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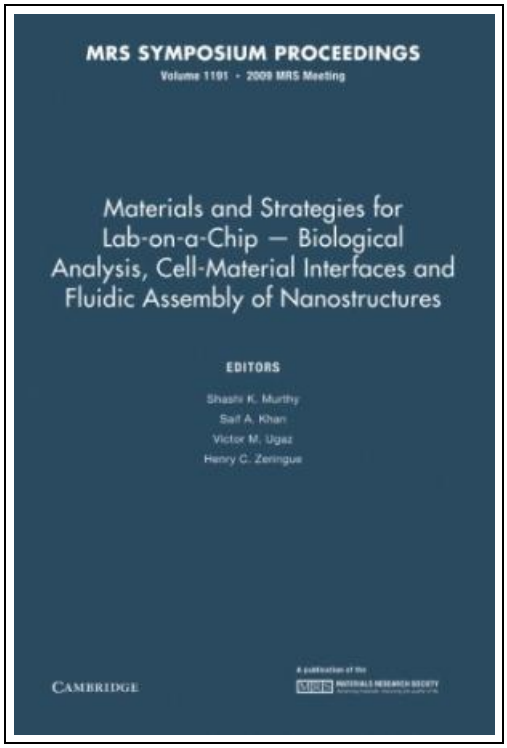

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Reviews

It in one of my personal favorite publication. Indeed, it is actually perform, still an amazing and interesting literature. Its been printed in an exceptionally easy way which is merely soon after i finished reading this book where really altered me, change the way i believe. ***(Neal Homenick IV)***

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CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2014. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The development of miniaturized systems for chemical and biochemical analysis has grown to the point where lab-on-a-chip devices are now important enabling tools in a diverse array of application areas. As the size of these systems continues to shrink, details of the micro- and nanoscale phenomena associated with their construction and operation must be considered. This book focuses on materials and engineering aspects of lab-on-a-chip devices and the application of microfluidics to materials synthesis. A microfabricated fluidic system integrating biological sample treatment and detection on a single chip offers the promise of low-cost, rapid and high-performance analysis. These devices can perform high-throughput biochemical assays for drug discovery and provide portability for point-of-care diagnostics and biothreat monitoring. Topics include: frontiers in lab-on-a-chip research; materials for lab-on-a-chip; materials synthesis on chip; cell manipulation and biomimetics on chip; porous materials in lab-on-a-chip; sensing and detection on chip - molecular level; sensing and detecting on chip - cells and particles; and sensing and detection on chip - DNA.

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