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Nota di contenuto	1: Air stability for organic light-emitting diodes (Katsuyuki Morii) -- 2: Hybrid organic-inorganic light-emitting diode (Katsuyuki Morii) -- 3: Interfacial engineering by introducing an interlayer (Hirohiko Fukagawa) -- 4: Carrier Injection Mechanism (Hirohiko Fukagawa).
Sommario/riassunto	This concise volume provides an introduction to the working principles, design, and construction of air-stable inverted organic light-emitting diodes (OLEDs), leading to the realization of practical flexible organic optoelectronics for displays and lighting. The first part of the book considers the requirements for air stability of OLED devices, the challenges involved in achieving air stability and the history of approaches to the problem. It goes on to describe hybrid organic-inorganic LEDs and their carrier injection mechanism, and summarises

the early phase of inverted OLED development. The third part focuses on the electron injection layer and interfacial engineering, and finally the book describes the inverted OLED and the carrier injection mechanism in recently-developed devices. The book will be of interest to students and researchers working on practical organic optoelectronics.
