Allied Products Industry Wastes

Dairy Products Industry WastesTextile Industry Wastes; Pharmaceutical Industry Wastes; Leather Tanning and Finishing Industry Wastes; Petroleum Refining Industry Wastes; Food and Meat Packing Industry Wastes; Beverages Industry Wastes; Plastics and Synthetic Materials Industry Wastes; Blast Furnaces, Steel Works, and Rolling and Finishing Wastes; Organic Chemicals Industry Wastes; Metal Finishing Industry Wastes; Closure; Suggested Readings; Chapter 9. Filtration Equipment and Process Flow Sheets; Introduction; Index to Equipment and Flow Sheet Diagrams; Index

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#### Sommario/riassunto

This book is a state-of-the-art review of liquid filtration in the chemical process and allied industries. Interpretations of the phenomenological observations of the hydrodynamics of filtration are given in the hopes of establishing more theoretical and generalized bases of design methodology. Specific design and selection criteria are reviewed, and typical industrial problems and their solutions are presented.Nicholas Cheremisinoff is known internationally as one of the foremost engineers with Exxon and as the author of numerous books, articles and periodical contributions. Most rec

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2. Record Nr.	UNINA9911018639603321
Titolo	Monetary policy report / / Norges Bank
Pubbl/distr/stampa	Oslo, Norway, : Norges Bank, 2007-
ISSN	1504-8497
Descrizione fisica	1 online resource
Collana	Reports from the Central Bank of Norway
Soggetti	Inflation (Finance) - Norway Monetary policy - Norway Economic indicators - Norway Economic history Economic indicators Inflation (Finance) Monetary policy Geldpolitik Zentralbank Inflation Wirtschaftslage Norwegen Inflation - Norvège Politique monétaire - Norvège Indicateurs économiques - Norvège Periodicals. Norway Economic conditions 1945- Periodicals Norway Norvège Conditions économiques 1945- Périodiques
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