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Autore	Nancy, Jean-Luc
Titolo	All'ascolto / Jean-Luc Nancy ; cur. Enrica Lisciani Petrini
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Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

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Autore	Zhang Yafei
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Pubbl/distr/stampa	Berlin ; ; New York, : Springer Shanghai, : Shanghai Jiao Tong University Press, c2013
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Altri autori (Persone)	ChenDa
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Propagation of Acoustic Wave in Crystals -- The Theory of FBAR -- The Sputtering Deposition and Etching of AlN Film -- The Membrane Structured FBAR -- Solidly Mounted Acoustic Resonator --

The Application of FBAR in RF Filters -- The FBAR Excited by Lateral Filed -- High Sensitive Sensors Based on FBAR.

Sommario/riassunto

Multilayer Integrated Film Bulk Acoustic Resonators mainly introduces the theory, design, fabrication technology and application of a recently developed new type of device, multilayer integrated film bulk acoustic resonators, at the micro and nano scale involving microelectronic devices, integrated circuits, optical devices, sensors and actuators, acoustic resonators, micro-nano manufacturing, multilayer integration, device theory and design principles, etc. These devices can work at very high frequencies by using the newly developed theory, design, and fabrication technology of nano and micro devices. Readers in fields of IC, electronic devices, sensors, materials, and films etc. will benefit from this book by learning the detailed fundamentals and potential applications of these advanced devices. Prof. Yafei Zhang is the director of the Ministry of Education's Key Laboratory for Thin Films and Microfabrication Technology, PRC; Dr. Da Chen was a PhD student in Prof. Yafei Zhang's research group.