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Sommario/riassunto	Comprehensive explorations of the electronic structure of amorphous oxide semiconductors, structural randomness, doping limits, and defects. In-depth examinations of thin film transistors (TFTs), including the trade-off relationship between mobility and reliability in oxide. TFTs Perfect for practicing scientists, engineers, and device technologists working with transparent semiconductor systems, Amorphous Oxide Semiconductors: Materials and Device Applications will also earn a place in the libraries of students studying oxides and other non-classical and innovative semiconductor devices"--