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Titolo	Modelling of the Microfiltration Process // edited by Zhan Wang
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Nota di contenuto	1. Basic Concepts -- 2. Constant Pressure Mode -- 3. Constant Flux Mode -- 4. Hydraulic Cleaning -- 5. Backwashing -- 6. Chemical Cleaning -- 7. Other Cleaning Methods.
Sommario/riassunto	This book presents the editor's recently proposed mathematical models for flux prediction in membrane filtration. It also provides typical mathematical models used in the development of membrane fouling control and explains the step-by-step derivation of these models. The book then highlights how these mathematical models provide insights into the mechanisms of membrane fouling and cleaning to allow for a better understanding of the complete membrane filtration process. Given its scope, this book appeals to a broad readership, particularly professionals at universities as well as engineers engaged in membrane separation in an industrial process.