Microsystem Engineering of Lab-on-a-Chip Devices

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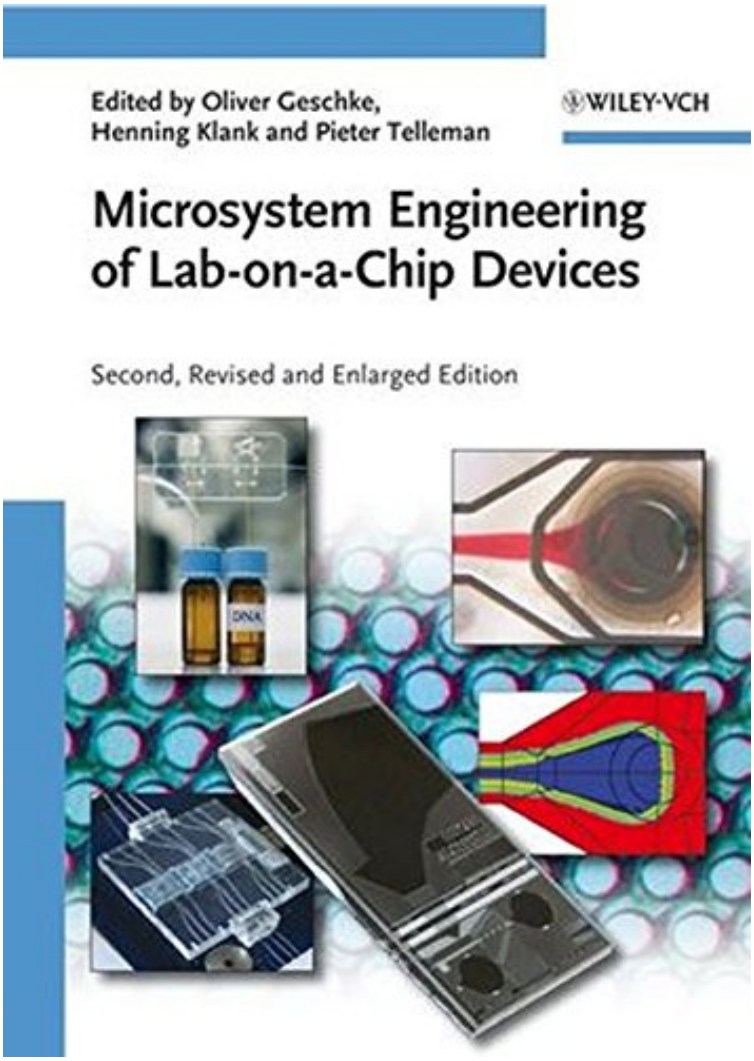

#4596175 in Books Wiley-VCH 2008-06-09Original language:EnglishPDF # 1 9.70 x .80 x 6.90l, 1.55 #File Name: 3527319425297 pages | File size: 34.Mb

From Brand: Wiley-VCH : Microsystem Engineering of Lab-on-a-Chip Devices before purchasing it in order to gage whether or not it would be worth my time, and all praised Microsystem Engineering of Lab-on-a-Chip Devices:

0 of 0 people found the following review helpful. Compact, PracticalBy CustomerThis book was the best of three textbooks I bought to learn microfluidics. It flows coherently from from principles to components, simulations, processing and packaging. It's short and easy to get through, but consequently a bit skimpy on coverage. For instance, there is no discussion of surface plasmon resonance (SPR), "the fundamentals behind many color based biosensor applications and different lab-on-a-chip sensors" as Wikipedia puts it. Overall, though, the mix of physics and engineering makes it a good starting book in the subject.

Edited by an interdisciplinary team of scientists at one of the leading centers for microsystem research, this second edition retains the proven structure of its predecessor, enlarged by around 10%. Focusing on analytical applications mainly in life sciences, this is an invaluable companion for fast and automated analytical procedures, providing a concise practical approach to microtechnology.

."... a good introductory text in the developing area of lab-on-a-chip... " ("Clinical Chemistry," December 2004)" ... a good introductory text in the developing area of lab-on-a-chip ... " (Clinical Chemistry, December 2004)."..a good introductory text in the developing area of lab-on-a-chip..." ("Clinical Chemistry", December 2004)From the Back CoverEdited by an interdisciplinary team of scientists at one of the leading centers for microsystems research, this second edition retains the proven structure of its predecessor, enlarged by around 10%. Focusing on analytical applications mainly in life sciences, this is an invaluable companion for fast and automated analytical procedures, providing a concise pract8cal approach to microtechnology.About the AuthorOliver Geschke became Assistant Professor at the MIC at the Technical University of Denmark in 2001. Besides his scientific publishing he is also involved in teaching both in national and international courses. Henning Klanks field of interest is focused on the fabrication of plastic microsystems using infrared lasers, particle image velocimetry and designing electronic measurement and procesing equipment for bio/chemical microsystems. Pieter Telleman became Group Leader of the Bio/Chemical MicroSystems in 1998, where he was appointed professor in 2001. In 2003 he became center director at MIC. His focus is on the application of nano- and microtechnology to chemistry and life sciences.