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Sommario/riassunto	The recent development of microfluidics has lead to the concept of lab-on-a-chip, where several functional blocks are combined into a single device that can perform complex manipulations and characterizations on the microscopic fluid sample. However, integration of multiple functionalities on a single device can be complicated. This a cutting-edge resource focuses on the crucial aspects of integration in microfluidic systems. It serves as a one-stop guide to designing microfluidic systems that are highly integrated and scalable. This practical book covers a wide range of critical topics, from.